OPW
FUEL MANAGEMENT SYSTEMS

AFC®

Automated Fueling Control

Administrator Software Manual

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Effective September 1, 2002

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Software Installation

System Requirements

Processor	Pentium 233 or better
Available Hard Drive Space	50 MB minimum
System RAM	64 MB minimum
Operating System	Windows 98, Windows NT4 (with Service Pack 3), Windows 2000 (Service Pack 2) or Windows XP (Service Pack 1).
CD-ROM drive	Required
Video/Display	800 X 600 pixels at 256 colors minimum.
Ports	Serial port - Printer/PC adapter Parallel port and customer-supplied printer required for printing reports. Supplied serial cable is for 9-pin serial port. User must supply cable for 25-pin serial port.
Printer	OPTIONAL, required for printing reports. Ink-jet (minimum), laser preferred.

Installation Procedure

Installing the software is fast and easy. In the unlikely event you experience a problem:

- Stop immediately and write down any error messages that appear.
- Note which step of the installation you were performing when the problem occurred.

This will help you isolate and correct the problem.

Step-By-Step Installation

1. FIRST, determine if the PC meets minimum requirements listed above.
2. Close all applications currently running in Windows.
3. Insert the *AFC Administrator* CD in the CD-ROM of the PC.
4. The CD should AUTORUN and begin the installation. Otherwise, click **Start** > **Run**, and type D:SETUP.EXE (If D is not your designated CD drive letter replace with current drive letter) Press **ENTER** to begin the installation.

- The installation program extracts the installation files from the CD - several windows will appear during this process and a status bar will indicate the percentage of the process that is complete.

5. Follow the prompts until you are prompted to restart.
6. After rebooting (if prompted), the AFC Administrator software is ready to run.
7. Run the AFC Administrator program. Click **Start** > **Programs** > **AFC Administrator**, and then **AFC Administrator**.

Software Overview

Logging Into AFC Administrator Software

You are prompted for user ID and password (*Figure 1*) each time you run the AFC administrator software.

Default user ID and password are both “AFC”. *Change the user ID and password after logging into the application*.

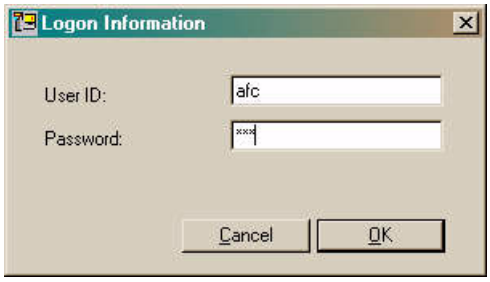


Figure 1: Logon Information Form

Changing the Password

1. At the main window, click **Utilities** > **Set UserID/Password** to open the form in *Figure 2*.

Figure 2: New User ID Form

2. Enter a new user ID in the **User ID** box.
3. Enter a new password in the **New Password** box.
4. Enter the new password again in the **Confirm New Password** box.
5. Click **OK** to save the new user ID and password.

- *If you enter "nopassword" in the User ID, New Password, and Confirm Password boxes, you will be not prompted for a password when you run the program.*

Main Window - The Big Picture

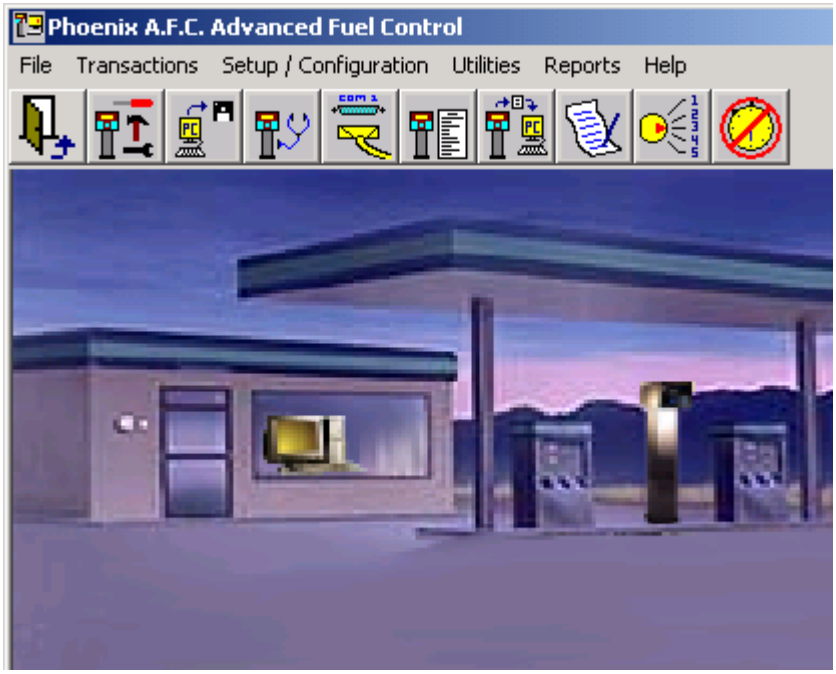


Figure 3: Main Window

The Main Window (*Figure 3*) lets you select which AFC Administrator task to perform.

Choose a selection by clicking on the appropriate icon or by using the pull-down menus. If you are unfamiliar with the icons, position (without clicking) the cursor over a particular icon and a small message appears, describing the icon. Each icon is described next.

Exit

This button exits the AFC Administrator program. Either click the EXIT icon, or **File** > **Exit**, to close the program.

AFC Configuration

Lets you configure system settings like user prompts, vehicles, drivers, fueltypes, fueling positions, departments and vehicle classes. Either click the AFC CONFIGURATION icon or select **Setup/Configuration** > **AFC** to configure the system.

Export Transactions (& View)

Lets you export and/or view transactions that have been downloaded. Either click on the EXPORT TRANSACTIONS icon or select **Transactions** > **View/Export** to view and/or export transactions.

Network Diagnostics

Lets you view data transmission activity between various AFC system components. Network Diagnostics is a system tool for diagnosing communication glitches between AFC devices (AFC, Printer / PC Adapter, journal printer, receipt printer, remote communications adapter and AFC slave units). Either click the NETWORK DIAGNOSTICS icon or select **Utilities** > **Network Diagnostics** to monitor network transmission activity.

Configure Sites

Lets you configure sites by selecting profiles and assigning an available COM/modem port into which to connect the Printer/PC Adapter. This utility automatically detects PC COM ports that are not currently used by Windows or a Windows-based program. Either click CONFIGURE SITES icon or select **Setup/Configuration** > **Sites** to configure the sites.

Reports

Lets you generate fuel usage report by vehicle number, driver number and department. Simply supply a date range to create and display a report. You can also send the report to a printer as needed. Either click the REPORTS icon or select **Reports** to view / print reports.

Download Transactions

Lets you download fuel transactions stored in the AFC. Connect the Printer/PC Adapter to the PC through a COM port, then connect the AFC to the Printer/PC Adapter. Either click the DOWNLOAD TRANSACTIONS icon or select **Transactions** > **Download**.

Activity Log

Lets you view all AFC activity, including configuration changes, card/key activation, and fueling transactions. Use this log to track unauthorized use, verify programming changes, or to monitor fueling activity. Click the ACTIVITY LOG icon or select **Utilities** > **Activity Log** to view the activity log.

Site Selection

In multi-site setups, lets you move between the sites to configure communication parameters. *You must select a site before using the AFC configuration feature.* If no site is selected, you will get a warning message asking you to select a site.

Job Queue Enable or Disable

Enables or disables Job Queues. Click the JOB QUEUE ENABLE/DISABLE icon or select **Setup/Configuration** > **Enable Job Queues** or **Disable Job Queues.**

Site Configuration

The AFC communicates with a PC in one of two ways:

- PC connected directly to the Printer/PC Adapter (PPC) with a serial cable
- Via a telephone connection using a modem and the optional Remote Communication Adapter (RCA).

You must configure the AFC Administrator program accordingly (with the **Connection Type** pull-down, in the Site Configuration form, *Figure 4*)..

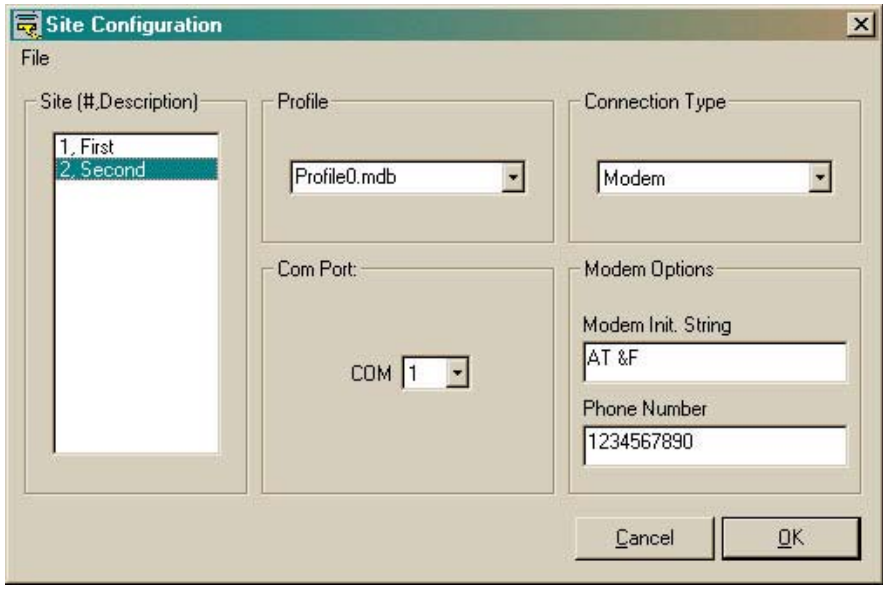


Figure 4: Site Configuration Window

Before beginning, familiarize yourself with the configuration options available. From the main AFC ADMINISTRATOR screen (the gas station), select **Configuration** > **Sites** for the Site Configuration form (*Figure 4*).

Profile

This is the programming profile set for the AFC. By default there is one profile, PROFILE0.MDB. A profile contains programming information found in the CARD / KEY, DEPARTMENT, DRIVER, VEHICLE and VEHICLE CLASS tabs of the AFC CONFIGURATION screen.

Most AFC installations (even with multiple AFC units) contain only one profile. *Do not use multiple profiles unless you have more than one AFC*

unit installed and wish to limit cards / keys, drivers or vehicles to a particular unit.

Note

*To use multiple profiles, select the correct profile **before** altering or transmitting the configuration. Altering or transmitting the wrong profile may permit fueling by unauthorized users or prevent fueling by authorized users.*

Select a different profile by clicking the down arrow next to the PROFILE window. To create a new profile, select **File** > **Add New Profile**.

Site

Identifies each AFC unit accessed with this software. By default there is one site, SITE1.MDB. SITE selection contains programming information specific to each individual unit -- FUEL TYPE, FUELING POSITION and GENERAL CONFIG show as tabs in the AFC Configuration screen, as well as communication method and port used to communicate with the AFC.

You can have multiple sites set up for one profile, or several profiles with one site each. If you have only one AFC unit, only one site is needed. *For multiple AFC units, each with different fuel types or positions, use multiple sites.*

Companies with multiple AFC units -- each with different fuel types and fueling positions -- and that want to limit certain vehicles and/or drivers to a particular site, should use both multiple profiles and sites.

Select a site from the list by clicking on it. This displays related communication settings in the Site Configuration form.

To create a new site, select **File** > **Add New Site**. Enter a site number and name in the Add New Site form, then click **Ok**. If the site number you entered already exists, you'll get an error message -- click **Ok** and try again.

To delete a site, click on a site, then select **File** > **Delete Selected Site**. You will be warned you are about to delete a site -- click YES to delete the site, or CANCEL if you do not wish to delete the site.

Connection Type

This is how the chosen profile and site connects to AFC. By default, the option is NOT CONNECTED. To select a different connection type, select

the site you wish to configure and click the down arrow next to the CONNECTION TYPE box. Click on the desired connection type from the pull-down list.

If you are using a serial cable, select DIRECT. If you are connecting via a modem and the optional Remote Communication Adapter, select MODEM.

Note

To use the modem option, you must have the optional Remote Communication Adapter installed on the AFC and a modem installed on the PC.

COM Port

This is the physical COM port the software uses to communicate with the AFC. After you choose a profile and site, this box displays the availability of up to 8 COM ports on the PC.

In some cases, even though the PC has an unused COM port, no ports will be shown as available. Sometimes this information is incorrect, and restarting Windows will correct the problem. For modem connections, choose the port the modem is connected to. For direct connection, choose the port the serial cable is plugged into on the back of the PC.

Modem Options

Available only if Connection Type is Modem. These items set up the modem initialization string and the phone number used to reach the AFC unit.

The **MODEM INIT STRING** are commands that initialize the modem before the AFC Administrator program attempts to dial out. In most cases, this should be left as AT& F, which is a command to reset the modem to factory defaults. To change, simply type in new commands.

The **PHONE NUMBER** box contains the phone number you dial to connect with the AFC at the site. This is the number of the phone line the Remote Communication Adapter is plugged into at the site -- NOT the number for the phone line your PC modem is connected to.

Remember to include all digits necessary to complete the call, including commands to disable call waiting or get an outside line. You do not need to insert dashes or parentheses in the phone number.

To insert a pause between dialing commands, use a comma to signal the modem to wait before continuing the dialing process. Add more commas for a longer wait time.

Three Configuration Examples

1. The call to the site is local and the phone number is (773) 555-5678. The phone number as entered in the PHONE NUMBER box would be:

   5555678

2. The call to the site is long distance, the phone number is (800) 555-1234 and the phone line your PC modem is connected to requires you to dial 9 to get an outside line. You must pause after the 9 for a second dial tone before dialing the actual phone number. The phone number as entered in the PHONE NUMBER box would be:

   9,,18005551234

3. The call to the site is local, the phone number is (773) 555-5678 and you must disable call waiting. The call waiting command for this example is *70 (this code may vary depending on area). You must pause after the *70 for a second dial tone before dialing the actual phone number. The phone number as entered in the PHONE NUMBER box would be:

   ***72,,5555678**

Note

*After changing any settings within the SITE CONFIGURATION screen, you must click **Ok** to save the settings.*

Hardware Connections

PC to Printer and PC Adapter With Serial Cable

If the PC is near the Printer/PC adapter and connected to it with a serial cable, the connection method is DIRECT connection.

To configure the PC to communicate via a DIRECT connection, do the following:

Find the Serial Port on the PC

Look on the back of the PC for an available serial port. These ports will have a 9-pin or 25-pin male connector and are typically labeled COM1, COM2, etc…, COM A, COM B, etc…, or 010101. If the ports are not numbered, choose the upper port.

Connect the Serial Cable

Connect the supplied 9-pin serial cable to the 9-pin male serial port on the back of the PC.

Caution

Turn off the PC before connecting or disconnecting the serial cable. This is especially important on laptop computers, as connecting a serial cable while the power is on can permanently damage them.

If the only available serial port on the PC has a 25-pin male connector, you must purchase a 25-pin female to 9-pin male serial cable adaptor.

Do NOT use a Laplink or Null-Modem cable -- these cables will not work.

DO NOT attempt to use the existing cable with a gender changer or adapter -- in most cases this does not work properly.

See *Figure 5*. Connect the other end of the cable to the Printer / PC Adapter port labeled PC (RS-232)

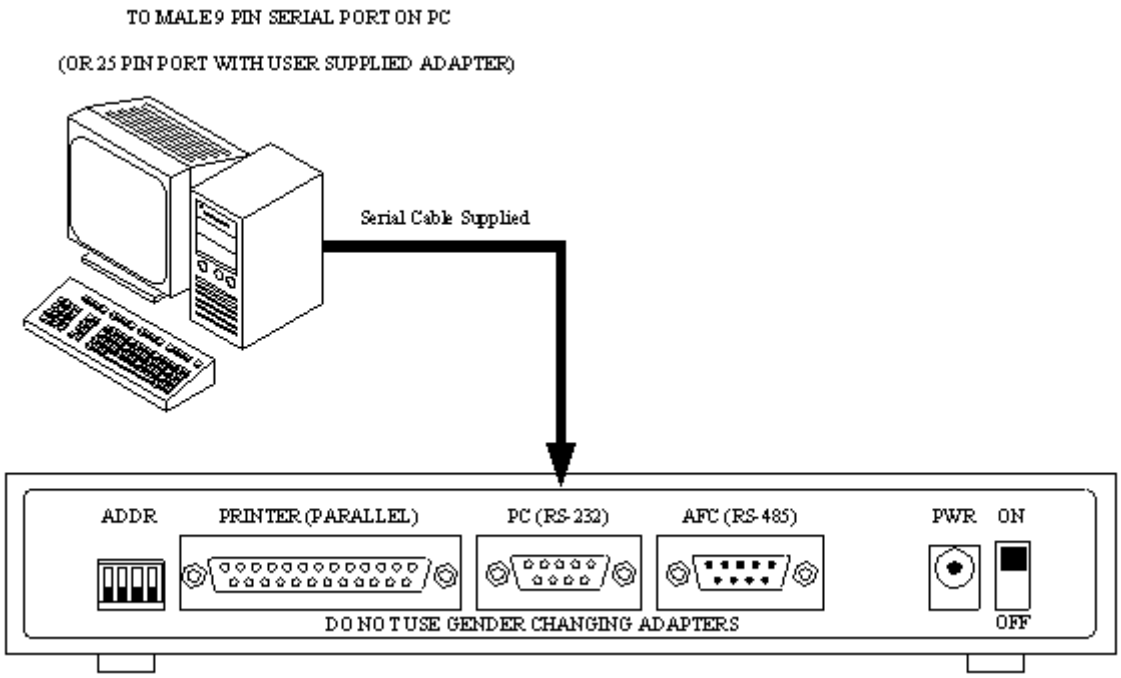


Figure 5: Attaching the PC to the Printer/PC Adaptor

Verify AFC-to-PPC Communication

Verify the AFC is communicating with the Printer / PC Adapter. The two indicators (*Figure 6*), marked AFC XMIT and PC RCV, should flash at a constant rate.

If you turn the AFC OFF, then ON again, a power-up message should print.

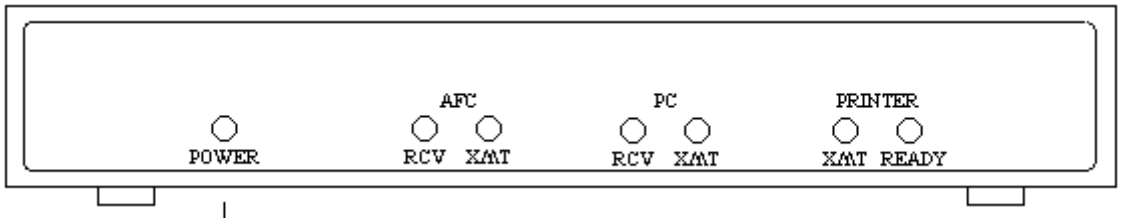


Figure 6: PPC Indicators

Install AFC Administrator Software

If you have not already done so, install the AFC Administrator software (*page 1*) .

After the PC reboots, click **Start** > **Programs** > **AFC Administrator** and click on the AFC ADMINISTRATOR listing. The default UserID and Password for the AFC Administrator software is AFC -- type in the UserID and Password to enter the program.

Configure the COM Port Settings

1. At the main AFC Administrator (Gas Station) screen, click **Configuration** > **Sites** to go to the Site Configuration screen.

- By default, the software creates one profile, PROFILE0.MDB, and one site, SITE1.MDB. If you are configuring a single AFC system, this profile and site are all that are needed. If you are installing an additional AFC, you may need to create additional sites and/or profiles.

2. Before adding a site or profile, see the explanation of sites and profiles on *page 7*. To add a site, select **File** > **Add New Site**. If you need to add a profile, select **File** > **Add New Profile**.
3. After choosing the correct site and profile, change the CONNECTION TYPE to DIRECT.
4. Select the correct COM port in the COM PORT listing and click **OK** to save your settings.

PC to Remote Communication Adapter Via a Modem

If the AFC is in a remote location and is accessed through a Remote Communication Adapter via modem, the connection method is MODEM. You must do the following:

Determine Modem's COM Port

1. In Windows, click **Start** > **Settings** > **Control Panel**.
2. In Control Panel, double-click on the MODEM icon.
3. Click on the DIAGNOSTIC tab and make note of all of the COM ports shown, especially the modem. Be sure to record the modem brand and name should you need to call technical support.

Install the Remote Communication Adapter

Follow the instructions in this manual on installing and wiring the Remote Communication Adapter.

Before connecting the phone line to the Remote Communication Adapter, connect the line to a standard telephone and verify the line is active.

Have someone dial into the phone from off-site to verify the phone number is correct.

Once you have verified the phone line is working and the phone number is correct, connect it to the Remote Communication Adapter.

Verify Remote Communication Adapter is ON

When the Remote Communication Adapter is first turned ON, the power light glows steadily and the other lights will blink randomly. Once the unit has reset and is idle, the POWER and DTR lights are on steady.

Connect the PC Modem to a Phone Line

Verify the modem connected to the PC is working properly and can dial out. HyperTerminal, a program included with Windows, is useful for testing the modem. If you are unsure how to test the modem, contact the modem manufacturer.

Configure the COM Port Settings

1. At the main AFC Administrator (the Gas Station) screen, select **Configuration** > **Sites** to go to the SITE CONFIGURATION form.

- By default, the AFC Administrator program creates one profile, PROFILE0.MDB, and one site, SITE1.MDB. If you are configuring a single AFC system, this profile and site are all that are needed. If you are installing an additional AFC, you may need to create an additional site and / or profile.

Before adding a site or profile, see the explanation of sites and profiles beginning on *page 7*. To add a site, select **File** > **Add New Site**. If you need to add a profile, select **File** > **Add New Profile**.

Once you have selected the correct site and profile, change the CONNECTION TYPE to MODEM and select the correct COM port in the COM PORT listing. Enter the phone number as described on *page 10*. Leave the MODEM INIT STRING set to ATZ.

Click Ok to save changes and go back to the main menu.

Testing the Connection to the AFC

Verify the PC can communicate with the AFC as follows:

1. From AFC Administrator main screen (gas station), select **Utilities > Select Site**. Click on the site from the list and click FINSHED. You may also click the SITE SELECTION (numbered knob) icon, click on a site from the list and click FINISHED.
2. Click **Utilities > Network Diagnostics** to bring up the AFC NETWORK DIAGNOSTIC UTILITY window (*Figure 7*).

- You may also click the NETWORK DIAGNOSTICS (AFC & stethoscope) icon to run the utility. If you are connecting to the AFC using a serial cable, the AFC NETWORK DIAGNOSTIC UTILITY window should appear almost immediately.

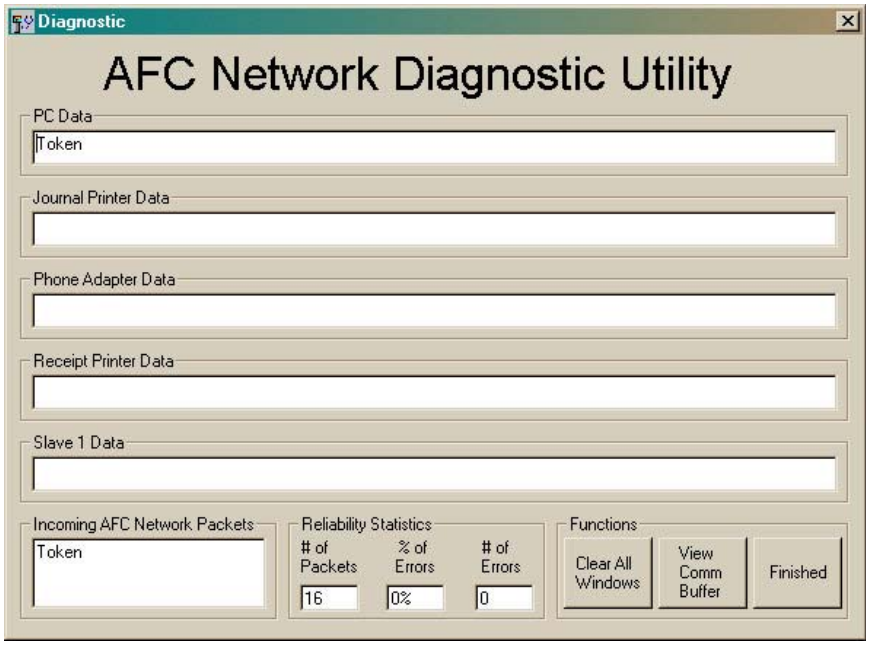


Figure 7: AFC Diagnostic form

- If you are connecting to the AFC via modem, a dialing window will appear. In the dialing window are several commands and the phone number. You should hear the modem go off-hook and dial, then three or four rings and then a series of squeals. Once the squeals stop, you'll see the AFC NETWORK DIAGNOSTIC UTILITY window (*Figure 7*).
- If everything is working correctly, you should see the word **TOKEN** in the INCOMING AFC NETWORK PACKETS box in the lower left corner of the AFC NETWORK DIAGNOSTIC UTILITY window. In the

RELIABILITY STATISTICS section, the value in # OF PACKETS should increase and % ERRORS and # OF ERRORS should remain at zero.

3. Click **Finished** to exit.

Troubleshooting The Connection

If you do not see network activity in the AFC NETWORK DIAGNOSTIC UTILITY window, you must determine the cause.

Direct Connection Symptoms

A dialing window comes up with a phone number of 1234

Wrong connection type is set up in the SITE CONFIGURATION screen. Verify CONNECTION TYPE is DIRECT.

The AFC NETWORK DIAGNOSTIC UTILITY window is displayed but there are no INCOMING AFC NETWORK PACKETS

Usually means there is no communication between the PC and the AFC.

- Verify the AFC XMIT and PC RCV lights are blinking on the Printer / PC Adapter.
- Check to be sure the cable between the PC and the Printer / PC Adapter is connected correctly. The cable used should either be the one provided, or a 25-pin cable purchased locally.
- There should be no gender changers or adapters used on this cable.

If the Printer / PC Adapter and cable check out, the wrong COM port may be selected in the SITE CONFIGURATION screen. Try selecting another COM port and run the AFC NETWORK DIAGNOSIC UTILITY again.

If there is still no communication with the AFC, you may want to confirm the COM ports are working correctly by using some sort of diagnostic utility and a loop-back connector. You may also want to install the software on another PC and connect it to the Printer / PC Adapter in place of the original PC.

The AFC XMIT and PC RCV lights on the Printer / PC Adapter are ON steady or glowing dimly and randomly flashing brighter

These is noise or interference coming in on the line between the AFC and the Printer / PC Adapter. These lights should be dark and periodically flash bright -- if they behave differently there is most likely a communication problem between the Printer / PC Adapter and the AFC.

Inspect the data wire -- make sure that Belden 8760 or an equivalent two-conductor shielded cable was used and that it is enclosed in a dedicated metal conduit from the pedestal to the building.

Verify the ends are terminated properly. If the lights still behave erratically, confirm that the outlets the PC and printer are plugged into are grounded properly and are on the same circuit.

Should these tips fail to eliminate the communication problem, substitute a known good Printer / PC Adapter.

Modem Connection Symptoms

Dialing window does not come up

Verify the CONNECTION TYPE is MODEM in the SITE CONFIGURATION screen. If the connection type is set to direct, the dialing window will not appear.

Modem does not dial

When the dialing window comes up you should see something like *Figure 8*

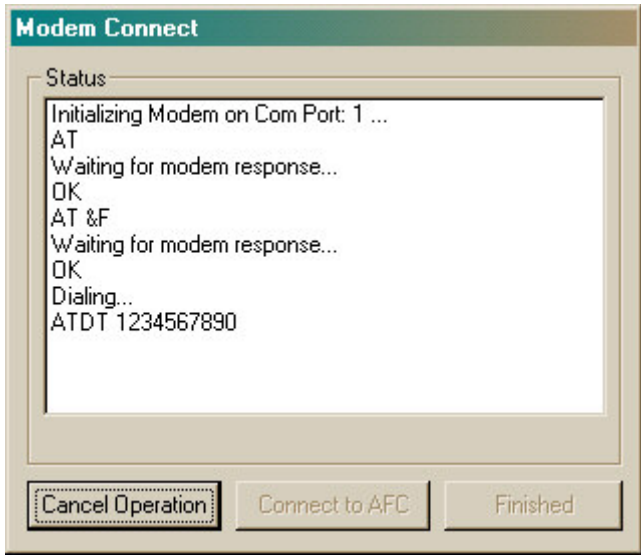


Figure 8: modem Dialing Window

If anything in *Figure 8* doesn't appear, the software may not be able to communicate with the modem properly. Verify there is no other COM port configured to share resources with the port the modem is set to. Under normal circumstances, COM1 and COM3 share resources, and COM2 and COM4 share resources and ports that share resources cannot be accessed at the same time.

The Message in *Figure 9* Appears

Figure 9: COMM Error Message

If a window pops up but contains the message **Communication Error (**like ***Figure 9*****), modem not responding, check Com port selection**, the modem is not responding to the dialing commands being sent by the AFC Administrator software.

External Modem -- Verify it's connected and ON. As the software talks to the modem, you should see lights on the modem, often labeled RXD and TXD, flash periodically. For all modems, verify the port you selected in the SITE CONFIGURATION screen is the modem.

Note

If using a WinModem or SoftModem modem, you may have problems using it with the AFC software. The AFC Administrator software talks directly to the COM port, and many of these types of modems do not allow you to communicate with them in this manner. Contact the modem manufacturer for assistance in configuring the modem to work properly.

Modem dials and "rings" locally, but the Remote Communication Adapter does not answer

You'll see **Connection Not Established**, indicating the modem is responding but could not establish a connection with the AFC.

1. Verify the phone line is plugged into the correct jack on the Remote Communication Adapter. It must be plugged into the jack labeled LINE.

- On the pedestal-mounted Remote Communication Adapter, the jack farthest from the power switch is the LINE jack. When the PC is dialing into the Remote Communication Adapter, the RING indicator on the Remote Communication Adapter should light for approximately one second every two seconds.

2. If the RING indicator does *not* flash, connect a telephone to the line installed for the Remote Communication Adapter and have someone call the site -- the phone should ring. If the phone does not ring, the circuit may be dead or the phone number you are dialing is incorrect.

3. Verify the phone number you are dialing is correct. If you have to dial 9 for an outside line, be sure this is included in the phone number entered in the SITE CONFIGURATION screen. If you have Caller ID, have someone connect a telephone to the phone line installed for the Remote Communication Adapter and call you. The phone number should be displayed on the Caller ID box.
4. If you have confirmed the phone number and the line functions normally, substitute the Remote Communication Adapter with a known good unit.

Modem dials and connects but there is no INCOMING AFC NETWORK PACKETS

This most often means there is no communication between the Remote Communication Adapter and the AFC.

1. Review the Remote Communication Adapter instructions and verify it is installed and connected correctly.

- When the PC has dialed in and connected to the Remote Communication Adapter and is attempting to communicate, the XMIT and RCV lights should blink periodically. If these lights are not blinking, the Remote Communication Adapter may not be communicating with the AFC.

2. Turn the AFC off and back on using the power switch. Wait approximately 30 seconds for the system to reset, and then verify the green SEND light on the CPU board is flashing. Turn the Remote Communication Adapter off and back on -- the power light will come on steady and the other lights will blink randomly. Once the unit has reset and is idle, the POWER and DTR lights are on steady.
3. Try dialing the site again. The RING indicator should flash each time the ring signal is present on the phone line. The Remote Communication Adapter should answer after three to four rings, and you should hear the Remote Communication Adapter negotiate the connection with the modem on the PC. If you do not hear anything, the Remote Communication Adapter may not be answering -- another device may be connected to the same phone line and answering first.
4. Finally, if everything checks out, substitute the Remote Communication Adapter with a known good unit.

“Could Not Determine Or Incompatible Firmware Version” Message

This message indicates either the EPROM in the AFC is not compatible with the software version on the PC, or that communication with the AFC was interrupted while the software was verifying the firmware version.

To find out what firmware revision you have, remove the cover from the AFC and locate the EPROM chip on the CPU board.

Turn AFC power OFF. Wait 60 seconds, then, while holding down any key on the keypad, turn the power back ON.

The firmware version will be displayed during the power-up test.

Configuring the AFC

Configuration Window

The AFC CONFIGURATION window has eight configuration forms, accessed by clicking one of the “tabs” at the top of the window. Many of these items can also be configured on-site using the administrator key and the quick-reference programming sheet.

Configuration forms are listed in the same order as the quick-reference sheet and the appropriate function codes are listed beside them.

Note

Changes made in the AFC Administrator software are not transmitted to the AFC automatically. You must click TRANSFER DATA and send the record, table(s) or updates to the AFC before they will take effect.

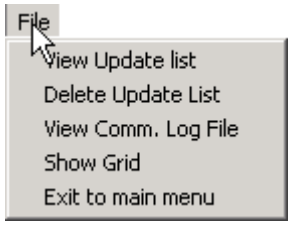
Many of the configuration tabs, such as CARDS / KEYS and VEHICLES, access multiple records.

On these tabs, there are four buttons (above) at the bottom of the window marked FIRST, PREVIOUS, NEXT and LAST. These buttons move you between individual records. The FIRST button moves you to the first (lowest number) record. The PREVIOUS button moves you to the record before the one you are currently viewing. The NEXT button moves you to the record after the one you are currently viewing. The LAST button moves you to the last (highest number) record.

AFC Configuration Pull-Down Menus

At the top of the AFC Configuration window there are three pull-down menus (at right) labeled FILE, TRANSFER DATA and EDIT. These menu items allow you to perform additional functions such as transmitting the configuration information and editing or deleting records. One or more of these functions may be grayed-out if they are not used in a particular tab.

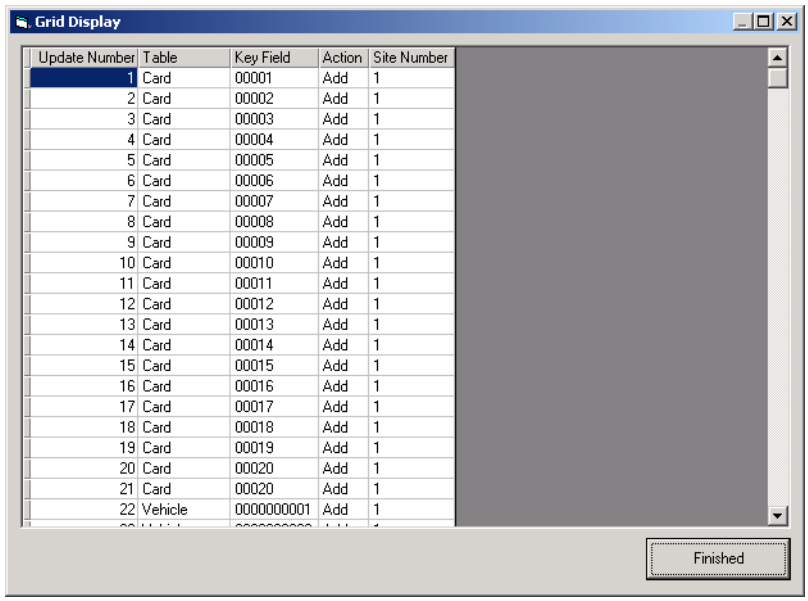
File Pull-Down



The FILE menu (at right) lets you view a list of updated records that need to be transmitted, a grid listing all of the records for the tab you are on, or exit the configuration window.

View Update List

Select **File** > **View Update List** to view the list of updated records (*Figure 10*) that need to be transmitted to the AFC.



Update Number	Table	Key Field	Action	Site Number
1	Card	00001	Add	1
2	Card	00002	Add	1
3	Card	00003	Add	1
4	Card	00004	Add	1
5	Card	00005	Add	1
6	Card	00006	Add	1
7	Card	00007	Add	1
8	Card	00008	Add	1
9	Card	00009	Add	1
10	Card	00010	Add	1
11	Card	00011	Add	1
12	Card	00012	Add	1
13	Card	00013	Add	1
14	Card	00014	Add	1
15	Card	00015	Add	1
16	Card	00016	Add	1
17	Card	00017	Add	1
18	Card	00018	Add	1
19	Card	00019	Add	1
20	Card	00020	Add	1
21	Card	00020	Add	1
22	Vehicle	0000000001	Add	1

Figure 10: FILE - Update List Option

Delete Update List

Select **File** > **Delete Update List** to delete all current records marked for update. This will clear all updates for all sites.

View Comm. Log File

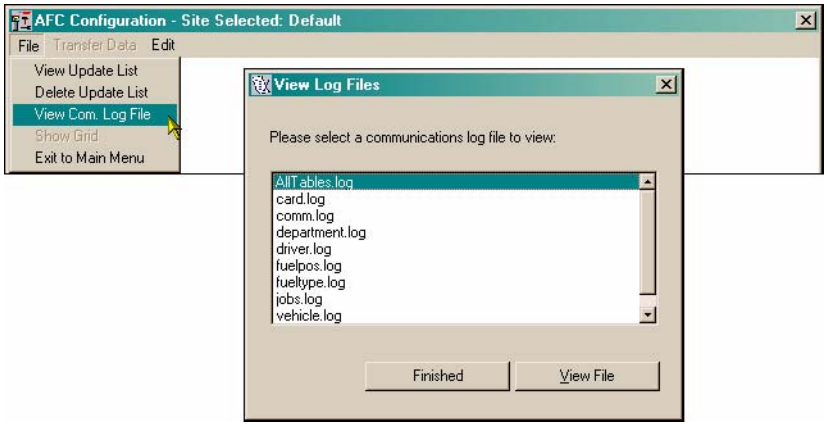


Figure 11: FILE - View COMM Log Files

Select **File** > **View Comm. Log File** to view the communication log file (*Figure 11*) for troubleshooting. Click the log file you wish to view and then click the VIEW FILE button. The selected file will then open in Windows Notepad.

Show Grid

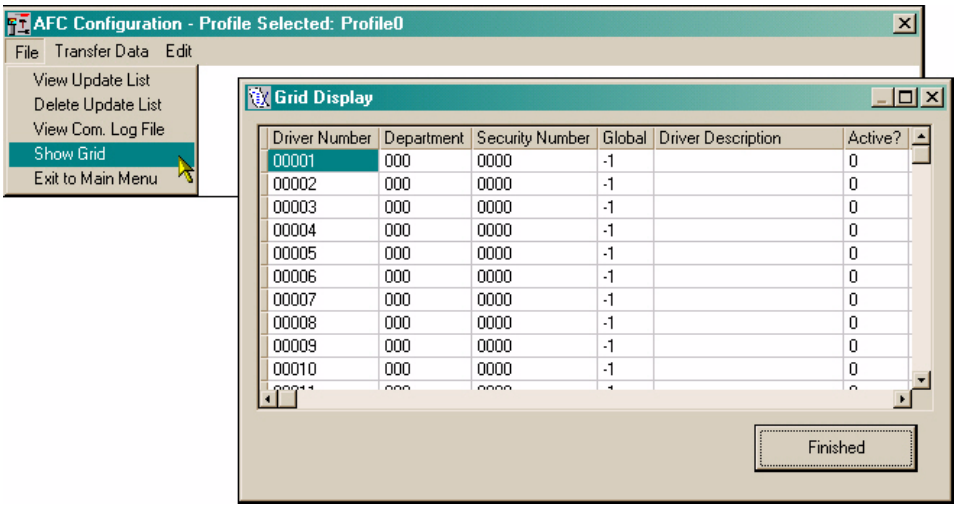


Figure 12: GRID Display

Select **File** > **Show Grid** to view a grid (*Figure 12*) with all records for the Table. Click FINISHED to exit.

Exit to Main Menu

Select **File** > **Exit** to return to the AFC configuration menu.

AFC Configuration - Transfer Data

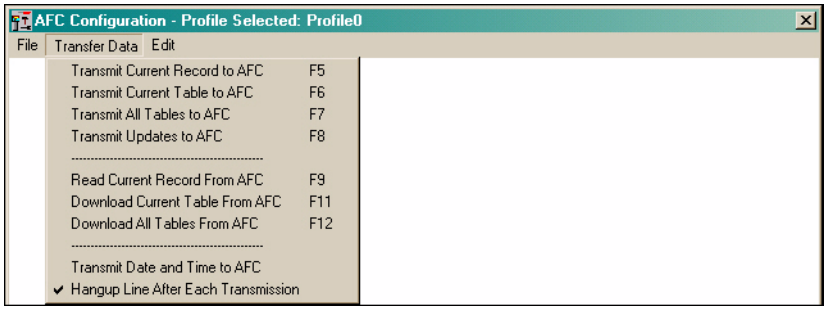


Figure 13: AFC CONFIGURATION - Transfer Data

The TRANSFER DATA menu (*Figure 13*) lets you send and retrieve individual records, individual tables, all tables or updated records to the AFC. This section explains what each item does and when it should be used.

Transmit Current Record To AFC (F5)

Sends only the current record to the AFC. For example, if you are in FUELTYPES looking at fuel type 003, pressing F5 or selecting **Transfer Data** > **Transmit Current Record To AFC** sends only fuel type 003 to the AFC. No other fuel types or other tabs are transmitted.

Transmit Current Table To AFC (F6)

Sends the entire current table to the AFC. For example, if you are on the FUELTYPES tab looking at fuel type 003, pressing F6 or or selecting **Transfer Data** > **Transmit Current Table To AFC** sends all fuel type records to the AFC. *Tables with a large number of records can take considerable time to transmit.*

Transmit All Tables To AFC (F7)

Sends all tables to the AFC, regardless of the tab you are on. Pressing F7 or or selecting **Transfer Data** > **Transmit All Tables To AFC** sends every record for every table to the AFC. *Tables with a large number of records can take considerable time to transmit.*

Transmit Updates To AFC (F8)

This function lets you send only the items you have changed in the AFC configuration. You do not have to remember to transmit each record after you modify it, or wait while the system transmits tables.

When you edit a record and click the SAVE CHANGES button, each individual item you change on each record creates one entry in the UPDATES table. For instance, if you go into the FUELTYPES tab and change the

LOW QUANTITY to a different value, when you save the record an entry is made in the UPDATES table.

When to Use These Commands

Use **Transmit Updates** when changing, adding or deleting records on a AFC that has already been set up and is fully functional.

Use **Transmit Current Record**, **Transmit Current Table** or **Transmit All Tables** when configuring a new system. There is no need to transmit the current record, current table or all tables and transmit updates.

Updates are listed in sequential order from oldest to newest and each update entry will show you which table it refers to, the particular record that was modified, and if the update is to be added to or deleted from the AFC.

To use the TRANSMIT UPDATES TO AFC, make the necessary additions, corrections and deletions to the AFC configuration and click TRANSFER DATA and TRANSMIT UPDATES TO AFC -- you may also press the F8 function key to transmit the updates.

Note

Deleting a record in the AFC Administrator software and transmitting the current table or all tables does not delete the item from the AFC. The ONLY way to delete a record from the AFC via the computer is to delete the record in the AFC Administrator program and transmit updates.

Read Current Record From AFC (F9)

Imports the current record from the AFC and replaces the values currently displayed on the screen with the values stored in the AFC memory. Select **Transfer Data** > **Read Current Record From AFC**, or press the F8 key to transmit the updates.

Download Current Table From AFC (F11)

Imports the current table from the AFC and replaces the values in all records of the currently displayed table with the values stored in the AFC memory. Select **Transfer Data** > **Download Current Table from AFC**.

Download All Tables From AFC (F12)

Imports all tables from the AFC and replaces the values in all records of all tables with the values stored in the AFC memory.

To read the all tables from the AFC, select **Transfer Data** > **Download All Tables from AFC**.

Transmit Date and Time to AFC

This feature allows you to set and transmit the correct date and time to the AFC. To set the date and time, perform the following steps in the box represented in *Figure 14*

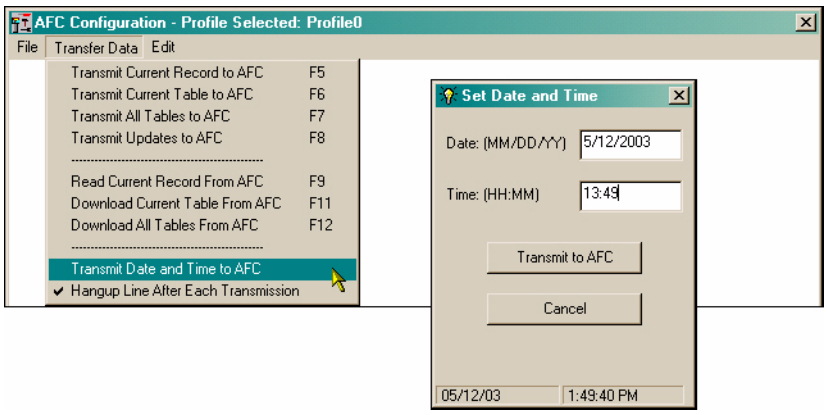


Figure 14: AFC TRANSFER DATA - Date and Time

1. Select **Transfer Data** > **Transmit Date and Time to AFC** to bring up the SET DATE AND TIME window. The computer date and time are displayed at the bottom of this window.
2. Enter the date in MMDDYY format.
3. Enter the time in HH:MM format. The time is in 24-hour format -- i.e. 12 noon is 12:00, 1:15 PM is 13:15, 11:59 PM is 23:59, etc.
4. Click **Transmit to AFC** to send the date and time to the AFC.

Hang-up Line After each Transmission

This function lets the application remain connected to the AFC between the transmission of tables or records. The modem disconnects after you download or click FINISHED on the configuration window.

AFC Configuration - Edit

See *Figure 15*. The EDIT menu allows you to find a particular record and perform various functions to the current record. Besides being able to search for a particular record, you may edit a record, and undo changes to a record before it has been saved. You may also insert, delete, or save a record as needed.

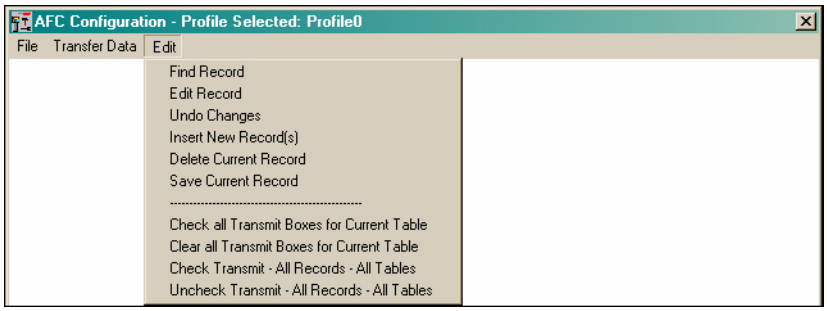


Figure 15: AFC CONFIGURATION - Edit

Each tab form contains three buttons: EDIT RECORD, SAVE CHANGES and FINISHED.

- The EDIT RECORD button allows you to edit the current record that is displayed.
- The SAVE CHANGES button allows you to save the record after you have done your editing.
- The FINISHED button takes you back to the main AFC Administrator window.

Table Relationships

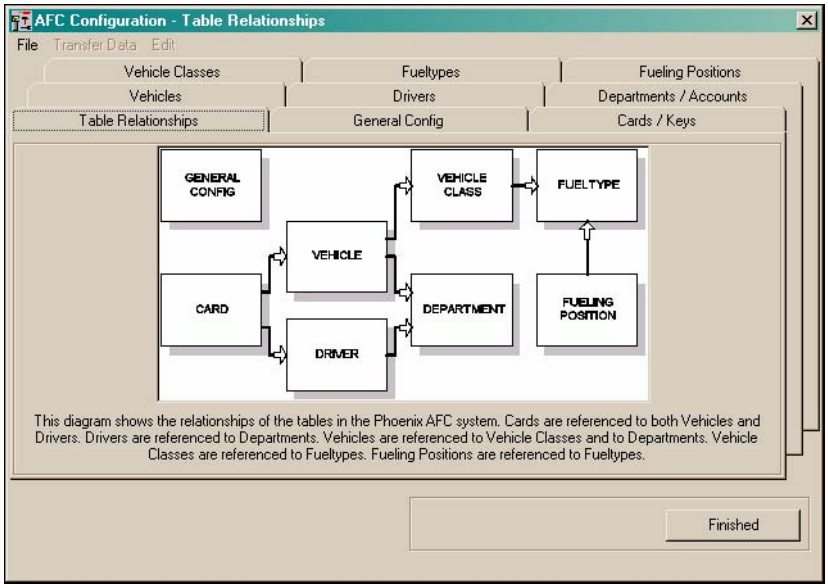


Figure 16: AFC CONFIGURATION - Table Relationships

Table Relationships (*Figure 16*) is “online help” to teach you the dependencies of tables on each other. For example, you cannot create a vehicle until you have successfully programmed the vehicle class and department for this specific vehicle.

To insure proper programming, try to program you tables in the following sequence: Fuel type, Fuel Position, Vehicle class, Department, Driver, Vehicle, Card then General Config.

General Config Table

Sets up the more general features of the AFC including security features. You must click EDIT RECORD to change any of these values.

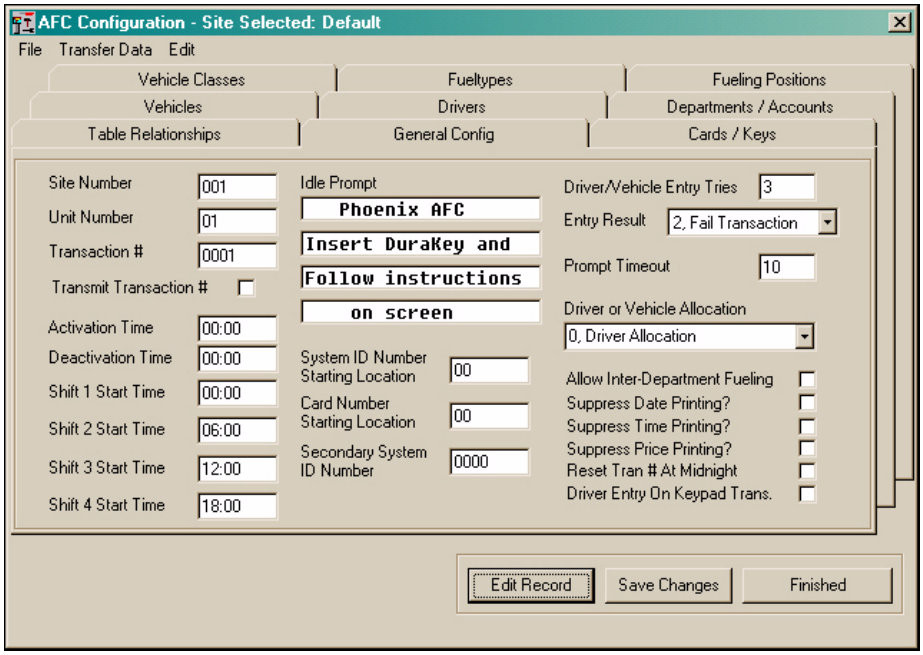


Figure 17: AFC CONFIGURATION - General Configuration Tab

Site Number

Identification number for the physical site where one or more AFC units are installed. Helps with multiple fueling sites to identify the source site of a transaction. For a single site, 001 is recommended. In multiple sites, no two sites should have the same site number. To change this setting, click on the box and type the appropriate value.

Unit Number

This is the specific physical unit at a multi-AFC site with more that one AFC unit installed. Sites with a single AFC should set the unit number to 01. To change this setting, click on the box and type the appropriate value.

Transaction

Sets the starting transaction number. Valid values are 0001 to 9999. When the configuration information is sent to the AFC, the next transaction that occurs will begin with this number. This would most likely be used if you wanted to reset the transaction number to a given value at the beginning of the week or month. To change this setting, click on the box and type the

appropriate value. If you never change this value, transactions will go from 9999 to 0001 and through the whole cycle again.

Transmit Transaction

If this box is checked, the starting transaction number specified in the Transaction # box will be transmitted to AFC when the table is transmitted. To have the transaction number transmitted, click on the box. A check mark will appear indicating the transaction number will be transmitted when the configuration data table is transmitted.

Activation Time (Open terminal)

This determines the time the AFC will accept user transactions. Valid values are in military time ranging between 00:10 (12:10 AM) and 23:50 (11:50 PM). All Times must be programmed in 10-minute increments. To allow fueling 24 hours a day, set the activation and deactivation time to 00:00. To change this setting, click on the box and type the appropriate value.

Deactivation Time (Close terminal)

This determines the time the AFC will decline user transactions. Valid values are in military time, ranging between 00:10 (12:10 AM) and 23:50 (11:50 PM). All Times must be programmed in 10-minute increments. To allow fueling 24 hours a day, set the activation and deactivation time to 00:00. To change this setting, click on the box and type the appropriate value.

Shift 1, 2, 3, 4 Start Time

This sets the starting time for the first, second, third, and fourth work shift. Valid values are in military time, with a range of 00:00 (midnight) to 23:50 (11:50 PM). This value is part of the shift totalizer feature, which determines fuel usage by shift. Set all shift times to 00:00 if you do not wish to use the shift totalizer feature. To change this setting, click on the box and type the appropriate value. Shifts cannot overlap.

Idle Prompt

This feature sets the message displayed when the AFC system is idle and accepting transactions. This message is limited to four lines of twenty characters each. Typical messages include “Insert Card to Fuel…” “Welcome to Bubba's Quick-Stop…” and “Thank you for using Farmers Fuel…” or “County Fuel Site, Authorized Users Only.” To change this setting, click on the box and type the appropriate value. Use spaces before and after the text if you wish to center the message.

System ID Number Starting Location

This setting determines the starting position for the system ID on NON-STANDARD cards. This feature is included in the event third-party fuel

cards such as Comm-Chek will be used in addition to the standard cards. It should not be changed if the system is using only the standard AFC cards. The value 00 is used for standard AFC cards. To change this setting, click on the box and type the appropriate value.

To obtain information on how to configure your system for third-party cards, you should contact the Customer Care department and arrange to send some sample cards in to be decoded. A minimum of four cards should be sent - sending additional cards makes the decoding process easier.

Card Number Starting Location

This setting determines the starting position for the card number on NON-STANDARD cards. This feature is used for third-party fuel cards such as Comm-Chek. It should not be changed if the system is using the standard AFC cards. The value 00 is used for standard AFC cards. To change this setting, click on the box and type the appropriate value.

To obtain information on how to configure your system for third-party cards, you should contact the Customer Care department and arrange to send some sample cards in to be decoded. A minimum of four cards should be sent - sending additional cards makes the decoding process easier.

Secondary System ID Number

This setting determines the secondary system ID number when using NON-STANDARD cards. This feature is used for third-party fuel cards such as Comm-Chek. It should not be changed if the system is using the standard AFC cards. The value 0000 is used for standard AFC cards. To change this setting, click on the box and type the appropriate value.

To obtain information on how to configure your system for third-party cards, you should contact the Customer Care department and arrange to send some sample cards in to be decoded. A minimum of four cards should be sent - sending additional cards makes the decoding process easier.

Driver / Vehicle Entry Tries

This setting determines the number of times input of an incorrect driver or vehicle number can be attempted before the system assumes an unauthorized user is attempting to fuel. To change this setting, click on the box and type the appropriate value.

Entry Result

This value determines what happens when the number of tries for the driver or vehicle number is exceeded:

- **1** - Allows fueling to occur
- **2** - Does NOT allow fueling to occur

- **3** - Invalidates the card (deletes the card from the AFC) for any subsequent fueling transactions.

To change this setting, click on the box and select the appropriate value. If the card is invalidated, the system administrator must re-validate the card before it can be used again.

Note

To revalidate a card you must retransmit the card record to the AFC.

Prompt Timeout

Number of seconds the system waits for you to input data and press the enter key at each prompt. This setting can be from 5 to 60 seconds. This value should be set to the shortest time needed so you cannot accidentally walk away from the system and leave sensitive information visible on the display. On new systems it may be advisable to use the maximum setting until users are familiar with how to input the required information. To change this setting, click on the box and type the appropriate value.

Driver or Vehicle Allocation

This feature determines whether the amount of fuel dispensed is deducted from the driver's department or the vehicle's department. This feature is only valid if departments have been allocated a specific amount of fuel to use. A value of 1 allows fuel to be subtracted from the vehicle's department, and a value of 2 allows fuel to be subtracted from the driver's department. To change this setting, use the pull-down menu and select the appropriate value.

Allow Inter-Department Fueling

This setting determines whether or not drivers from one department may fuel vehicles from another department. If the box is checked, a driver may fuel a vehicle from another department - if the box is unchecked, a driver is prohibited from fueling vehicles from another department. To change this setting, click on the box.

Suppress Date Printing

Turns on/off printing of the transaction date on the journal printer. The date is still recorded and is available in reports. To suppress the date, click on the box - a check mark will appear indicating the date will be suppressed. The date will appear as mm/dd/yyyy.

Suppress Time Printing

Turns on/off printing of the transaction time on the journal printer. Time is still recorded and is available in reports. To suppress the time, click on the box - a check mark will appear indicating the time will be suppressed. The time format will appear as hh:mm.

Suppress Price Printing

Turns on/off printing of the transaction fuel price on the journal printer. The fuel price is still recorded and is available in reports. To suppress the fuel price, click on the box - a check mark will appear indicating the fuel will be suppressed. The price will appear as xxx.xx.

Reset Trans # At Midnight

This setting determines whether or not the transaction number is set back to 0001 at midnight. If the box is checked, the system will reset the transaction number to 0001 at midnight - if the box is unchecked, the transaction number is not reset. To change this setting, click on the box.

Driver Entry On Keypad Trans.

This setting determines whether or not the driver is prompted for a driver number entry when the system is being operated keyless or cardless. If the box is checked, the system will prompt the driver for a driver number - if the box is unchecked, the driver is not prompted for a driver number. To change this setting, click on the box.

Cards / Keys Table

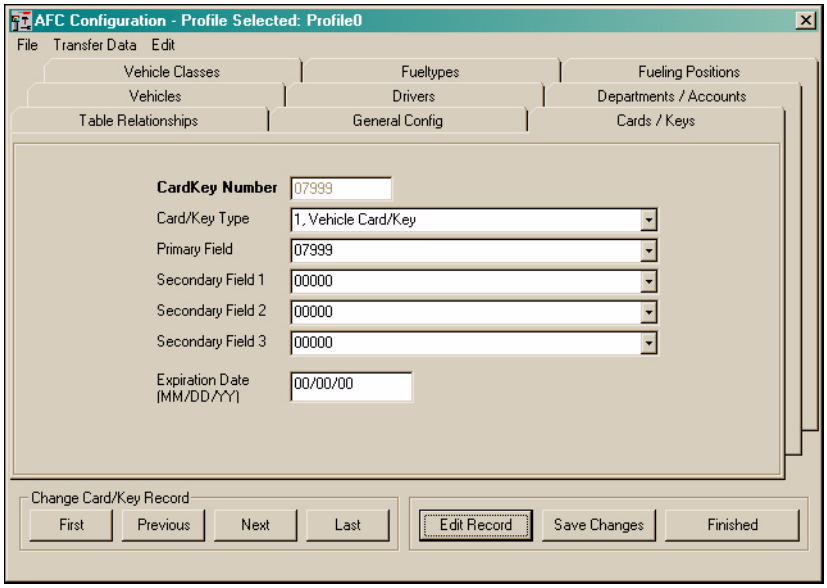


Figure 18: AFC CONFIGURATION - Cards/Keys Tab

The Cards/Keys table (*Figure 18*) lets you specify information about vehicle or driver cards/keys, such as the vehicle or driver number and the card/key expiration date. You may also search for, add or delete specific keys using the pull-down menus at the top of the window.

To locate a specific card/key, select **Edit** > **Find Record**. You will be prompted for the card number you wish to find. Type in the card/key number, and click OK. Click CANCEL to abort the search. If the card/key does not exist, a message will advise you the card/key was not found.

To add a card/key, select **Edit** > **Insert New Record**. You will be prompted for the card/key number you wish to insert. Type the card/key number, and click OK. The AFC will work with cards or keys ranging from 00001 to 65499. If the card / key you are adding already exists, you will be warned and prompted to enter another.

In the INSERT NEW RECORDS(S) options, by clicking the box labeled “INSERT BLOCK OF RECOREDS”, you can add multiple records beginning and ending with the numbers you indicate. However, we caution you against creating a large number of records that will not be used immediately, as they may slow down the system.

Click CANCEL to exit without adding a record.

To delete a specific card/key, select **Edit** > **Find Record** to display the card/key record, then select **Edit** > **Delete Current Record**.

Note

You must also TRANSMIT UPDATES TO AFC to complete the deletion process.

Card/Key Number

This is the card or key number programmed onto the card/key, and may also be the card number embossed on the card or the key number label on the key tag. The card number does not need to match the vehicle number or the driver number. The number displayed in the box is the current card or key this form will modify.

Card/Key Type

This setting determines whether this card/key is assigned to a vehicle or a driver. To change the card/key type, click the down arrow next to the Card/Key Type window and click the appropriate type from the list. A description of the available types is found below.

- **Type 1** - Vehicle Card/Key - This key is assigned to a specific vehicle number.
- **Type 2** - Driver Card/Key - This key is assigned to a specific driver number.

Vehicle/Driver Number (Primary Number)

This field assigns a specific vehicle or driver number to the card/key number. The name and function of this field varies according to the card/key type selected. For vehicle cards or keys, this field identifies the vehicle that the card or key is assigned to. For driver cards or keys, this field identifies the driver that the card or key is assigned to. It will be labeled “Vehicle Number” for Type 1 cards/keys and “Driver Number” for Type 2 cards/keys.

This field is a pull-down menu. Clicking on the down arrow at the right of the field brings down a list of available vehicles (for card/key type 1) or drivers (for card/key type 2).

These menu choices are read from the vehicle and driver tables. N

Note

If the vehicle or driver number does not appear in the list, it has not been added to the vehicle or driver table respectively.

Driver/Vehicle Number (Secondary Numbers)

These three fields are the secondary numbers. For a vehicle card or key, these fields represent the driver numbers that are allowed to use the vehicle.

For driver cards or keys, these fields represent the vehicles the driver may use. In the AFC administrator program, setting the Card/Key type to vehicle (type 1) causes the labels of the secondary numbers to read Driver Number. Likewise, setting the Card/Key type to driver (type 2) causes the secondary number to read Vehicle Number. The secondary field's function depends on the setting of Card/Key type.

These fields are pull-down menus. Clicking on the down arrow at the right of the field brings down a list of available vehicles (for card/key type 1) or drivers (for card/key type 2). These fields are read from the vehicle or driver tables.

Note

If the vehicle or driver number does not appear in the list, it has not been added to the vehicle or driver table respectively.

If the card or key is a vehicle type, then the AFC system will only prompt the operator for a driver number if a driver number is entered in any one of the three secondary fields. If all three secondary fields are set to 0, then the system will not prompt for a driver number.

If the card or key is a driver type, then the AFC system will always prompt the operator for a vehicle number. The AFC system must have a vehicle number in order to perform a transaction. This is because the vehicle references the vehicle class record, which in turn references a valid fuel type for the transaction. If all three secondary fields are set to 0, then the vehicle will only operate if the vehicle used is set to global, or if the driver number used is set to global. Refer to the vehicle and driver record descriptions below for information on global settings.

Sample Programming Scenarios

The Card/Key, Vehicle and Driver tables are the main tables used in programming the pump authorization process. You may need to program the vehicle table only if you require a single entry on the keypad to authorize a pump (no cards or keys). In other cases you may need all tables, if you were to program dual entries utilizing cards or keys.

Check the following guidelines depending on your setup needs.

Single Keypad Entry (Vehicle Keypad entry)

- Keypad dipswitch must be set to ON in the AFC (SW1 POS 3 - see your AFC Installation Manual)
- “Keypad Entry Allowed” in the Vehicles Table (*Figure 19* on page 38) must be checked for all the vehicles.
- “Driver Entry on Keypad Trans.” (*Figure 17* on page 29) must be unchecked in the General Config. table .

Single Key or Card entry (Vehicle Durakey or Vehicle Card)

- Keypad dipswitch must be set to ON in the AFC (SW1 POS 3 - see your AFC Installation Manual)
- Card/key type must be set to 1-Vehicle Key (*Figure 18* on page 34).
- The card/key primary field must contain a valid vehicle number.

Dual Keypad entry (Vehicle and Driver both keypad entries)

- Keypad dipswitch must be set to ON in the AFC (SW1 POS 3 - see your AFC Installation Manual)
- "Keypad Entry Allowed" must be checked for all vehicles and drivers.
- "Driver Entry on Keypad Trans." must be checked in the General Config. table

Vehicle Keypad and Driver Durakey or Driver Card (Dual entry)

- Keypad dipswitch must be set to OFF in the AFC (SW1 POS 3 - see your AFC Installation Manual)
- "Keypad Entry Allowed" must be checked for all vehicles (*Figure 19* on page 38)
- Card/key type must be set to 2-Driver Key (*Figure 18* on page 34).
- The card/key primary field must contain a valid driver number.

Driver Keypad and Vehicle Durakey or Vehicle Card (Dual entry)

- Keypad dipswitch must be set to OFF in the AFC (SW1 POS 3 - see your AFC Installation Manual)
- "Keypad Entry Allowed" must be checked for all drivers (*Figure 20* on page 41).
- Card/key type must be set to 1-Vehicle Key (*Figure 18* on page 34).
- The Card/Key Primary field must contain a valid vehicle number.
- The Card/Key Secondary field must contain a valid driver number (any driver).

Dual Durakey or Card entry (Both Vehicle and Driver are Durakeys or Cards)

- Keypad dipswitch must be set to OFF in the AFC (SW1 POS 3 - see your AFC Installation Manual)
- "Keypad Entry Allowed" must be unchecked for all the vehicles and drivers.
- Card/key type must be set to 1-Vehicle Key (for Card/Key 1 in the set).
- The Card/Key Primary field must contain a valid vehicle number (for Card/Key 1 in the set).
- The Card/Key Secondary field must contain a valid driver number. (for Card/Key 1 in the set).
- Card/key type must be set to 2-Driver Key (for Card/Key 2 in the set).
- The Card/Key Primary field must contain a valid driver number (for Card/Key 2 in the set).

Vehicles Table

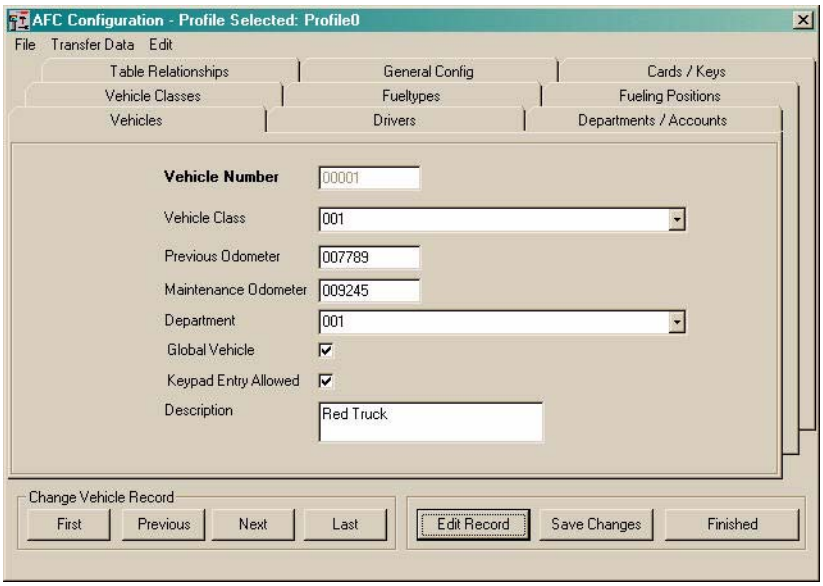


Figure 19: AFC CONFIGURATION - Vehicles

The Vehicles Table (*Figure 19*) lets you specify information about vehicles, such as the vehicle class, odometer reading or vehicle department number. You may also search for, add or delete specific vehicles.

To locate a specific vehicle, select **Edit** > **Find Record**. You will be prompted for the vehicle number you wish to find. Type in the vehicle number and click OK. Click CANCEL to abort the search. If the vehicle does not exist, a message will advise you the vehicle was not found.

To add a vehicle, select **Edit** > **Insert New Record**. You will be prompted for the vehicle number you wish to insert - type the vehicle number and click OK. Vehicle numbers can be from 1 to 65,500. If the vehicle you are adding already exists, you will be warned and prompted to enter another.

In the INSERT NEW RECORDS(S) options, by clicking the box labeled “INSERT BLOCK OF RECOREDS”, you can add multiple records beginning and ending with the numbers you indicate. However, we caution you against creating a large number of records that will not be used immediately, as they may slow down the system.

Click CANCEL to exit without adding a record. Once you add the vehicle number to the database the vehicle record will be displayed.

To delete a specific vehicle, select **Edit** > **Find Record** to display the vehicle record, then select **Edit** > **Delete Current Record**.

Note

You must also TRANSMIT UPDATES TO AFC to complete the deletion process.

Vehicle Number

This is the vehicle number attached to the information currently displayed on this form.

Vehicle Class

This field defines the vehicle class for each vehicle. Use to group vehicles by type, such as delivery trucks, forklifts or sales cars. The value for vehicle class is 001 to 200. To change vehicle class, click **Vehicle Class** and key in the appropriate value or select from the pull-down menu. The pull-down menu contains vehicle class choices from the vehicle class table.

Previous Odometer

This box displays the last odometer reading for this vehicle. If the odometer reading is required to fuel a vehicle and this vehicle has been fueled previously, this value will be the last odometer reading entered. If the vehicle has just been added, the field will contain only zeros - YOU MUST CHANGE to reflect the current odometer reading for this vehicle.

The current value for the previous odometer does not update automatically. To view the current value, perform a Download Current Table function in the vehicle table to update all previous odometers of the vehicles. To view the current value for a single vehicle, perform a Read Current Record function while viewing the specific vehicle's record.

To change the previous odometer value, click on the field and type in a new value. The valid range for an odometer reading is 0 to 999,999. Whenever you **Transmit All Tables** or **Transmit Current Table** or **Transmit Current Record**, the value in the previous odometer will not be sent to the AFC, unless it has been currently modified. Y*ou must modify the field to be able to transmit it to the AFC.*

Maintenance Odometer

This is the next maintenance odometer reading, when service is next due on this vehicle. If the vehicle has just been added, it will be all zeros. Change this to reflect the odometer setting of the vehicle when the next preventive maintenance is required.

To change the maintenance odometer reading, click **Maintenance Odometer** and enter the odometer reading for this vehicle. The valid range for an odometer reading is 0 to 999,999.

Department

The department to which this vehicle belongs. Department numbers must have already been defined through the DEPARTMENTS/ACCOUNT table (*page 48*). Use Department to measure fuel usage on a department basis. Vehicles, entered previously, may already have a department number entered. New vehicles have a department number of 000.

To change the department number, click **Department**, then select one from the pull-down menu. The department choices in the menu are filled from the department table. Valid department numbers range from 000 to 255.

Note

A vehicle in Department 000 can be fueled by ANY driver, regardless of his department.

Global Vehicle

Determines whether any driver in the vehicle's department can fuel this vehicle. Global Vehicle removes all vehicle to driver restrictions imposed by the card table, BUT these vehicles are still subject to department restrictions. Use this for a vehicle available to everyone in that vehicle's department. To make a vehicle global, check the **Global Vehicle** box.

Keypad Entry Allowed

If checked, the system allows either the physical card or key to be entered, or the vehicle number to be entered on the keypad. If it is not set, the operator will receive an error and will not be able to fuel. Allows the AFC administrator to restrict some vehicles to a two card or key operation only. This feature is also used in the keypad-only mode.

Description

Enter up to 50 letters and/or numbers to describe the vehicle -- make, model, color or type.

Drivers Table

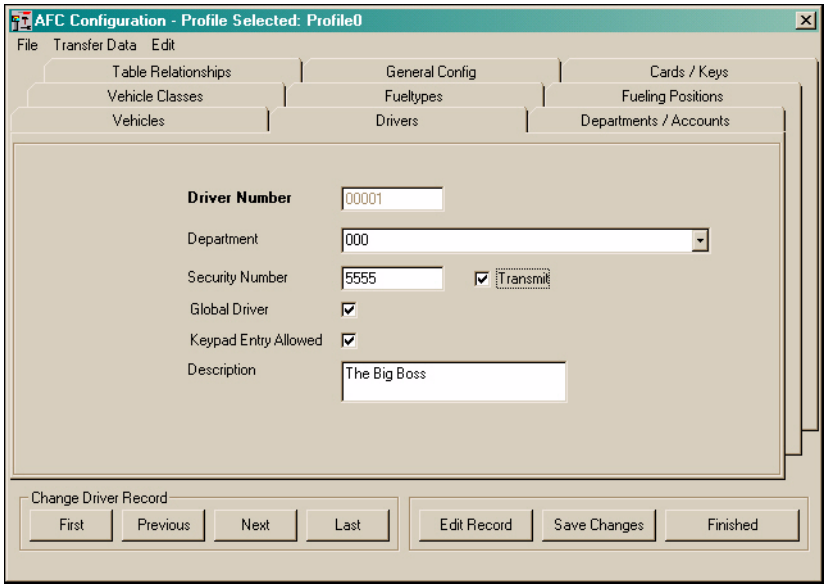


Figure 20: AFC CONFIGURATION - Drivers

The Drivers Table (*Figure 20*) lets you specify information about drivers, such as their department number, and security number. You may also search for, add or delete specific drivers.

To locate a specific driver, select **Edit** > **Find Record**. Type in the driver number and click OK. If the driver does not exist, a message will advise you the driver was not found.

To add a driver, select **Edit** > **Insert New Record**. Enter a driver number from 1 to 65500 and click OK. If the driver you are adding already exists, you will be warned and prompted to enter another.

In the INSERT NEW RECORDS(S) options you can add multiple records, beginning and ending with the numbers you indicate. *Do not create a large number of records for later use -- they may slow down the system.*

Once you add the driver number to the database, the vehicle record will be displayed.

To delete a specific driver, first select **Edit** > **Find Record**. Enter a record number then select **Edit** > **Delete Current Record**.

Note

You must TRANSMIT UPDATES TO AFC to complete the deletion process.

Driver Number

This is the driver number attached to the information currently displayed on this form.

Department

This is the driver's department, defined with the DEPARTMENT tab (*page 48*). Use departments to group vehicles by user type or division. Set to “000” if departments are not used. Valid department numbers range from 001 to 255. To change the department number, click **Department** and enter a number, or select it from the pull-down menu.

Note

By assigning a driver to Department 000, you give that driver the ability to fuel ANY vehicle, regardless of department. Typically , the site’s supervisor is assigned to Department 000.

Security Number

This is like a PIN (from 0001 to 9998) for each driver. If assigned, the driver must enter it before fueling is allowed. Entering 0000 disables this feature. To change the security number, click the box labeled “Security Number” and key in the appropriate value.

Check the Transmit box next to the Security Number box must be checked in order for the security number to be sent to the AFC when this record or the complete table is transmitted. Any changes to the security number are not transmitted unless this box is checked.

When set to 9999 the system prompts and verifies each driver to enter a new security number, allowing drivers to select their own security number without having the AFC administrator program each one into the system.

Note

Do not use an easily-guessed value like the last four digits of the driver's phone number. A random sequence of non-repeating digits is the most secure.

Global Driver

This item determines whether this driver is able to fuel any vehicle in his department. The global setting removes the vehicle to driver restrictions imposed by the card table. *Global drivers are still subject to department restrictions*. This option would commonly be used for a driver who is allowed to fuel any vehicle in his or her department. To make a driver global, check the **Global Driver** box.

Keypad Entry Allowed

If a vehicle card or key is entered, the system will allow either a vehicle card/key to be entered next, or a driver number to be entered on the keypad. If the operator enters the driver number on the keypad, the Keypad Entry Allowed option must be set. If it is not set, the operator will receive an error and will not be able to fuel. This lets your AFC administrator restrict some drivers to a two-card/key operation only. This feature can be used in the keypad-only mode. Check the **Keypad Entry Allowed** box to enable.

Description

Here you can enter up to 50 letters or numbers to describe the driver -- job position, job description, shift, etc. Click in the **Description** box and enter your text.

Vehicle Classes Table

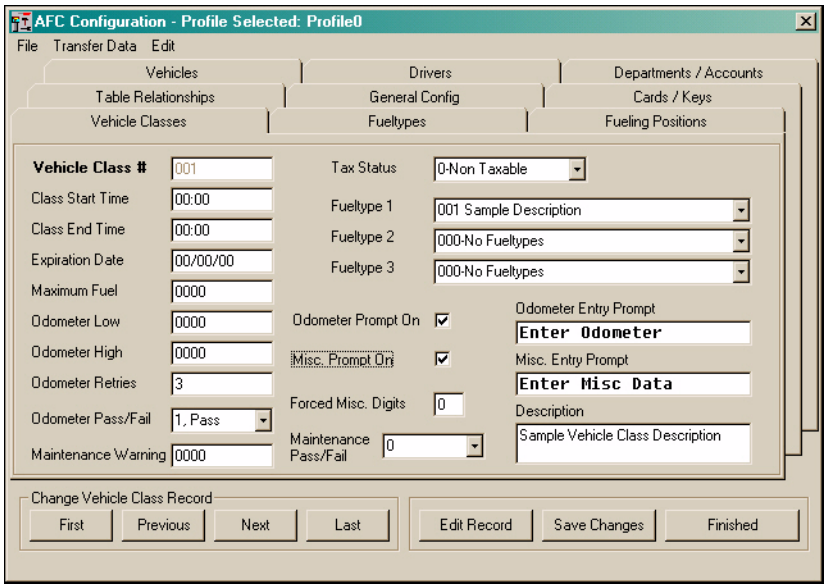


Figure 21: AFC CONFIGURATION - Vehicle Classes

The Vehicle Classes Table (*Figure 21*) lets you specify which vehicles are allowed to fuel, and what type of fuel they can use. You can also search for, add or delete specific vehicle classes.

To locate a specific vehicle class, select **Edit** > **Find Record**. Enter a number and click OK. If the vehicle class does not exist, a message will advise you the vehicle class was not found.

To add a vehicle class, select **Edit** > **Insert New Record**, enter a class number and click OK. Vehicle class numbers can be from 001 to 200. If the

vehicle class you are adding already exists, you will be warned and prompted to enter another.

In the INSERT NEW RECORDS(S) options you can add multiple records, beginning and ending with the numbers you indicate. *Do not create a large number of records for later use -- they may slow down the system.*

Once you add the vehicle class number to the database the vehicle class record will be displayed.

To delete a specific vehicle class, first select Edit > Find Record. Enter the record you want to delete, then select **Edit** > **Delete Current Record**. *You must also TRANSMIT UPDATES TO AFC to complete the deletion process.*

Vehicle Class

This is the vehicle class number attached to the information currently displayed on this form.

Class Start Time

This is the time of day the AFC begins accepting fueling transactions for this vehicle class. Enter as 24-hour time, with a range of 00:10 (10 minutes after midnight) to 23:50 (11:50 PM). Times are in 10 minute increments. This feature limits the “fueling day”.. For 24-hour fueling, set the activation and deactivation time to 00:00. To change this setting, click on the box and enter a new value as HH:MM.

Class End Time

This is the time of day the AFC denies fueling transactions for this vehicle class. Enter as 24-hour time, with a range of 00:10 (10 minutes after midnight) to 23:50 (11:50 PM). Times are in 10 minute increments. This feature limits the “fueling day”.. For 24-hour fueling, set the activation and deactivation time to 00:00. To change this setting, click on the box and enter a new value as HH:MM.

Expiration Date

This value sets the expiration date for this specific vehicle class. Any fueling attempts occurring after this date will not be allowed. To change the expiration date, click on Expiration Date and enter a new date in MM/DD/YY format. Entering 00/00/00 causes the vehicle class to never expire.

If a class expires, card/keys will not work to obtain fuel for that class, but the class information will remain stored.

Maximum Fuel

Maximum quantity of fuel a vehicle of this class may obtain per transaction. Set to allow the vehicle with the largest fuel capacity in its class to

refuel completely from an empty tank OR set to 0000 for unlimited fueling (unless limited by fueling position or a nearly-empty tank).

The maximum fuel setting range is 0000 to 9999 (liters in metric systems, gallons in non-metric systems). To change the maximum fuel value, click Maximum **Fuel** and enter your value.

Odometer Low

The minimum distance a vehicle of this class must travel before it is allowed to fuel. Calculate minimum distance by subtracting a vehicle's odometer reading at the last fueling from the vehicle's current odometer reading. If the result is less than the odometer low setting, fueling is not permitted. If the odometer prompt is turned off, or the odometer low and odometer high settings are both set to 0000, mileage is not checked.

The odometer low setting range is 0000 to 9999 (kilometers for metric systems, miles for others). To change the odometer low value, click Odometer Low and enter your value.

Odometer High

The maximum distance a vehicle of this class can travel and still be allowed to fuel. Calculate maximum distance by subtracting a vehicle's odometer reading at the last fueling from the vehicle's current odometer reading. If the result is greater than the odometer high setting, fueling is not permitted. If the mileage prompt is turned off, or the odometer low and odometer high settings are both set to 0000, mileage is not checked.

The odometer high setting range is 0000 to 9999 (kilometers for metric systems, miles for others). To change, click Odometer High and enter your value.

Odometer Retries

The number of times you can attempt to enter an odometer reading before the system will disable fueling for a vehicle in this vehicle class. When an odometer reading is entered, the AFC verifies the value is reasonable by comparing it to the previous odometer reading for the vehicle. If the odometer reading is not reasonable, the system informs you to re-enter the odometer reading.

The odometer retries value can be 0 to 9. To change the odometer retries value, click on the box labeled “Odometer Retries” and key in the appropriate value.

Odometer Pass / Fail

This value determines what will occur if you have exceeded the number of retries for entering a reasonable odometer reading. If 0 is selected, fueling is not allowed; if 1 is selected, you may continue to fuel. To change this set-

ting, click the down-arrow next to the window labeled “Odometer Pass / Fail”. A list will appear with the available settings. Click on the desired setting and it will appear in the box.

Maintenance Warning

Defines the number of miles before the vehicle's maintenance mileage setting that a warning message will be given. To set the maintenance warning, enter a number up to four digits.

Maintenance Pass / Fail

Defines whether or not fueling is allowed if a vehicle goes beyond its maintenance interval. To change this setting, select Pass or Fail from the pull-down menu.

Tax Status

Will this fuel dispensed to this vehicle is taxed or not. This feature is necessary because some states tax over-the-road fuels, but do not tax fuel for farm use. To change the selection, click on the arrow at the right of the field and select a choice from the pull-down menu. 0 - Non-Taxable, 1 - Taxable, and 2 - Prompt (operator selects a taxable or non taxable transaction at the time of authorization).

Fuel Type 1, 2, and 3

The types of fuel that a vehicle in this class can obtain. Up to three fuel-types may be obtained by a vehicle belonging to this vehicle class.

Note

It is possible, but not advisable, to allow a vehicle class to use all fuel types. To allow all fuel types, enter 255 for fuel type 1 and leave fuel type 2 and 3 set to 000.

The range for fuel types is 1 to 16 and 255 for all fuels, but the value should relate to a fuel type defined in the FUEL TYPES tab. To change any of the fuel types, click on one of the fuel type boxes and key in the appropriate value, or select a choice from the pull-down menu.

Odometer Prompt On

Determines if an odometer reading is required for a fueling transaction. If OFF, any odometer-related settings for this vehicle class are disabled. To turn ON, check the **Odometer Prompt On** box.

Odometer Entry Prompt

This is text that appears on the AFC display when any vehicle in this class is prompted to enter an odometer reading. The prompt can ask for mileage,

hours, or any other primary means of determining vehicle usage. For road vehicles, mileage is appropriate; hours are typically for farm or industrial equipment.

The message can be from 1 to 20 letters and/or numbers. To change the message, click inside the **Odometer Entry Prompt** field and type in your message.

Miscellaneous Prompt On

When checked, a user-defined entry is requested during a fueling transaction. Typical uses are an hour-meter reading or a job number. When ON, the user will be prompted for a miscellaneous entry.

Note

*This entry is optional unless the **Force Misc Digits** setting (described below) is enabled. Users can skip over the prompt by hitting RETURN.*

Misc Entry Prompt

This is from 1 to 20 characters of text displayed on the AFC display when a vehicle in this class is prompted to enter a miscellaneous reading. It can ask for mileage, hours, or any other secondary means of determining vehicle usage -- for example, hour meter readings on refrigeration equipment or hub-meter readings. To change the message, click on the box labeled “Misc Entry Prompt “and key in the appropriate message.

Force Misc Digits

This is the exact number of digits that must be entered when you are prompted for a miscellaneous entry during the fueling process. A value of 0 means there is no minimum number of digits that must be entered. If the value is in the range of 1 to 9, the user cannot fuel unless the exact number of digits is entered.

The range of values for force miscellaneous digits is 0 to 9. To change the force miscellaneous digits value, check the Force Misc Digits box and type in a value.

Description

From 1 to 50 characters describing the vehicles in this class. Examples -- Forklifts, sales fleet, delivery trucks, etc. To change the message, click in **Description** and key in the appropriate message.

Departments / Accounts Table

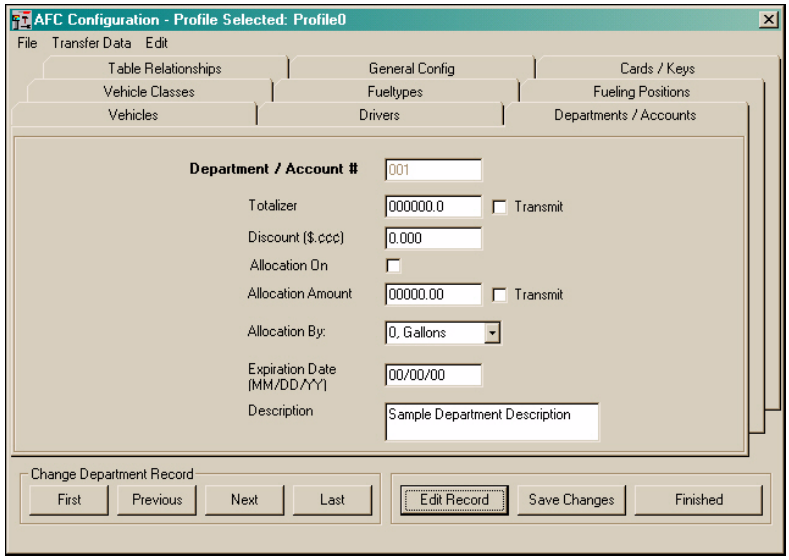


Figure 22: AFC CONFIGURATION - Departments/Accounts

The Departments/Accounts table (*Figure 22*) lets you specify things like "what fuel for what vehicle" (or what driver), discounts for fuel, and others. You may also search for, add or delete specific departments.

To locate a specific department, select **Edit** > **Find Record**. You will be prompted for the department number you wish to find -- type in the department number and click OK. Click CANCEL to abort the search. If the department number does not exist, a message will advise you the department number was not found.

To add a department, select **Edit** > **Insert New Record**. You will be prompted for the department number you wish to insert. Type the department number and click OK. Department numbers can be from 001 to 255. If the department number you are adding already exists, you will be warned and prompted to enter another.

In the INSERT NEW RECORDS(S) options you can add multiple records, beginning and ending with the numbers you indicate. *Do not create a large number of records for later use -- they may slow down the system.*

Click CANCEL to exit without adding a record. Once you add the department number to the database the department record will be displayed.

To delete a specific department, use the menu option EDIT - FIND RECORD to display the department record and click on the menu item labeled EDIT - DELETE CURRENT RECORD. You will be prompted to confirm the deletion by clicking YES. Click NO if you do not wish to delete

this record. You must also TRANSMIT UPDATES TO AFC to complete the deletion process.

Department / Account

This is the department or account number attached to the information currently displayed.

Totalizer

The value is this box represents the total amount of fuel used by drivers and vehicles belonging to this department. You may view, modify or reset this value as needed. However, the new value is not transmitted to the AFC unless the TRANSMIT box is checked.

The range of values for the totalizer is 0 to 999,999.9. To change the totalizer value, click on the box labeled “Totalizer” and key in the appropriate value. To have the totalizer information sent to the AFC, click on the box labeled “Transmit”. A check will appear in the box indicating the totalizer information will be sent to the AFC when this record or all records are transmitted. *This information is not automatically transmitted from the AFC to the PC.* When a transaction is performed, you will need to transfer the data back to the PC to maintain the current values.

Discount

This field defines the pre-tax discount, in dollars and cents that the department receives on fuel. The range of values for dept. discount is 0.000 to 9.990. To change the dept. discount value, click on the box labeled “Discount” and key in the appropriate value.

Allocation On

This setting determines whether the department will be allocated a specified amount of fuel to use. If this feature is turned on, vehicles and drivers belonging to this department will not be allowed to fuel once they use up the allocated amount.

Check the Allocation On box to enable -- the department is then limited to the fuel specified in the allocation amount box.

Allocation Amount

This is the amount of fuel allocated to this department. Once reached, fueling is denied for all vehicles and drivers in this department.

The range of values for the allocation amount is 00000.00 to 99999.99. This may be in dollars or gallons depending on how the fuel is allocated. To change the allocation amount, click on the box labeled “Allocation Amount” and key in the appropriate value.

Allocation By

This setting determines how the allocated fuel is measured. Departments may be allocated fuel by a quantity or by a dollar amount. A value of “0” sets the allocation to whole gallons, while a value of “1” specifies whole dollars.

To change this setting, click the down-arrow next to the window labeled “Allocate By” A list will appear with the available settings. Click on the desired setting and it will appear in the box.

Expiration Date (MM/DD/YY)

This value sets the expiration date for this department. Any fueling attempts occurring after this date will not be allowed. To change the expiration date, click on the box labeled “Expiration Date” and key in the new date in MM/DD/YY format. If the date is specified as 00/00/00, the department will never expire.

Description

This field allows you to enter a description of the department, such as the warehouse, delivery or sales. The description is limited to 50 characters total; letters and or numbers are allowed for this entry. To input the description, click the box labeled “Description” and enter the appropriate text.

Fuel Types Table

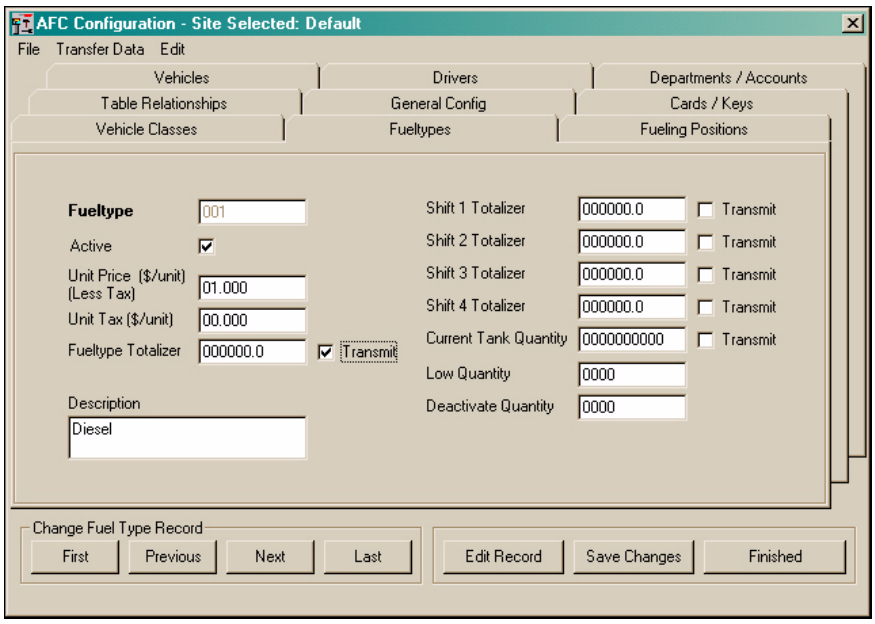


Figure 23: AFC CONFIGURATION - Fuel Types

Use the Fuel Types Table (*Figure 23* on *page 50*) to enter information about fuel types -price per whole unit of measure, total amount of fuel dispensed, and more. You may also search for, add or delete specific fuel types.

To locate a specific fuel type, select **Edit** > **Find Record**. You will be prompted for the fuel type you wish to find -- type in the fuel type number and click OK. Click CANCEL to abort the search. If the fuel type number does not exist, a message will advise you the fuel type number was not found.

To add a fuel type, select **Edit** > **Insert New Record**. You will be prompted for the fuel type number you wish to insert - type the fuel type number and click OK. Fuel type numbers can be from 01 to 16. If the fuel type number you are adding already exists, you will be warned and prompted to enter another.

In the INSERT NEW RECORDS(S) options you can add multiple records, beginning and ending with the numbers you indicate. *Do not create a large number of records for later use -- they may slow down the system.*

Click CANCEL to exit without adding a record. Once you add the number to the database the fuel type record will be displayed.

To delete a specific fuel type, first select **Edit** > **Find Record** to display the fuel type, then choose **Edit** > **Delete Current Record**. You will be prompted to confirm the deletion by clicking YES. Click NO if you do not wish to delete this record. You must also TRANSMIT UPDATES TO AFC to complete the deletion process.

Fueltype

This is the fuel type number attached to the information currently displayed on this form.

Active

Is this fuel type active or not?

You cannot obtain fuel from an inactive type position. This feature is useful if you want to disable a specific fuel type during certain times of the year or while the tank is being filled or serviced. To make a fuel type active, check the **Active** check box.

This can be set to not active by the deactivate quantity.

Unit Price (Less Tax)

This is the price per unit of fuel.

Fuel pricing are used by fueling sites that are dispensing fuel in a retail environment or budgeting fuel by a monetary amount. This price should not include any per-unit taxes; there is a separate field for taxes per unit. The

range of values for the unit price is 00.000 to 65.535. This may be expressed as dollars or other currencies in the price format. To change the unit price, click on the box labeled “Unit Price” and key in the appropriate value.

Unit Tax

This is the fuel excise tax in whole units. Fuel taxes are used by fueling sites that are dispensing fuel in a retail environment or budgeting fuel by a monetary amount. This value is any per-unit taxes; it is not used for sales tax that is calculated on a per-dollar basis. If the vehicle class used is set to non-taxable, then this tax field is not added to the sale price of the fuel.

- Unit Tax range: **00.000** to **65.535**.

This may be in dollars or other currencies fitting the price format. To change, click inside the **Unit Tax** field and enter a new value.

Fueltype Totalizer

The total amount of fuel used of this fuel type. You may view, modify or reset this value as needed. However, the new value is not transmitted to the AFC unless the TRANSMIT box is checked.

- Product Type Totalizer range: **0** to **999,999.9**.

To change the totalizer value, click inside the **Totalizer** field and enter a new value. To have the totalizer information sent to the AFC, check the **Transmit** box too.

Description

A description of the fuel type, such as the type (gasoline) and grade (super). The description is limited to 50 characters total; letters and or numbers are allowed for this entry. To input the description, click the box labeled “Description” and enter the appropriate text.

Shift 1, 2, 3, and 4 Totalizers

This is the total amount of fuel used of this fuel type for shift 1. You may view, modify or reset this value as needed. However, the new value is not transmitted to the AFC unless the TRANSMIT box is checked.

- Shift Totalizer range: **0** to **999,999.9**.

To change the totalizer value, click inside the Shift 1 Totalizer field and enter a new value. To have the totalizer information sent to the Shift AFC, check the **Transmit** box.

This information is not automatically transmitted from the AFC to the PC. When a transaction is performed, you must transfer data back to the PC to maintain the current values.

Current Tank Quantity

The current tank level in whole units for this fuel type. You may view, modify or reset this value as needed. However, the new value is not transmitted to the AFC unless the TRANSMIT box is checked.

When the AFC is initially installed, gauge the tanks and record their current levels here for the appropriate fuel type. As fuel is used, this value will decrease by the amount of product dispensed.

When the tanks are filled, you must manually update this value by either gauging the tank and entering a new tank level figure or by adding the amount of fuel delivered to the current tank level and adjusting the value accordingly.

- Current tank level value range: **0** to **4,294,967,295**.

To change the value, click inside **Current Tank Level** and enter a new value.

To have level information sent to the AFC, check the **Transmit** box. *Note that this information is not automatically transmitted from the AFC to the PC.* When a transaction is performed, you will need to transfer the data back to the PC to maintain the current values.

Low Quantity

This is how low a tank's fuel level must be before a warning message is sent advising you to order fuel.

This value is in whole units. When the level reaches this value, a message will be displayed on the AFC display and printed on the printer warning you the fuel level for this tank is low.

- Low-level range: **0000** to **9999**.

To change the low-level value, click inside the **Low Level** field and enter a new value.

Deactivate Quantity

This is how low the fuel level in the tank must be before fueling is deactivated at this position.

This value is in whole units. Once the fuel level for this fuel type reaches this value, a message will be displayed on the AFC display and printed on the printer warning you this fuel type has been deactivated.

- Deactivate level range: **0000** to **9999**.

To change the low-level value, click inside the **Deactivate Level** field and enter a new value.

Fueling Positions Table

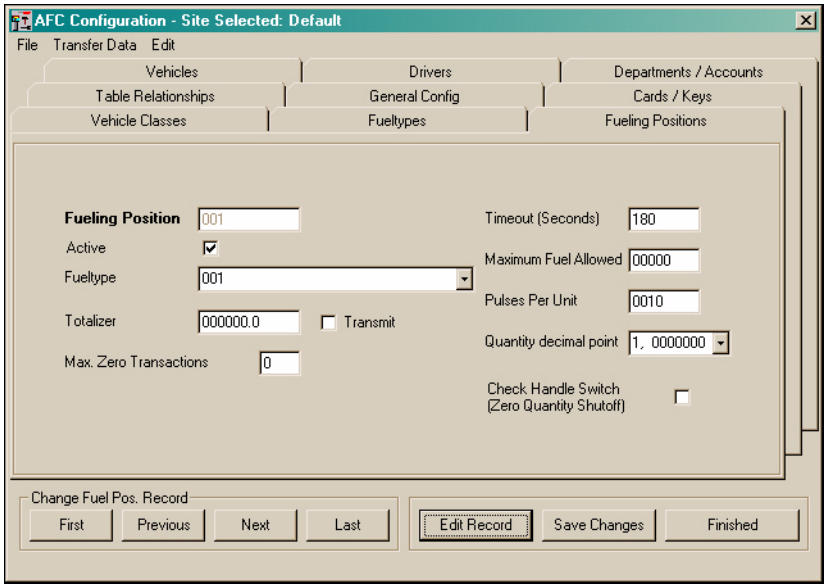


Figure 24: AFC CONFIGURATION - Fueling Positions

The Fueling Positions Table (*Figure 24*) lets you enter fuel type, maximum amount of fuel that can be dispensed during a transaction, and more. You may also search for, add or delete specific fueling positions.

Any changes made on this form are not transmitted to the AFC until the TRANSFER DATA menu item is clicked and either the selected record or table item is clicked. The FINISH button stores all of the information on the PC, but none of the changes are transmitted to the AFC.

To locate a fueling position, select **Edit** > **Find Record**. You will be prompted for the fueling position you wish to find. Type in the position number, and click OK. Click CANCEL to abort the search. If the fueling position number does not exist, a message will advise you the position was not found.

To add a specific fueling position, select **Edit** > **Insert New Record**. You will be prompted for the fueling position number you wish to insert. Type in the number, and click OK. Fueling position numbers can be from 1 to 8. If the fueling position number you are adding already exists, you will be warned and prompted to enter another.

In the INSERT NEW RECORDS(S) options you can add multiple records, beginning and ending with the numbers you indicate. *Do not create a large number of records for later use -- they may slow down the system.*

Click CANCEL to exit without adding a record. Once you add the number to the database the record will be displayed.

To delete a specific fuel position, first select **Edit** > **Find Record** to display the fuel position record, then choose **Edit** > **Delete Current Record**. You will be prompted to confirm the deletion by clicking YES. Click NO if you do not wish to delete this record. You must also TRANSMIT UPDATES TO AFC to complete the deletion process.

Fueling Position

This is the fueling position number attached to the information currently displayed on this form.

Active

This setting determines whether this fueling position is active. *You CANNOT get fuel from an inactive position*. This feature is useful if you want to disable a specific hose, pump or dispenser for any reason. To make a fueling position active, click on the box labeled “Active”. A check will appear in the box indicating the fueling position is active.

Fueltype

Sets the fuel type for this particular fueling position, which should be one of the fuel types defined in the FUELTYPE tab, and this particular fueling position has to draw its fuel from the tank related to this fuel type.

- Fuel type range: **1** to **16**.

To change the fuel type, use the pull-down menu.

Totalizer

The total amount of fuel dispensed from this fueling position. You can view, modify or reset this value as needed. However, the new value is not transmitted to the AFC unless the TRANSMIT box is checked.

- Totalizer range: **0** to **999,999.9**.

To change the value, simply click in the field and enter a new value. To have the totalizer information sent to the AFC, check the **Transmit** box.

Note

This information is not automatically transmitted from the AFC to the PC.

When a transaction is performed, you will need to transfer the data back to the PC to maintain the current values.

Max Zero Transactions

The number of consecutive transactions allowed to execute with zero quantity.

If a pulser fails on a mechanical dispenser, transaction quantities become zero. Max Zero Transactions deactivates the fueling position after detecting the required number (from 1 to 9) of zero quantity transactions.

Set to 0 to disable the option and allow fueling no matter how many zero quantity transactions are detected.

Timeout (Seconds)

How long the fueling position can be activated without dispensing fuel.

If the AFC does not detect any fuel being dispensed, it waits the specified number of seconds and then turn the power off to this fueling position. This prevents a large amount of fuel from being dispensed if pulses are not being received from this fueling position or if the fueling position is authorized and not used.

- Timeout range: **001** to **240** seconds (four minutes).

Set to the smallest value needed, typically 120 seconds (two minutes) or less. To change the timeout value, click inside the **Timeout** field and enter a new value.

Maximum Fuel Allowed

This setting determines the maximum amount of fuel in whole units that may be dispensed in one transaction from this fueling position. This value should be adjusted according to the typical fuel requirements for the vehicles that will be fueled from this position.

- Maximum Fuel range: **0** to **9,999** units.

To change this setting, click inside **Maximum Fuel Allowed** and enter a new value.

Pulses Per Unit

The number of pulses from the pulser per unit of fuel supplied from this fueling position. Adjust for the type of pulser used.

If your pulser outputs 10 pulses-per-gallon, set to 10. A 100:1 pulser would use a setting of 100, and a 1:1 pulser would be set to 1.

- Pulses Per Unit range: **0001** to **9999** units.

To change this setting, click on the box labeled “Pulses Per Unit” and key in the appropriate value.

Quantity Decimal Point

Sets the decimal place (no decimal, 1, 2 or 3) for the displayed fuel quantity. *The decimal setting depends on pulser ratio* -- choose the correct decimal place from the dropdown as shown in the table below.

For example, if your pulser generates 100 pulses for each gallon of fuel (a ratio of 100:1), choose the **2, 0000000.00** setting.

Pulser Ratio	Pulse Frequency	Choose this from Quantity Decimal Point dropdown:
1:1	Pulse for each unit	0, 000000000
10:1	Pulse for each 1/10th unit	1, 00000000.0
100:1	Pulse for each 1/100th unit	2, 0000000.00
1000:1	Pulse for each 1/1000th unit	3, 000000.000

IMPORTANT

Failure to match the proper decimal point with pulser ratio as shown above will generate inaccurate transaction quantities.

Check Handle Switch (Zero Quantity Shutoff)

Specifies if this fueling position will be authorized with pump handle left in ON position.

In the event the pump handle was left on with the nozzle open, activating the fueling position could cause a fuel spill. To activate this feature, click on the check box marked Zero quantity shutoff. A check mark will appear, indicating that it is active and the fueling position will shut off if the handle is left on from the previous fueling.

Transactions

Downloading AFC Transactions

Aside from configuring the AFC, the AFC Administrator program lets you download, view and process transactions from the AFC.

See *Figure 25*. Select a site and select **Transactions** > **Download** from the AFC Administrator main screen (gas station). Click **Begin Transfer** -- the AFC Administrator program automatically connects to the AFC and downloads any new transactions that have occurred since the last download.

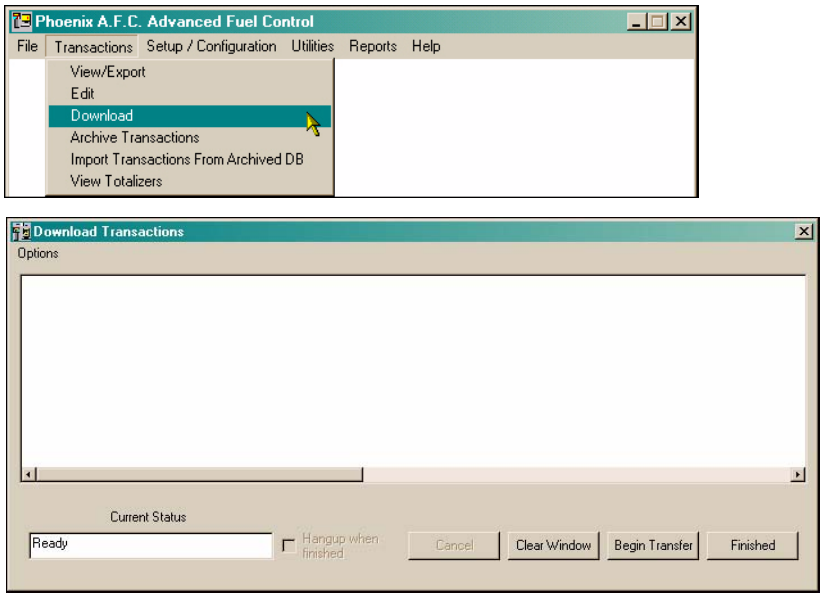


Figure 25: AFC Downloading

Sometimes you will want to view commands and responses being transmitted to and from the AFC. Or it may be necessary to re-download transactions that were retrieved previously. The following section details the downloading options available.

These options may be used separately or together.

Downloading All Transactions

Normal downloading involves requesting the AFC to transmit new transactions to the PC. The AFC automatically keeps track of what transactions have been downloaded and will only transmit new transactions. It is sometimes necessary to download all of the transactions from the AFC into the PC. To do this, perform the following steps:

1. From the AFC Administrator main screen (the gas station), select **Utilities** > **Select Site**. Click on the name of the site you wish to download and click FINISHED.
2. Select **Transactions** > **Download** from the AFC Administrator main screen. If you are communicating from the PC to the AFC via modem, the dialing window will appear and the modem will dial out. Once connected, the DOWNLOAD TRANSACTIONS window will be displayed. If you are connecting direct to the AFC using a serial cable, the DOWNLOAD TRANSACTIONS window will appear immediately.
3. Select **Transactions > Download > Options > Download Entire**.... This will tell the AFC to transmit all of the transactions it has stored in memory.

Figure 26: AFC Downloading Transactions Part 3

4. Click BEGIN TRANSFER to download the entire AFC memory.
5. When the download is complete, click FINISHED to return to the AFC Administrator main screen.

Viewing Communication Details

Sometimes you'll want to view commands going back and forth between the PC and the AFC during the download process. To do this:

1. From the main menu select **Utilities** > **Select Site.** Click on the name of the site you wish to download and click FINISHED.
2. Select **Transactions** > **Download**. If you are communicating from the PC to the AFC via modem, the dialing window will appear and the modem will dial out. Once connected, the DOWNLOAD TRANSACTIONS window will be displayed. If you are connecting direct to the AFC using a serial cable, the DOWNLOAD TRANSACTIONS window will appear immediately.

3. In the DOWNLOAD TRANSACTIONS window, select **Options** > **Show Comm Details**. This will tell the AFC Administrator program to show you the commands being transmitted to and from the AFC during the download process.
4. Click BEGIN TRANSFER to download transactions from the AFC. As the download progresses, you will see various commands issued by the AFC Administrator program followed by responses from the AFC.
5. When the download is complete, click FINISHED to return to the AFC Administrator main screen

Editing AFC Transactions

The AFC Administrator program includes a transaction editing function to allow you to add, modify or delete fuel transactions.

Caution

Please read this entire section before attempting to use any part of this feature.This utility is very powerful and should not be used unless you fully understand the consequences. If you make a mistake and save or delete the record, there is no way to undo the error except for re-entering the correct data.

The AFC Administrator does not recalculate total sale, miles per gallon or cost per mile when you change the odometer reading, fuel quantity, price per unit or total sale. These items are not computed by the AFC Administrator software -- they are calculated by the AFC at the time the transaction is performed. You must manually recalculate and enter these items if you want them to be correct.

Modifying a Transaction

To modify an existing transaction, perform the following steps:

1. From the AFC Administrator main screen (gas station), select **Transactions** > **Edit**. This will take you to the EDIT TRANSACTION window (*Figure 28* on *page 62*).

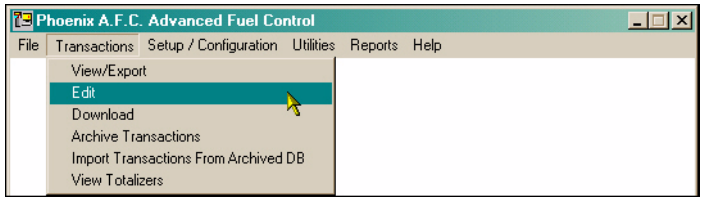


Figure 27: AFC Transaction Modification

To find a particular record, you may step through the transactions manually using the FIRST, PREVIOUS, NEXT and LAST buttons.

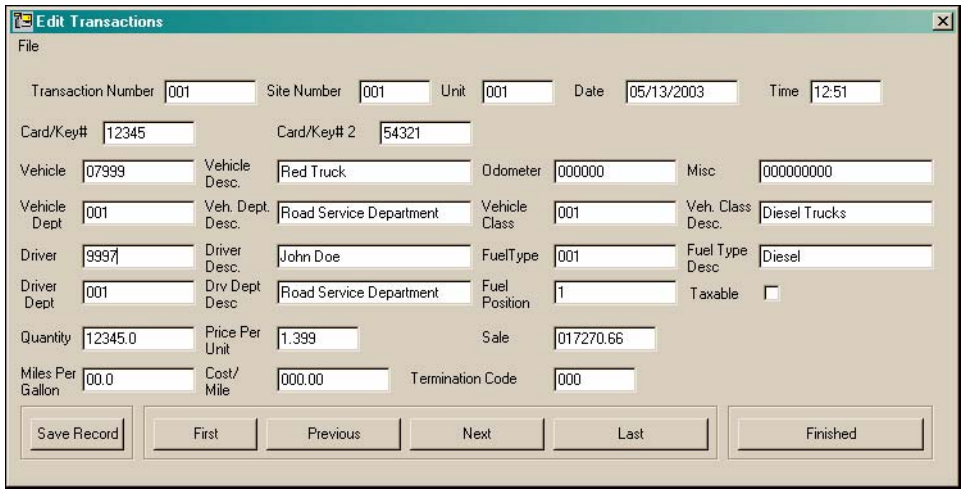


Figure 28: AFC Editing a Transaction

To search for a particular transaction by transaction number, site number, unit number, date or time, select **File** > **Find First**. In the FIND A TRANSACTION window (*Figure 29*), enter the item you want to search for in the appropriate field.

If you want to narrow the search, you may enter two or more items and the search will only return transactions which meet all the specified criteria.

If you search for a transaction that does not exist, you'll see **`Transaction Record Not Found`**. Click OK to clear the message and return to the EDIT TRANSACTION window. If you are trying to locate a transaction using two or more search criteria, you need to broaden the search by using fewer search items.

If you searched and found a matching transaction and want to locate another transaction that matches the search defined above, select **File** > **Find Next**. This will search for the next transaction meeting the criteria.

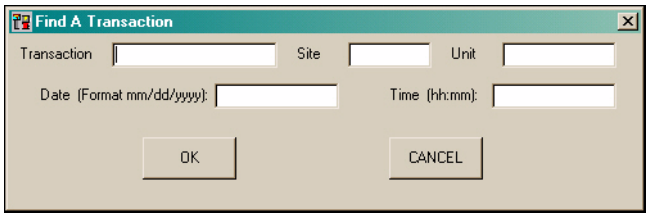


Figure 29: AFC "Find transaction" Window

Once the transaction you wish to modify is found, it will be displayed in the EDIT TRANSACTION window.

Change any or all items for this transaction, then click the SAVE RECORD button to save the modified transaction -- click the FIRST, PREVIOUS, NEXT or LAST button to move to another record without saving the changes.

Search for and/or modify other transactions, or click FINISHED to return to the AFC Administrator main menu.

If you modify a transaction and it has the same transaction number, site number, unit number, date and time as another transaction, the system will tell you **`Error in Updating Table -- Function Cancelled`**. Click OK to clear the error message. The transaction will not be modified -- the program will return you to the EDIT TRANSACTION window.

Deleting a Transaction

From the AFC Administrator main screen (gas station), select **Transactions** > **Edit**. This will take you to the EDIT TRANSACTION window.

To find a particular record, you may step through the transactions manually using the FIRST, PREVIOUS, NEXT and LAST button.

To search for a particular transaction by transaction number, site number, unit number, date or time, click FILE and FIND FIRST. In the FIND A TRANSACTION window, enter the item you want to search for in the appropriate field. If you want to narrow the search, you may enter two or more items and the search will return only transactions which meet the specified criteria.

- If you search for a transaction that does not exist, you'll see **`Transaction Record Not Found`**. Click OK to clear and return to the EDIT TRANSACTION window.
- If searching for a transaction using two or more search criteria, broaden the search by using fewer search items.
- To search for another transaction that matches the search defined above, select **File** > **Find Next** to look for the next matching transaction.
- Once the transaction you wish to modify is found, it will be displayed in the EDIT TRANSACTION window.
- To delete the transaction, click **File** > **Delete Current Record**. A message will appear asking **`Do You Want To Delete The Current Record`**. Click YES to delete the record -- click NO if you do not wish to delete the record.

Once you have deleted the record, you may search for and delete other transactions or click FINISHED to return to the AFC Administrator main menu.

Adding a Transaction

1. From the AFC Administrator main screen (gas station), select **Transaction** > **Edit** to take you to the EDIT TRANSACTION window.
2. **To add a record**, click FILE and INSERT NEW RECORD. A blank record will be displayed in the EDIT TRANSACTION window.
3. Fill in the appropriate fields with the information pertaining to this transaction. You must fill in all of the blanks except the six description fields.
4. After you complete your entries, click the SAVE RECORD button to save the added transaction. To exit without adding a transaction, click FINISHED.

If you try to add a transaction with the same transaction number, site number, unit number, date and time as an existing transaction, the system will tell you **`Error in Updating Table -- Function Cancelled`**. Click OK to clear the error message. This transaction will not be added -- the program will return you to the EDIT TRANSACTION window.

To exit the EDIT TRANSACTION window and return to the AFC Administrator main menu, click FINISHED.

Reporting AFC Transactions

This function lets you generate fuel usage reports organized by driver, vehicle, or department.

To view or print any of the reports, click the REPORTS icon or click REPORTS on the main windows to open the AFC - REPORTS SELECTION (*Figure 30*) form..

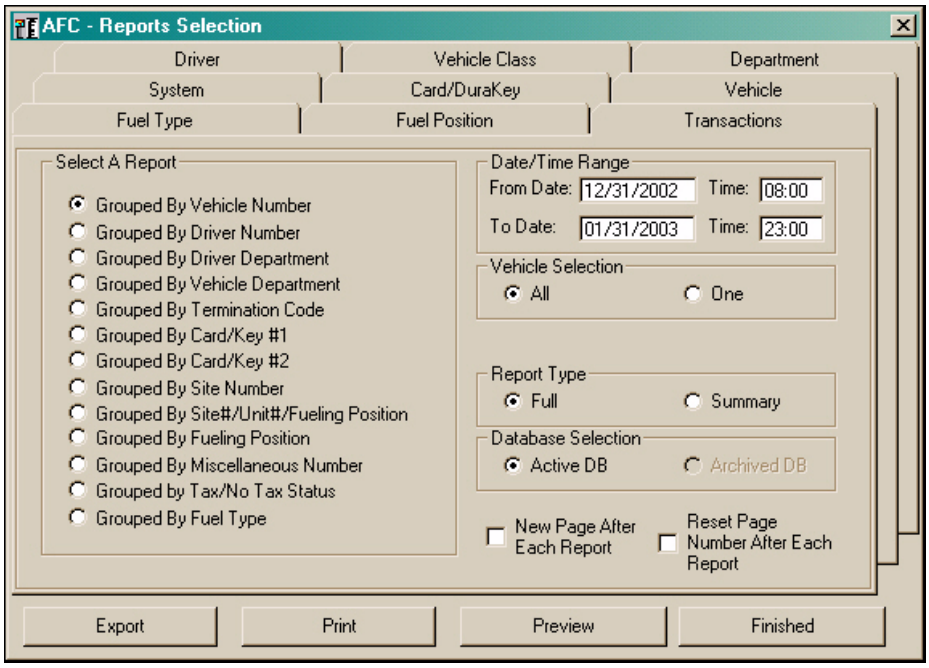


Figure 30: Report Selector Form

Each tab contains a list of reports. Click a tab for more options. Choose a report, then enter any appropriate information.

To exit the reports section without running any reports, click **Finished**.

Date Ranges -- In the Date/Time Range part of the right side of the TRANSACTION tab, input the desired starting date in MM/DD/YYYY format. Press TAB to jump to start time, end time and end date.

More Options -- After specifying time and date, select any other options pertaining to the particular report you want. Then, click the PREVIEW button to view how the report will look. *As the software prepares the report, you'll see a blank "white page" for a few seconds. This is normal.*

Adjust Report for Best Viewing -- The REPORT PREVIEW BUTTONS window (*Figure 31* on *page 66*) appears. You can adjust the view size of the report, from 50 percent to 400 percent, with the **Zoom %** scroll bar. You can move between pages of the report, print or export the report to another program with the other buttons. To hide the REPORT PREVIEW BUT-

TONS window, click on the report. To view the window again, click on the associated button on the Windows tool bar.

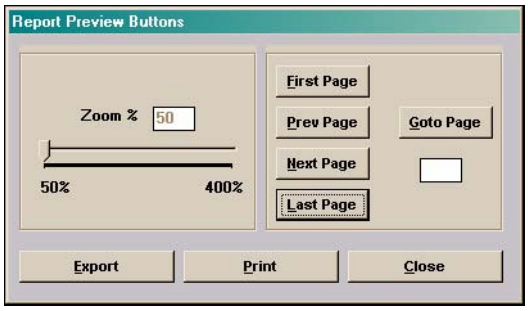


Figure 31: Report Preview Form

Close the Viewing Box -- click CLOSE in the the REPORT PREVIEW BUTTONS window, or click on the X in the upper right corner of the AFC REPORTS PREVIEW window.

Resizing the REPORTS PREVIEW Window -- position the mouse pointer on the edge of the window. When you see a double-headed arrow, make the window smaller or larger by pressing and holding the left mouse button while moving ("dragging") the mouse. **Maximize the window by** clicking the small box-shaped icon in the upper-right corner of the window.

To scroll the report -- Use the scroll-bar on the right side of the window. At the top of the scroll bar is an upward-pointing arrow, at the bottom, a downward pointing arrow. Position the mouse pointer over one of the arrows and click and hold the mouse button to scroll up or down the page. This allows you view the whole page when the whole document will not fit on the screen.

If the report has been resized and the form is wider than the viewable area of the window, a scroll bar will appear at the bottom of the form. This scroll bar works the same way as the scroll bar on the right of the form, except it allows you to view both sides of the document when it is too wide to fit on the screen.

Sample Reports

Examples of each report follow. Typical information contained in the reports is the transaction number and the vehicles, drivers, departments, or other categories associated with those transactions.

Some reports have no data, but you can preview and print a report even if no drivers, vehicles, or other items apply to that category. The report headings still appear, to give an idea of what the report will be about

Exporting AFC Transactions

The AFC Administrator can export transactions to a text file for import into another software package such as Microsoft Excel or Microsoft Access.

The EXPORT utility lets you:

- Select transactions to export individually,
- Select transactions by date range
- Define fields you wish to export
- Select what order the fields are exported in.

You can also set how the fields are separated, and how may transactions you wish to include on each line of text.

Only previously downloaded transactions may be exported. Transactions that have not been downloaded from the AFC, or those downloaded and archived, are not available for export.

If you need to export transactions not already in the transaction database on the PC, you must download the transactions from the AFC and/or un-archive any archived transactions before trying to export them.

All changes to the EXPORT utility, with the exception of any changes to the order the columns are in, will be saved when you exit the EXPORT utility. You must specifically save the column order by using GRID OPTIONS menu item.

Running the EXPORT Utility

To run the EXPORT utility, select **Transactions** > **View/Expor**t from the main menu as seen in *Figure 32* to go to the AFC - VIEW / EXPORT TRANSACTIONS screen.

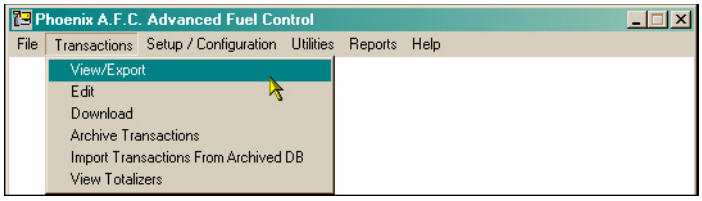


Figure 32: AFC View/Export Selection

Selecting Fields to Export

The EXPORT utility allows you to select which fields you wish to export. In addition to the items normally included on the transaction, you may

choose to include descriptions previously defined for vehicles, vehicle departments, vehicle classes, drivers, driver departments, and fuel types. The EXPORT utility also allows to de-select fields which you do not want to export.

Before selecting or de-selecting any fields, confirm what fields are expected by the program you are importing the data into -- consult the software documentation or the manufacturer for additional information.

To select or de-select a field, do the following:

1. In the upper right corner of the AFC - VIEW / EXPORT TRANSACTIONS window you will find three icons -- a dash, a box and an X. Click the box icon to maximize the window and fill the screen.
2. The field descriptions are located at the top of the screen. Descriptions with a line through them will not be exported - those which do not have a line through them will be exported.
3. Using the scroll bar at the bottom of the AFC - VIEW / EXPORT TRANSACTIONS window, scroll left or right until you find the field you wish to include or exclude.
4. Right-click on the field name you with to include or exclude. A format window will appear containing information about the field.

- To ***include*** a field for export, make sure there is a check mark in the box labeled EXPORT <field name>. If there is no check mark in the box and you wish to export this field, click the check mark box to insert a check mark.
- To ***exclude*** a field for export, make sure there is not a check mark in the box labeled EXPORT <field name>. If there is a check mark in the box and you do not wish to export this field, click the check mark box to remove the check mark.

Field Export Options

Within the EXPORT <field name> window (*Figure 33* on *page 69*), you may notice certain fields will have other options. These options vary according to the field, and not all are available for each field -- if the option is grayed-out, it is not available for this field.

Before changing any of these settings, confirm what the program expects you are importing the data into -- consult the software documentation or the manufacturer for additional information.

Note

On-screen data does not change when these settings are changed -- the settings only affect the exported data.

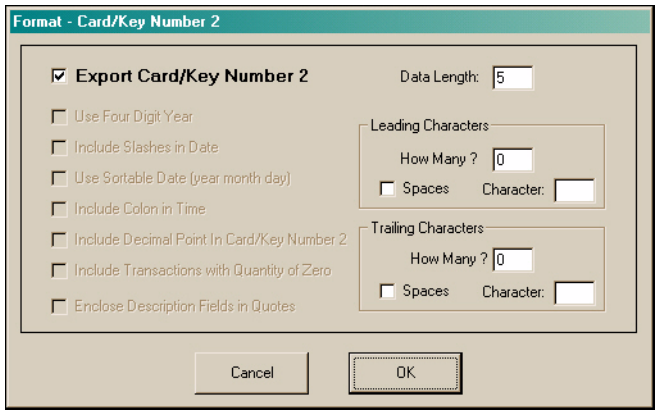


Figure 33: AFC Field Export Options

USE FOUR DIGIT YEAR

Date is exported as a four-digit year rather than 2 digits. If this box is not checked, the year 1999 would be displayed as 99, and the year 2000 would be displayed as 00. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

INCLUDE SLASHES IN DATE

Date is exported with the slash '/' character between the month, day and year. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

USE SORTABLE DATE

Date is exported in year, month, and day format. This format makes it easier for some software to sort the transactions by date. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

INCLUDE COLON IN TIME

Time is exported with the colon ':' character between the hours and minutes. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

INCLUDE DECIMAL POINT IN QUANTITY

Fuel quantity is exported with the included decimal point. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

INCLUDE DECIMAL POINT IN SALE

This allows the total sale to be exported with the included decimal point. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

INCLUDE DECIMAL POINT IN PRICE PER UNIT

This allows the fuel price per unit to be exported with the included decimal point. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

INCLUDE DECIMAL POINT IN MILES PER GALLON

This allows the miles per gallon calculation to be exported with the included decimal point. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

INCLUDE DECIMAL POINT IN COST PER MILE

This allows the cost per mile calculation to be exported with the included decimal point. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

INCLUDE TRANSACTIONS WITH QUANTITY OF ZERO

This allows transactions with a fuel quantity of zero to be exported. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

DO NOT ENCLOSE DESCRIPTION FIELD IN QUOTES

This allows the descriptions to be exported with the description in quotes. This option is selected if a check mark is in the box next to the description -- to select or deselect this option, click in the box.

DATA LENGTH

This determines how many characters in length the field will be when exported. This option is changed by clicking in the DATA LENGTH box and typing in the desired length, from 1-99 characters.

LEADING CHARACTERS

This determines how many extra characters will be inserted before the characters contained in the field -- it also determines what character will be inserted.

The number of leading characters is changed by clicking in the HOW MANY box and typing in the desired length, from 1-99 characters.

To make the leading character(s) a space, click on the SPACES box to place a check mark in it. To use another character, click in the CHARACTER box and type in the character you wish to use.

TRAILING CHARACTERS

This determines how many extra characters will be inserted after the characters contained in the field -- it also determines what character will be inserted.

The number of trailing characters is changed by clicking in the HOW MANY box and typing in the desired length, from 1-99 characters.

To make the trailing character(s) a space, click on the SPACES box to place a check mark in it. To use another character, click in the CHARACTER box and type in the character you wish to use.

Rearranging Field Export Order

If needed, you may rearrange the order the columns of data to match the input requirements of another program. However, the EXPORT utility does not automatically save the revised order when you exit -- you must specifically save the column order by using SAVE CURRENT COLUMN LAYOUT in the GRID OPTIONS menu.

To change the column order, do the following:

1. In the upper right corner of the AFC - VIEW / EXPORT TRANSACTIONS window you will find three icons -- a dash, a box and an X. If you have not already done so previously, click the box icon to maximize the window and fill the screen.
2. The column descriptions are located at the top of the screen. Descriptions with a line through them will not be exported -- those which do not have a line through them will be exported.
3. Using the scroll bar at the bottom of the AFC - VIEW / EXPORT TRANSACTIONS window, scroll left or right until you find the column you wish to move.
4. Position the mouse pointer on the heading of the column you wish to move. Click and hold the left mouse button -- the pointer should change to <-MOVE->.

5. While holding down the left mouse button, drag the mouse pointer left or right until you find the place you want to move the column to.

- If you are moving a column to the left, the column will be inserted to the left of the column where the mouse pointer is positioned. If you are moving a column to the right, the column will be inserted to the right of the column where the mouse pointer is positioned.

6. Release the mouse button to insert the column in its new location.

- If you want to move the column to a position currently off the screen, you will have to move it to the edge of the screen, position it there, then scroll over and click / move it the rest of the way.

7. After releasing the mouse button, the system will advise you “This will change the layout of the Export file. Are you sure you want to move this column?” Click YES to leave the column in its new position -- click NO to restore it to the original location.

Grid Options

The GRID OPTIONS menu allows you to select how the transactions are sorted, as well as saving the new column layout or restoring the default column layout. To access the GRID OPTIONS menu see *Figure 34* on *page 73* click the OPTIONS menu item in the upper left corner of the screen and select GRID OPTIONS.

The GRID OPTIONS are as follows:

SORT ORDER

This setting determines how the transactions are ordered with respect to whatever field is in the left most column. If the left most column is the transaction number, all of the transactions will be sorted by transaction number. If the left most column is the transaction date, all of the transactions will be sorted by transaction date.

To sort from smallest to largest number, or oldest to newest date, click OPTIONS, GRID OPTIONS, SORT ORDER and ASCENDING. To sort

from largest to smallest number or newest to oldest date, click OPTIONS, GRID OPTIONS, SORT ORDER and DESCENDING.

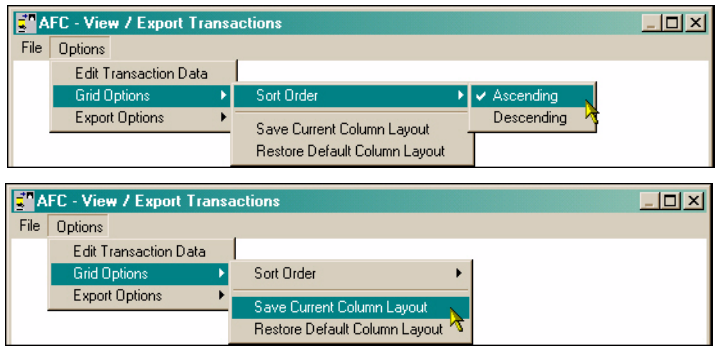


Figure 34: Grid Options Options

SAVE CURRENT COLUMN LAYOUT

This setting allows you to save the revised column arrangement. To save the current column layout, select **Options** > **Grid Options** > **Save Current Column Layout**.

RESTORE DEFAULT COLUMN LAYOUT

This setting allows you to reset the column arrangement back to the factory default.

To revert back to the default column layout, select **Options** > **Grid Options** > **Restore Default Column Layout**.. Keep in mind there is no undo feature on this item -- once you have restored the column layout, you must manually reconfigure any items that were set different from the default values.

Export Options

These let you choose formatting of exported transactions. Column separation, how many transactions on each line, whether or not the column headings will be included in the export file, and view options for the contents of the export file after it is generated.

Before changing any of these settings, verify the data input requirements of the program you will be importing the data into. The software manufacturer should be able to provide you with information on what input data format is expected.

To access the EXPORT OPTIONS menu, select **Options** > **Export Options**. The EXPORT OPTIONS are as follows:

DELIMITER

This setting determines what character, if any, is used to separate the individual fields on each transaction. In most cases, a space or comma is used. DELIMITERS include COMMA, SEMICOLON, ASTERISK, SPACE, TAB and NONE.

Select **Options** > **Export Options** > **Delimiter** and choose your character from the list.

TRANSACTIONS PER LINE

This setting determines how many transactions are included on one line in the export file. In most cases, this setting is one transaction per line. TRANSACTIONS PER LINE may be set to 1, 2, 3, 4 or 5.

Select **Options** > **Export Options** > **Transactions Per Line** and choose your number from the list.

INCLUDE COLUMN HEADINGS

This setting determines whether or not the exported information will include headings for each column of data.

To include the column headings in the exported file, click OPTIONS, EXPORT OPTIONS and INCLUDE COLUMN HEADINGS. This will place a check mark next to INCLUDE COLUMN HEADINGS. To exclude the column headings, perform the same steps to remove the check mark.

VIEW AFTER EXPORT

This setting determines whether or not the EXPORT utility will open the exported file and let you view the contents after the transactions are exported.

To view the contents of the exported file after it is created, click OPTIONS, EXPORT OPTIONS and VIEW AFTER EXPORT. This will place a check mark next to VIEW AFTER EXPORT. To turn this feature off, perform the same steps to remove the check mark.

RESTORE ALL DEFAULT SETTINGS

This item will restore all of the user-configurable settings in the EXPORT utility back to the default settings. There is no undo feature for this item -- once you have restored the default settings you must manually reconfigure any items that were set different from the default values.

To restore the default settings,see *Figure 35* on *page 75*, and click OPTIONS, EXPORT OPTIONS and RESTORE ALL DEFAULT SETTINGS. Once all of the settings have been returned to their default values,

you will be returned to the AFC - VIEW / EXPORT TRANSACTIONS screen.

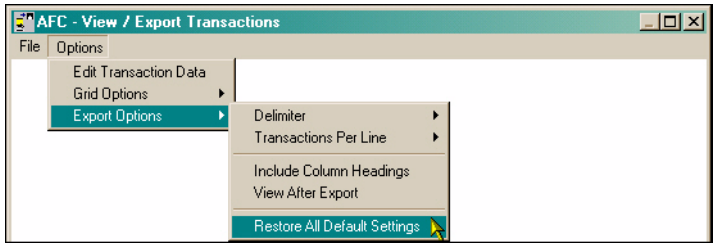


Figure 35: Restoring Default Export Settings

Selecting Transactions to Export

There are two ways to select which transactions you want to export, by manual selection and by date range. If you know the range of dates you wish to export, use the RANGE option. If you want to select specific transactions to export, use the SELECTION option.

SELECTION

This option **Figure 36*) allows you to manually select specific transactions to export. You may select one transaction, several individual transactions, or a group of transactions.

Any or all of these different methods detailed below may be used to select the transactions you wish to export.

Figure 36: Selecting Export SELECTION Mode

Single Transactions

To select a single transaction, position the mouse pointer over the transaction and click. This will highlight the transaction in blue. To de-select the transaction, click on it again.

Multiple Random Transactions

To select multiple non-contiguous transactions, position the mouse pointer over the first transaction and click. This will highlight the transaction in blue. Move the mouse pointer to the next transaction you wish to export,

press and hold the control (CTRL) key while clicking the mouse. This will highlight the second transaction in blue.

To select more transactions, used the mouse and control key again. To de-select a transaction, hold the control key while clicking on the transaction you wish to de-select.

Multiple Adjacent Transactions

To select a contiguous range of transactions, position the mouse pointer over the first transaction you wish to export, then click and hold the mouse button. While holding the mouse button down, move the mouse pointer up or down until it is positioned on the last transaction you wish to export. As you move the mouse, each transaction the pointer passes over should be highlighted in blue. When the last transaction is highlighted, release the mouse button. All of the transactions in the selection should be highlighted in blue.

Alternately, you may click on the first transaction you wish to export, move the mouse pointer to the last transaction you wish to export, press and hold the shift key, and click on the last transaction. This will highlight the first and last transaction, and every one between, in blue.

To de-select the whole range of transactions, click on any transaction -- this will de-select all transactions except the one you clicked on.

RANGE

This option (*Figure 37*) lets you select a range of transactions you wish to export by date. This feature is actually part of the EXPORT option, and is accessed by clicking the FILE menu item in the upper left corner of the screen and selecting EXPORT and RANGE.

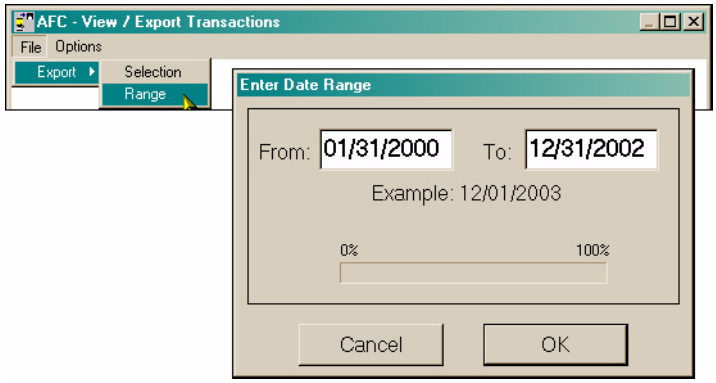


Figure 37: Entering a Date Range

Once you have clicked RANGE, the ENTER DATE RANGE window should be displayed. In the FROM box, type in the month, day and year of the oldest transaction you want to export. In the TO box, type in the month, day and year of the newest transaction you want to export. Be sure to enter a four-digit year.

Click OK to export all transactions on and between the two dates entered in the FROM and TO box. Click CANCEL to abort the export of these transactions.

Exporting the Transactions

SELECTION

If you have selected a list of transactions to export using the mouse, click the FILE menu item in the upper left corner of the screen and select EXPORT and SELECTION. The EXPORT TO… window will be displayed.

RANGE

If you are selecting transactions to export by date, click the FILE menu item in the upper left corner of the screen and selecting EXPORT and RANGE.

Once you have clicked RANGE, the ENTER DATE RANGE window should be displayed. In the FROM box, type in the month, day and year of the oldest transaction you want to export. In the TO box, type in the month, day and year of the newest transaction you want to export. Be sure to enter a four-digit year.

Click OK to export all transactions on and between the two dates entered in the FROM and TO box. Click CANCEL to abort the export of these transactions.

EXPORT TO

Once you have picked SELECTION or RANGE, the EXPORT TO… window (*Figure 38* on *page 78*) will be displayed. Navigate to the appropriate folder you wish to save the exported transactions to and enter the name of

the file you wish to create in the FILE NAME box. Click SAVE to export the transactions to the file, or CANCEL to abort the export process.

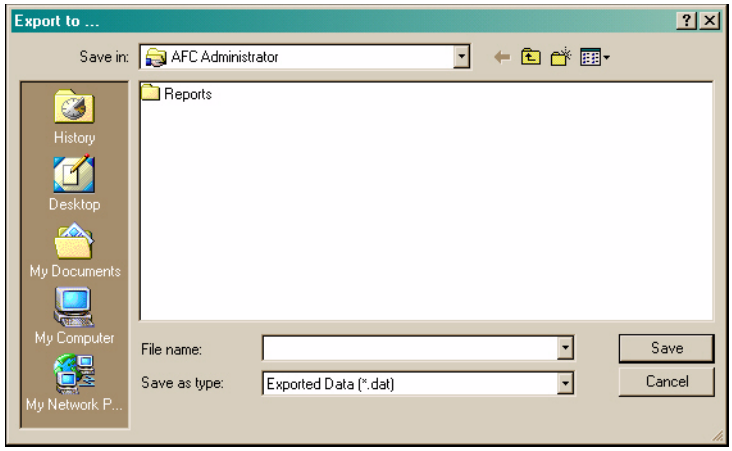


Figure 38: The "Export To" Form

Once the transactions have been exported you will be advised that the export was successful. Click OK to clear the message and return to the AFC - VIEW / EXPORT TRANSACTIONS screen.

If you chose to view the transactions after export, the NOTEPAD program will display the contents of the exported file. Select **File** > **Exit** in the NOTEPAD window to close NOTEPAD.

Exiting the EXPORT Utility

To exit the EXPORT utility, click the FINISHED button in the lower left corner of the AFC - VIEW / EXPORT TRANSACTIONS screen.

Archiving AFC Transactions

Transactions retrieved from the AFC go into a transaction database file on the PC. The database can store huge number of transactions, and the software can create reports no matter how large it becomes. But as the database grows, the time needed to generate reports increases dramatically.

Use the AFC archive utility to manage the size of the database and increase the speed at which reports are generated. This utility transfers older transactions from the active transaction database file to an archive database file.

You can easily move these archived transactions back to the active transaction database file if needed, or run reports from the archive database should you not wish to move the transactions back to the active database file.

How to Archive Transactions

From the AFC Administrator main screen, select **Transactions** > **Archive Transactions**. The ARCHIVE TRANSACTIONS window (*Figure 39*) appears, prompting you for a date.

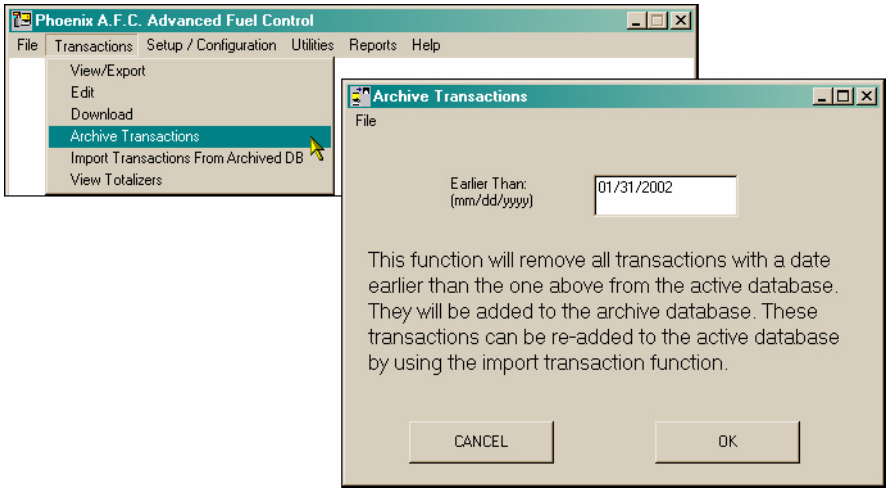


Figure 39: Archiving Transactions

This utility archives transactions occurring on or before a specified date. Enter the date in the EARLIER THAN box. Be sure to enter all four digits of the year. Click OK to begin the archive process.

- If the transaction database is empty or it contains no transactions on or before the date specified, the system will tell you **`There are No Records Satisfying Specified Condition To Archive`**. Click OK to return to the main AFC Administrator screen.
- If the archive utility finds any transactions dated on or before the specified date, it will tell you the total number of transactions that will be archived - Click YES to continue or NO to cancel the archive process.

Once the transactions have been archived, you will be returned to the AFC Administrator main screen.

Importing Archived Transactions

To import one or more transactions from the archive database file back into the active database file, do the following:

1. From the AFC Administrator main screen (gas station), select **Transactions** > **Import Transactions From Archived DB**. The IMPORT

TRANSACTIONS FROM ARCHIVED DB window (*Figure 40*) will appear and prompt you for a date.

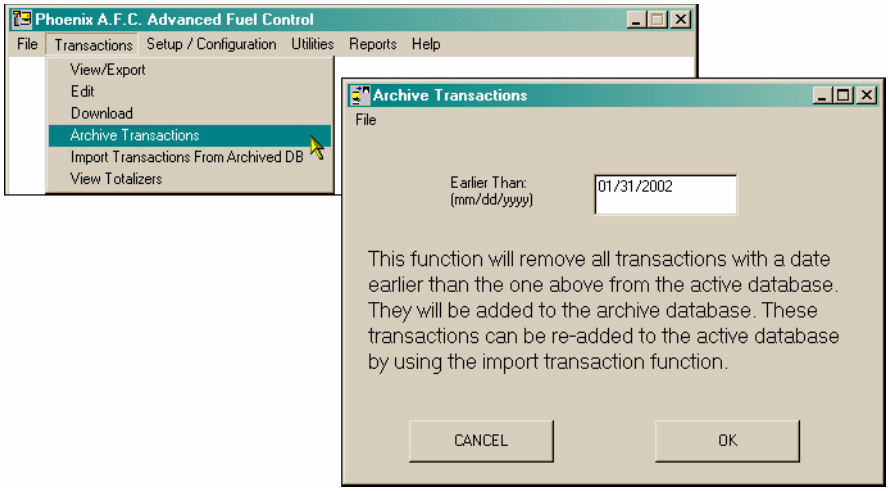


Figure 40: Defining Date Ranges for Archiving Transactions

The import utility lets you retrieve transactions occurring on or after a specified date. Determine the import date you wish to use and enter it in the DATE box. Be sure to enter all four digits of the year. Click OK to begin the import process.

An IMPORT TRANSACTIONS window will appear advising you of the date ranges for the active and archived transactions. Verify the dates and click YES to import the transactions -- click NO to cancel.

If archive database is empty or it contains no transactions on or after the date specified, the system will tell you There are No Records Satisfying Specified Condition In Archived DB. Click OK to return to the main AFC Administrator screen.

If the import utility finds any transactions dated on or after the specified date, it will tell you **`nn Records Will Be Imported Into Active DB. Do You Want To Continue?`** Click YES to archive the transactions -- click NO to cancel the archive process.

Once the transactions have been imported, you will be returned to the AFC Administrator main screen.

Running Reports On Archived Transactions

There are two ways to run reports on transactions that have been archived -- by importing them back into the active database, or by selecting to use the archive database in the AFC REPORTS SELECTION screen. You should only import the transactions back into the active database if you need to run a report that includes both active and archived transactions. To run a report on archived transactions without importing them back into the active database, do the following:

1. From the AFC ADMINISTRATOR main screen, click REPORTS. This will take you to the AFC REPORTS SELECTION screen.
2. Within the TRANSACTION tab, select the report, report type, date range and other options you want.
3. In the DATABASE SELECTION section, select ARCHIVED DB. This will tell the report program to use the archived transactions database file instead of the active transactions database file.
4. Click PREVIEW to view the report on the screen -- click PRINT to send the report to the printer.
5. Click EXPORT to send the report to a file, or click FINISHED to exit without running a report.

AFC Job Queue Utility

The AFC JOB QUEUE utility automates certain routine tasks -- transmitting updates, downloading transactions, archiving transactions, and repairing / compacting the configuration and transaction databases. Run job queue for any or all sites on hourly, daily or weekly basis.

IMPORTANT NOTE

The date and time setting on the PC must be correct, the AFC Administrator software must be running and the JOB QUEUE must be enabled in order for the JOB QUEUE utility to function correctly.

The COM port or modem that accesses the AFC must be available and functional. If the COM port or modem is being shared with other software, the job will not execute if the other program is using the COM port or modem when the JOB QUEUE program is trying to connect to the AFC.

Before configuring any jobs, familiarize yourself with jobtypes that can be scheduled, and the frequency at which jobs may be performed. The following describes the jobs that may be performed at specified intervals.

Job Names

TRANSMIT UPDATES

Transmits previously unsent additions, changes and corrections made in the AFC CONFIGURATION screen. As you make programming changes, the AFC Administrator program logs the changes in the UPDATES table. TRANSMIT UPDATES (in both the JOB QUEUE and AFC CONFIGURATION screen) looks at this update list and transmit these changes to the AFC. Once the changes are transmitted, the update list is cleared.

DOWLOAD TRANSACTIONS

Downloads all new transactions from the AFC to the PC. Any transactions performed since the last download are sent to the PC from the AFC.

EXPORT YESTERDAYS TRANSACTIONS

This function exports transactions from the previous day to a text file. The file is named **EXPORTmmddyyyy.TXT,** where mm is the numeric month, dd is the numeric day and yyyy is the 4-digit numeric year.

Example

If this function was performed on December 6, 2003, all transactions occurring on December 5th would be exported to a file called **EXPORT12052003.TXT**.

Note

This function only exports transactions from the previous day. It will not export transactions from days prior to the previous day.

DOWNLOAD ALL TABLES

Downloads all configuration tables from the AFC to the PC. As fueling transactions occur, some fields update on the AFC -- this function allows the PC to pull in and store these updated fields in the appropriate fields.

DOWNLOAD TABLE GEN CONFIG

Downloads only the GENERAL CONFIG table from the AFC to the PC. As fueling transactions occur, some fields update on the AFC -- this function allows the PC to read in and store these updated fields for this table.

DOWNLOAD TABLE CARD

Downloads only the CARDS/KEYS table from the AFC to the PC. As fueling transactions occur, some fields in this table update on the AFC -- this function allows the PC to read in and store these updated fields.

DOWNLOAD TABLE DEPARTMENT

Downloads only the DEPARTMENTS/ ACCOUNTS table from the AFC to the PC. As fueling transactions occur, some fields update on the AFC -- this function allows the PC to read in and store the updated fields.

DOWNLOAD TABLE DRIVER

Downloads the DRIVERS table from the AFC to the PC. As fueling transactions occur, some fields update on the AFC -- this function allows the PC to read in and store these updated fields for this table.

DOWNLOAD TABLE VEHICLE

This function downloads the VEHICLES table from the AFC to the PC. As fueling transactions occur, some fields in this table are updated on the AFC

-- this function allows the PC to read in and store these updated fields for this table.

DOWNLOAD TABLE VEHICLE CLASS

Downloads only the VEHICLE CLASSES table from the AFC to the PC. As fueling transactions occur, some fields in the table are updated on the AFC -- this function lets the PC read in and store these updated fields.

DOWNLOAD TABLE FUELPOS

Downloads only the FUELING POSITIONS table from the AFC to the PC. As fueling transactions occur, some fields in this table are updated on the AFC -- this function allows the PC to read in and store these updated fields.

DOWNLOAD TABLE FUEL TYPE

Downloads only the FUELTYPE table from the AFC to the PC. As fueling transactions occur, some fields in this table are updated on the AFC -- this function allows the PC to read in and store these updated fields.

ARCHIVE TRANSACTIONS

Moves records from the TRANSACTION database that are more than 90 days old into the ARCHIVE database. Archiving older transactions improves the efficiency of any utility that works with the TRANSACTION database.

REPAIR/COMPACT DB

Repairs, sorts and compacts all of the database files. As data accretion occurs, items lose data continuity -- when files are deleted, gaps occur in the database. This utility re-sequences (defragments) each database, removes gaps in the sequence, and searches for / corrects any errors.

Job Frequency

You can schedule jobs to run at various user-defined intervals including weekly, daily and hourly. In addition, you may define the time of day they will be executed.

Note

Jobs scheduled to run within a single hour must be spaced a minimum of six minutes apart. The JOB QUEUE utility will not

allow you to save a job if the time is within six minutes of a job that already exists.

The following is a list of different frequencies at which jobs may be performed:

HOURLY

Allows a job to execute hourly. To set a job to run hourly, set the FREQUENCY to HOURLY. Also, set the number of minutes after the hour that the job will run. To do this, set the MINUTES AFTER HOUR box to the number of minutes after the hour at which the job should execute.

DAILY

Allows a job to execute once a day. To set a job to run daily, set the FREQUENCY to DAILY. You must also set a time for the job to run. To do this, enter the time you want the job to run in the TIME box.

Please note: The time is in military units -- i.e. 9:30 AM = 09:30, 12 noon = 12:00, 2:45 PM = 14:45, etc…

WEEKLY

Allows a job to execute once a week. To set a job to run weekly, set the FREQUENCY to WEEKLY. You must also set a day and time for the job to run. To set the day, click the down arrow next to the DAY box and click on the day of the week from the list. To set the time, enter the time you want the job to run in the TIME box.

Please note: The time is in military units -- i.e. 9:30 AM = 09:30, 12 noon = 12:00, 2:45 PM = 14:45, etc…

Running the JOB QUEUE Utility

The JOB QUEUE utility allows you add, modify and delete jobs that will be automatically executed by the AFC Administrator software. To run the JOB QUEUE utility, do the following:

Select **File** > **Setup Job Queue** from the AFC Administrator main screen (gas station). This will display the SETUP / EDIT JOB QUEUE window (*Figure 41*).

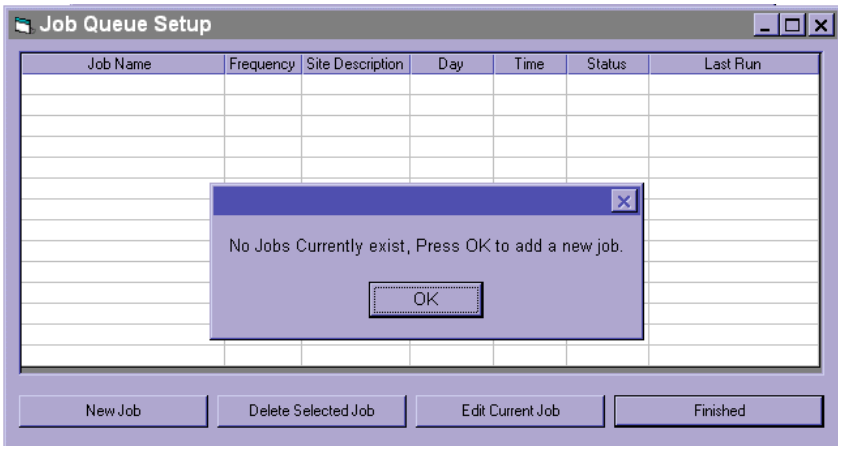


Figure 41: Setting Up Job Queue

Note

Before using JOB QUEUE, you must create at least one job and enable JOB QUEUE.

Creating a New Job

To create a new job, the JOB QUEUE utility must be running. See the above section on how to run the JOB QUEUE utility.

Within the SETUP / EDIT JOB QUEUE window (*Figure 42*), perform the following steps:

1. Create a new job -- Click the NEW JOB button to create a new job. The ADD A NEW JOB TO QUEUE window will be displayed.

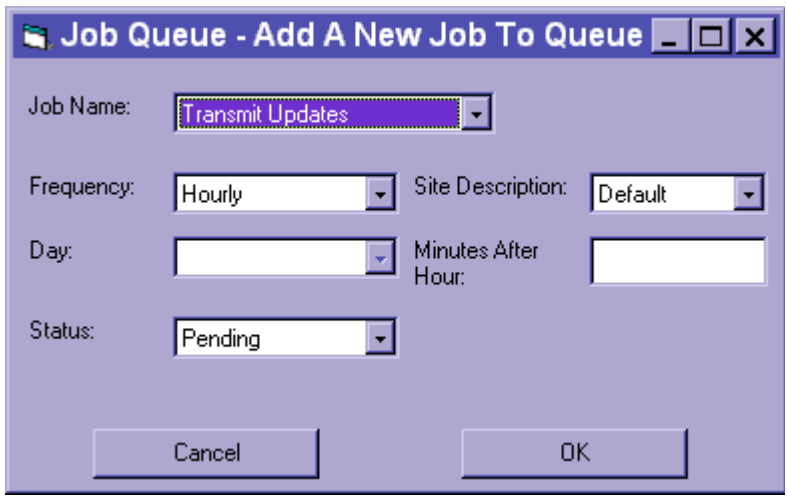


Figure 42: Using Job Queue

2. Select which job to run -- Click the down arrow next to the JOB NAME box and click on the type of job you wish to run.
3. Select how often the job will run -- Click the down arrow next to the FREQUENCY box and click on how often the job will run.
4. Select which day the job will run -- If you have set the job to run weekly, you must select which day the job will run. Click the down arrow next to the DAY box and click on the day the job will run.
5. Select which site the job is for -- You must select which site the job will be executed for. To select the site, click the down arrow next to the SITE box and click on the site the job is for.

Note

To execute the same job for more than one site, you must create a separate job for each site.

6. Select time / minutes after hour job will run -- Depending on whether a job will run hourly, daily or weekly, you will have a TIME or MINUTES AFTER HOUR box displayed in the ADD A NEW JOB TO QUEUE window.

For jobs that execute daily or weekly, the TIME box will be displayed. To select a time for the job to run -- enter the job time in the TIME box.

For jobs that execute hourly, the MINUTES AFTER HOUR box will be displayed. To set the number of minutes after the hour the job will run, set the hour portion of MINUTES AFTER HOUR box to the current hour, and the minutes portion to the number of minutes after the hour at which the job should execute.

Time is in military units -- i.e. 9:30 AM = 09:30, 12 noon = 12:00, 2:45 PM = 14:45, etc…

Set the status -- If status is PENDING, the job will be executed -- if the status is INACTIVE, the job will be ignored. Click the down arrow next to the STATUS box and click on the status you wish to set for this job.

Save the job -- Click the OK button at the bottom of the ADD A NEW JOB TO QUEUE window to save the job and add it to the queue. You will be returned to the SETUP / EDIT JOB QUEUE window and the job will appear in the list of jobs.

Cancel the job -- Click the CANCEL button at the bottom of the ADD A NEW JOB TO QUEUE window. You will be returned to the SETUP / EDIT JOB QUEUE window and the job will not appear in the list of jobs.

Modifying an Existing Job

Any of the settings of an existing job may be changed if necessary. To modify an existing job, perform the following steps:

Select the job you wish to modify -- From the SETUP / EDIT JOB QUEUE window, click the JOB NAME of the job you wish to modify. A light dotted line should appear around the job name.

Open the job for modification -- Once the job has been selected, click the EDIT button at the bottom of the SETUP / EDIT JOB QUEUE window. This will open the EDIT A JOB window, listing the current settings for this job.

Change the necessary settings -- once you are in the EDIT A JOB window, you may change any or all of the settings as needed. See the previous section for information on changing the settings.

Save the job -- If you have verified your changes and wish to save the job, click the OK button at the bottom of the EDIT A JOB window to save the job and add it to the queue. You will be returned to the SETUP / EDIT JOB QUEUE window and the modified job will appear in the list of jobs.

Cancel the job -- If you do not wish to save your changes, click the CANCEL button at the bottom of the EDIT A JOB window. You will be returned to the SETUP / EDIT JOB QUEUE window and the original job will appear in the list of jobs.

Deleting an Existing Job

Select the job you wish to delete -- From the SETUP / EDIT JOB QUEUE window, click the JOB NAME of the job you wish to modify. A light dotted line should appear around the job name.

Delete the job -- Click the DELETE CURRENT JOB button at the bottom of the SETUP / EDIT JOB QUEUE window. The job will be deleted and removed from the list of jobs.

Exiting the JOB QUEUE Utility

Once you have finished adding, deleting or modifying jobs in the JOB QUEUE, exit back to the AFC Administrator main screen. To exit the JOB QUEUE, click the FINISHED button at the bottom of the SETUP / EDIT JOB QUEUE window

Enabling / Disabling the JOB QUEUE

Jobs set up in the JOB QUEUE utility will not be executed unless the AFC Administrator software is running and the JOB QUEUE is enabled.

The following steps assume you have already set up at least one job in the JOB QUEUE and the communication between the PC and the AFC is configured and working properly.

Enabling the Queue

From the AFC Administrator main screen (gas station), click SETUP / CONFIGURATION and ENABLE JOB QUEUE or the Enable Job Queue -- This activates the JOB QUEUE. This will return you to the AFC Adminis-

trator main screen with the message “Job Queue Enabled” on the lower half.

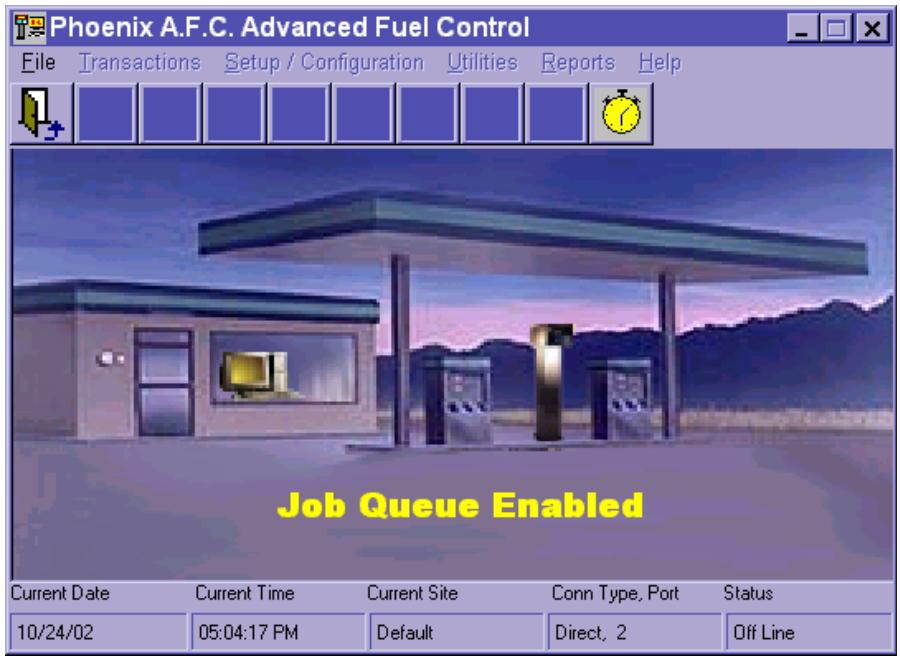


Figure 43: JOB QUEUE ENABLED Prompt

While the JOB QUEUE is enabled, all of the buttons and menu items except FILE, EXIT (door) icon and Disable Job Queue (watch) icon will be grayed out -- no other AFC Administrator features are accessible. Any jobs with a STATUS of PENDING will be executed at appropriate time.

Diabling the Queue

From the AFC Administrator main screen, click the ENABLE JOB QUEUE Icon.

The check mark next to ENABLE JOB QUEUE will be removed and you will be returned to the AFC Administrator main screen. All of the menu items and icons will return to their normal appearance.

Testing a Job

If you wish to manually test a job, perform the following steps:

1. Verify the PC / AFC communications -- Before attempting to use any of the JOB QUEUE features, be sure the PC is able to communicate with the PC by manually transmitting the configuration or downloading transactions.

2. Record the job settings -- Write down the settings for each job you want to test. The JOB NAME, FREQUENCY, DAY and TIME are the most important things to note.
3. Enable the JOB QUEUE -- In order for a job to execute, the JOB QUEUE must be enabled. See *page 90*.
4. Advance the computer date and time -- Double-click on the time displayed in the lower left corner of the computer screen. This will bring up the DATE / TIME PROPERTIES screen from Windows. Advance the date and time to two minutes before the time the job is to execute -- click the APPLY button to save the date and time setting.
5. Watch for the job to execute -- When the computer time approaches the time the job is set for, the appropriate screen will appear and the AFC Administrator software will begin attempting to communicate with the AFC. Once the job has executed AFC Administrator main screen will be displayed.
6. Disable the JOB QUEUE -- In order to access other portions of the AFC Administrator program, you must disable the JOB QUEUE. See *page 91*.
7. Verify the job executed -- From the AFC Administrator main screen, click UTILITIES and ACTIVITY log. -- The ACTIVITY LOG screen will be displayed. If the job was completed successfully, the last entry in the log should be for that job.
8. Click the FINISHED button to exit the ACTIVITY LOG screen.

Appendix A - AFC Administrator Database Files

This section helps you understand how and where data is stored. You SHOULD NOT attempt to modify these database files manually. Manual editing may damage or corrupt these files, which could disable the AFC or cause the AFC Administrator program to function improperly.

The AFC Administrator database files are as follows:

PROFILE0.MDB

Programming pertaining to the CARDS / KEYS, DEPARTMENTS / ACCOUNTS, DRIVERS, VEHICLES and VEHICLE CLASSES tables found in the AFC CONFIGURATION screen of the AFC Administrator program. Normally there is only one profile database file, PROFILE0.MDB, even if you have multiple AFC systems.

In the event you have multiple AFC systems and you wish to limit certain vehicles or drivers to a particular system, you would create additional profiles. These other profiles would be called PROFILE1.MDB, PROFILE2.MDB and so on.

SITE1.MDB

Programming pertaining to the GENERAL CONFIG, FUELING POSITION and FUEL TYPES tables found in the AFC CONFIGURATION screen of the AFC Administrator program. It also contains an EVENTS table, which logs communication events such as transmitting configurations or downloading transactions.

In most cases, there is only one site database file, SITE1.MDB. However, in cases where there are multiple AFC systems with different fuel types and fueling positions, or different general configuration settings, additional sites would be created. These sites would be called SITE2.MDB, SITE3.MDB and so on.

SITECONFIG.MDB

This file contains the JOBQUEUE, SITES, SOFTWARE VERSION, and UPDATE tables. It keeps track of the different sites that are configured, the automatic functions in SETUP / EDIT JOB QUEUE screen, any configuration updates that need to be transmitted, and the current software version.

TRANS.MDB

This file contains the TRANSACTIONS table, which contains transactions that have been downloaded from the AFC.

ARCHIVE.MDB

This file contains the ARCHIVE table, which contains transactions that have been downloaded from the AFC and archived by the AFC Administrator software.

Appendix B - Backup AFC Database Files to Disk

This process backs up each type of AFC file to a separate disk. Separate disks should be used because once the system is up and running, all of the files will not fit on one disk.

This procedure asks you to use a blank, formatted disk -- you may reuse the disks to make daily or weekly backups. However, when you attempt to copy the files to the used disk, the computer will warn you the file already exist. To copy the new file, click YES to replace the existing file on the disk with the newer copy.

1. Navigate to the AFC ADMINISTRATOR folder:
2. Exit the AFC Administrator program and return to the Windows Desktop.
3. Double-click on the MY COMPUTER icon.
4. In the MY COMPUTER window, double-click on the C: drive icon.
5. In the C: window, double-click on the PROGRAM FILES icon.
6. In the PROGRAM FILES window, double-click on the AFC ADMINISTRATOR icon.
7. In the upper-right corner of the AFC ADMINISTRATOR window, there are three small icons, a minus sign, a box and an X -- click on the box icon to make the window larger.
8. At the top of the AFC ADMINISTRATOR window on the left side, click the VIEW menu item, and then click DETAILS -- this will list the files in order.
9. At the top of the AFC ADMINISTRATOR window are the column headings NAME, SIZE, TYPE and MODIFIED -- click on the word TYPE to sort the files according to type.

Back Up the ARCHIVE file

Ignore this step if the ARCHIVE feature has not been used previously.

1. Insert a blank, formatted disk labeled ARCHIVE into the floppy drive.
2. Scroll through the list of files until you find the file ARCHIVE.MDB. The file may also be listed as ARCHIVE with an icon that looks like a piece of paper with a key on it. Right-click on the file name and a menu will appear. On this menu, choose SEND TO, then click on 3 1/2 FLOPPY (A) -- this will copy the file to the floppy disk.

3. Once the file is copied, eject the disk labeled ARCHIVE and store in a safe place.

Back Up the PROFILE File(s)

1. Insert a blank, formatted disk labeled PROFILE into the floppy drive.
2. Scroll through the list of files until you find the file PROFILE0.MDB. The file may also be listed as PROFILE0 with an icon that looks like a piece of paper with a key on it. Right-click on the file name and a menu will appear.
3. Choose SEND TO, then click on 3 1/2 FLOPPY (A) -- this will copy the file to the floppy disk. If there are other PROFILE files such as PROFILE1.MDB, you will copy them to this disk also. DO NOT copy the PROFILE-PROTO.MDB file.
4. Once the file is copied, eject the disk labeled PROFILE and store in a safe place.

Back Up the SITE Files

1. Insert a blank, formatted disk labeled SITE into the floppy drive.
2. Scroll through the list of files until you find the file SITE1.MDB. The file may also be listed as SITE1 with an icon that looks like a piece of paper with a key on it. Right-click on the file name and a menu will appear.
3. Choose SEND TO, then click on 3 1/2 FLOPPY (A) -- this will copy the file to the floppy disk. If there are other SITE files such as SITE2.MDB, you will copy them to this disk also. DO NOT copy the SITE-PROTO.MDB file.
4. Scroll through the list of files until you find the file SITECON-FIG.MDB. The file may also be listed as SITECONFIG with an icon that looks like a piece of paper with a key on it. Right-click on the file name and a menu will appear. On this menu, choose SEND TO, then click on 3 1/2 FLOPPY (A) -- this will copy the file to the floppy disk. DO NOT copy the SITECONFIG-PROTO.MDB file.
5. Once the file is copied, eject the disk labeled SITE and store in a safe place.

Back Up the TRANSACTION File

1. Insert a blank, formatted disk labeled TRANSACTIONS into the floppy drive.
2. Scroll through the list of files until you find the file TRANS.MDB. The file may also be listed as TRANS with an icon that looks like a piece of

paper with a key on it. Right-click on the file name and a menu will appear. On this menu, choose SEND TO, then click on 3 1/2 FLOPPY (A) -- this will copy the file to the floppy disk. DO NOT copy the TRANS-PROTO.MDB file.

3. Once the file is copied, eject the disk labeled TRANS and store in a safe place.

This completes the backup procedure for the AFC Administrator database files.

Appendix C - Sample Reports

Samples of the AFC's TransactionRreports appear on the next few pages:

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Vehicle

FULL REPORT

Printed On: 7/16/2003 10:24:59AM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description				Driver Dept Description				Fuel Type Description			

Vehicle: 00011

0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill				Maintenance				Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill				Maintenance				Diesel			

Fuel Type: 001 950.70 $1426.05

Total Sale $ For Vehicle: 00011 $1426.05

Total Quantity For Vehicle: 00011 950.70

Miles Travelled: 300.00 **MPG/Transaction: 1.45** **Cost/Mile/Transaction: 3.42**

Vehicle: 00012

0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George				Maintenance				Diesel			

Fuel Type: 001 301.20 $451.80

Total Sale $ For Vehicle: 00012 $451.80

Total Quantity For Vehicle: 00012 301.20

Miles Travelled: 0.00 **MPG/Transaction: .80** **Cost/Mile/Transaction: 1.80**

Vehicle: 00013

0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy				Maintenance				Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy				Maintenance				Diesel			

Fuel Type: 001 68.20 $102.30

Total Sale $ For Vehicle: 00013 $102.30

Total Quantity For Vehicle: 00013 68.20

Miles Travelled: 30.00 **MPG/Transaction: 4.25** **Cost/Mile/Transaction: .55**

Vehicle: 00015

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Driver

FULL REPORT

Printed On: 7/16/2003 10:49:31AM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

Driver: 00021

0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			

Fuel Type: 001 950.70 1426.05

Total Sale For Driver: 00021 $1426.05
Total Quantity For Driver 00021 950.70
MPG/Transaction: 1.45 Cost/Mile/Transaction: 3.42

Driver: 00022

0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George			Maintenance					Diesel			

Fuel Type: 001 301.20 451.80

Total Sale For Driver: 00022 $451.80
Total Quantity For Driver 00022 301.20
MPG/Transaction: .80 Cost/Mile/Transaction: 1.80

Driver: 00023

0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			

Fuel Type: 001 68.20 102.30

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

Total Sale For Driver: 00023 $102.30
Total Quantity For Driver 00023 68.20
MPG/Transaction: 4.25 Cost/Mile/Transaction: .55

Driver: 00025

0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve			Maintenance					Diesel			

Fuel Type: 001 11.90 17.85

Total Sale For Driver: 00025 $17.85
Total Quantity For Driver 00025 11.90
MPG/Transaction: 23.50 Cost/Mile/Transaction: .06

Driver: 00026

0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Unleaded			

Fuel Type: 002 90.70 90.70

0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Midgrade			

Fuel Type: 003 72.70 72.70

0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Premium			

Fuel Type: 004 79.00 79.00

Total Sale For Driver: 00026 $242.40
Total Quantity For Driver 00026 242.40
MPG/Transaction: .00 Cost/Mile/Transaction: .00

Driver: 00027

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			

Fuel Type: 003 **135.80** **135.80**

Total Sale For Driver: 00027 $135.80
Total Quantity For Driver 00027 135.80
MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

Driver: 00028

0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			

Fuel Type: 002 **134.80** **134.80**

Total Sale For Driver: 00028 $134.80
Total Quantity For Driver 00028 134.80
MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

Driver: 00029

0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			

Fuel Type: 004 **168.80** **168.80**

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

Total Sale For Driver: 00029 $168.80

Total Quantity For Driver 00029 168.80

MPG/Transaction: .00 Cost/Mile/Transaction: .00

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Driver Department

FULL REPORT

Printed On: 7/16/2003 10:50:20AM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

Driver Department: 000

0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			

Fuel Type: 002 134.80 134.80

Total Sale For Driver: 00028 134.80

Total Quantity For Driver: 00028 134.80

0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			

Fuel Type: 004 168.80 168.80

Total Sale For Driver: 00029 168.80

Total Quantity For Driver: 00029 168.80

Total Sale For Driver Department: 000 $303.60

Total Quantity For Driver Department: 000 303.60

MPG/Transaction: .00 Cost/Mile/Transaction: .00

Driver Department: 001

0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Unleaded			

Fuel Type: 002 90.70 90.70

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Midgrade			

Fuel Type: **003** **72.70** **72.70**

0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Premium			

Fuel Type: **004** **79.00** **79.00**

Total Sale For Driver: **00026** **242.40**

Total Quantity For Driver: **00026** **242.40**

0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			

Fuel Type: **003** **135.80** **135.80**

Total Sale For Driver: **00027** **135.80**

Total Quantity For Driver: **00027** **135.80**

Total Sale For Driver Department: **001** **$378.20**

Total Quantity For Driver Department: **001** **378.20**

MPG/Transaction: **.00** **Cost/Mile/Transaction:** **.00**

Driver Department: 002

0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

Fuel Type:	**001**	**950.70**	**1,426.05**
Total Sale For Driver:	**00021**	**1426.05**	
Total Quantity For Driver:	**00021**	**950.70**	

0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George			Maintenance					Diesel			

Fuel Type:	**001**	**301.20**	**451.80**
Total Sale For Driver:	**00022**	**451.80**	
Total Quantity For Driver:	**00022**	**301.20**	

0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			

Fuel Type:	**001**	**68.20**	**102.30**
Total Sale For Driver:	**00023**	**102.30**	
Total Quantity For Driver:	**00023**	**68.20**	

0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve			Maintenance					Diesel			

Fuel Type:	**001**	**11.90**	**17.85**
Total Sale For Driver:	**00025**	**17.85**	
Total Quantity For Driver:	**00025**	**11.90**	
Total Sale For Driver Department:	**002**	**$1998.00**	
Total Quantity For Driver Department:	**002**	**1,332.00**	

MPG/Transaction: **5.95** **Cost/Mile/Transaction:** **1.63**

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Vehicle Department

FULL REPORT

Printed On: 7/16/2003 10:55:27AM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

Vehicle Department: 001

0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Unleaded			
										Fuel Type:	**002**		**90.70**	**90.70**
0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Midgrade			
										Fuel Type:	**003**		**72.70**	**72.70**
0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Premium			
										Fuel Type:	**004**		**79.00**	**79.00**
										Total Sale For Vehicle:	**00016**		**$ 242.40**	
										Total Quantity For Vehicle:	**00016**		**242.40**	
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
										Fuel Type:	**003**		**135.80**	**135.80**
										Total Sale For Vehicle:	**00017**		**$ 135.80**	
										Total Quantity For Vehicle:	**00017**		**135.80**	

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				
0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			

Fuel Type: 002 — **134.80** **134.80**

Total Sale For Vehicle: 00018 — **$ 134.80**
Total Quantity For Vehicle: 00018 — **134.80**

0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			

Fuel Type: 004 — **168.80** **168.80**

Total Sale For Vehicle: 00019 — **$ 168.80**
Total Quantity For Vehicle: 00019 — **168.80**
Total Sale For Vehicle Department: 001 — **$ 681.80**
Total Quantity For Vehicle Department: 001 — **681.80**

MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

Vehicle Department: 002

0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			

Fuel Type: 001 — **950.70** **1,426.05**

Total Sale For Vehicle: 00011 — **$ 1426.05**
Total Quantity For Vehicle: 00011 — **950.70**

0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George			Maintenance					Diesel			

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				
										Fuel Type:	**001**		**301.20**	**451.80**
										Total Sale For Vehicle:	**00012**		**$ 451.80**	
										Total Quantity For Vehicle:	**00012**		**301.20**	
0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
										Fuel Type:	**001**		**68.20**	**102.30**
										Total Sale For Vehicle:	**00013**		**$ 102.30**	
										Total Quantity For Vehicle:	**00013**		**68.20**	
0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve			Maintenance					Diesel			
										Fuel Type:	**001**		**11.90**	**17.85**
										Total Sale For Vehicle:	**00015**		**$ 17.85**	
										Total Quantity For Vehicle:	**00015**		**11.90**	
										Total Sale For Vehicle Department:	**002**		**$ 1,998.00**	
										Total Quantity For Vehicle Department:	**002**		**1332.00**	
						MPG/Transaction:		**5.95**		**Cost/Mile/Transaction:**			**1.63**	

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Termination Code

FULL REPORT

Printed On: 7/16/2003 11:00:23AM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

Termination Code: 000

0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George			Maintenance					Diesel			
0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve			Maintenance					Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
										Fuel Type:	**001**		**1,332.00**	**1,998.00**
0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Unleaded			
										Fuel Type:	**002**		**225.50**	**225.50**

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				
0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Midgrade			
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
										Fuel Type:	**003**		**208.50**	**208.50**
0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Premium			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
										Fuel Type:	**004**		**247.80**	**247.80**

Total Sale For Termination Code: 000 $ 2679.80

Total Quantity For Termination Code: 000 2013.80

MPG/Transaction: 2.23 **Cost/Mile/Transaction: .61**

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Card/Key #1

FULL REPORT

Printed On: 7/16/2003 11:01:36AM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				
0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			

Fuel Type: 001 950.70 1,426.05

Total Sale For Card/Key #1: 00001 $1426.05
Total Quantity For Card/Key #1: 00001 950.70
MPG/Transaction: 1.45 **Cost/Mile/Transaction: 3.42**

0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George			Maintenance					Diesel			

Fuel Type: 001 301.20 451.80

Total Sale For Card/Key #1: 00002 $451.80
Total Quantity For Card/Key #1: 00002 301.20
MPG/Transaction: .80 **Cost/Mile/Transaction: 1.80**

0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			

Fuel Type: 001 68.20 102.30

Total Sale For Card/Key #1: 00003 $102.30
Total Quantity For Card/Key #1: 00003 68.20
MPG/Transaction: 4.25 **Cost/Mile/Transaction: .55**

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description		Vehicle Dept Description				
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				
0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve			Maintenance					Diesel			
										Fuel Type:	**001**		**11.90**	**17.85**
								Total Sale For Card/Key #1:			**00005**		**$17.85**	
								Total Quantity For Card/Key #1:			**00005**		**11.90**	
					MPG/Transaction:		**23.50**		**Cost/Mile/Transaction:**		**.06**			
0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Unleaded			
										Fuel Type:	**002**		**90.70**	**90.70**
0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Midgrade			
										Fuel Type:	**003**		**72.70**	**72.70**
0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Premium			
										Fuel Type:	**004**		**79.00**	**79.00**
								Total Sale For Card/Key #1:			**00006**		**$242.40**	
								Total Quantity For Card/Key #1:			**00006**		**242.40**	
					MPG/Transaction:		**.00**		**Cost/Mile/Transaction:**		**.00**			
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
										Fuel Type:	**003**		**135.80**	**135.80**

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Veh Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description				Fuel Type Description				

Total Sale For Card/Key #1: 00007 $135.80
Total Quantity For Card/Key #1: 00007 135.80
MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			

Fuel Type: 002 134.80 134.80

Total Sale For Card/Key #1: 00008 $134.80
Total Quantity For Card/Key #1: 00008 134.80
MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			

Fuel Type: 004 168.80 168.80

Total Sale For Card/Key #1: 00009 $168.80
Total Quantity For Card/Key #1: 00009 168.80
MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Site Number

FULL REPORT

Printed On: 7/16/2003 11:05:14AM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description					Fuel Type Description			

Site Number: 001

0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George			Maintenance					Diesel			
0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve			Maintenance					Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
										Fuel Type:	**001**		**1,332.00**	**1,998.00**
0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Unleaded			
										Fuel Type:	**002**		**225.50**	**225.50**

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description				Driver Dept Description				Fuel Type Description			
0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim				Sales Department				Midgrade			
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			
										Fuel Type:	**003**		**208.50**	**208.50**
0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim				Sales Department				Premium			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
										Fuel Type:	**004**		**247.80**	**247.80**

Total Sale For Site Number: 001 $ 2,679.80

Total Quantity For Site Number: 001 2013.80

MPG/Transaction: 2.23 **Cost/Mile/Transaction: .61**

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Fueling Position

FULL REPORT

Printed On: 7/16/2003 11:28:44AM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description				Driver Dept Description				Fuel Type Description			

Fueling Position: 1

0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill				Maintenance				Diesel			
0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George				Maintenance				Diesel			
0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy				Maintenance				Diesel			
0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve				Maintenance				Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill				Maintenance				Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy				Maintenance				Diesel			

Fuel Type: 001 **1,332.00** **1,998.00**

Total Sale For Fueling Position: 1 1,998.00

Total Quantity For Fueling Position: 1 1,332.00

MPG/Transaction: 5.95 **Cost/Mile/Transaction: 1.63**

Fueling Position: 2

0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description				Driver Dept Description				Fuel Type Description			
0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim				Sales Department				Unleaded			

Fuel Type: 002 225.50 225.50

Total Sale For Fueling Position: 2 225.50

Total Quantity For Fueling Position: 2 225.50

MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

Fueling Position: 3

0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim				Sales Department				Midgrade			
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			

Fuel Type: 003 208.50 208.50

Total Sale For Fueling Position: 3 208.50

Total Quantity For Fueling Position: 3 208.50

MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

Fueling Position: 4

0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim				Sales Department				Premium			

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description					Fuel Type Description			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			

Fuel Type: 004 **247.80** **247.80**

Total Sale For Fueling Position: 4 247.80

Total Quantity For Fueling Position: 4 247.80

MPG/Transaction: .00 **Cost/Mile/Transaction: .00**

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Miscellaneous Number

FULL REPORT

Printed On: 7/16/2003 12:14:44PM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dep	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description					Fuel Type Description			

Miscellaneous Numbe 000000000

0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Unleaded			
										Fuel Type:	**002**		**225.50**	**225.50**
0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Midgrade			
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
										Fuel Type:	**003**		**208.50**	**208.50**
0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Premium			

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dep	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description				Driver Dept Description				Fuel Type Description			

0015 06/19/2003 11:50 00029 000 00019 001 002 000000000 000000 001 001 NO 123.60 123.60
004 4 000.0 000.00 01.000 00009 65500 000 Sports Car Sales Department
Multi Grade Gasoline Akram Premium

Fuel Type: 004 247.80 247.80

Total Sale For Miscellaneous Number: 000000000 $681.80
Total Quantity For Miscellaneous Number: 000000000 681.80

MPG/Transaction: .00 Cost/Mile/Transaction: .00

Miscellaneous Numbe 000000236

0001 06/19/2003 09:54 00021 002 00011 002 001 000000236 000300 001 001 NO 841.20 1261.80
001 1 000.2 006.30 01.500 00001 65500 000 Red Truck Maintenance
Diesel Vehicles Bill Maintenance Diesel

Fuel Type: 001 841.20 1,261.80

Total Sale For Miscellaneous Number: 000000236 $1261.80
Total Quantity For Miscellaneous Number: 000000236 841.20

MPG/Transaction: .20 Cost/Mile/Transaction: 6.30

Miscellaneous Numbe 000001234

0003 06/19/2003 10:52 00023 002 00013 002 001 000001234 000450 001 001 NO 50.50 75.75
001 1 006.9 000.21 01.500 00003 65500 000 Green Truck Maintenance
Diesel Vehicles Andy Maintenance Diesel

Fuel Type: 001 50.50 75.75

Total Sale For Miscellaneous Number: 000001234 $75.75
Total Quantity For Miscellaneous Number: 000001234 50.50

MPG/Transaction: 6.90 Cost/Mile/Transaction: .21

Miscellaneous Numbe 000008745

0002 06/19/2003 10:23 00022 002 00012 002 001 000008745 000350 001 001 NO 301.20 451.80
001 1 000.8 001.80 01.500 00002 65500 000 Blue Truck Maintenance
Diesel Vehicles George Maintenance Diesel

Fuel Type: 001 301.20 451.80

Total Sale For Miscellaneous Number: 000008745 $451.80
Total Quantity For Miscellaneous Number: 000008745 301.20

MPG/Transaction: .80 Cost/Mile/Transaction: 1.80

Miscellaneous Numbe 000456123

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dep	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description					Fuel Type Description			

0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			

Fuel Type: **001** **17.70** **26.55**

Total Sale For Miscellaneous Number: **000456123** **$26.55**

Total Quantity For Miscellaneous Number: **000456123** **17.70**

MPG/Transaction: **1.60** **Cost/Mile/Transaction:** **.88**

Miscellaneous Numbe 000896532

0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve			Maintenance					Diesel			

Fuel Type: **001** **11.90** **17.85**

Total Sale For Miscellaneous Number: **000896532** **$17.85**

Total Quantity For Miscellaneous Number: **000896532** **11.90**

MPG/Transaction: **23.50** **Cost/Mile/Transaction:** **.06**

Miscellaneous Numbe 000896544

0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			

Fuel Type: **001** **109.50** **164.25**

Total Sale For Miscellaneous Number: **000896544** **$164.25**

Total Quantity For Miscellaneous Number: **000896544** **109.50**

MPG/Transaction: **2.70** **Cost/Mile/Transaction:** **.54**

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Taxable Status

FULL REPORT

Printed On: 7/16/2003 12:16:02PM

Taxable Status: NO

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description					Fuel Type Description			
0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George			Maintenance					Diesel			
0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve			Maintenance					Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill			Maintenance					Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy			Maintenance					Diesel			
										Fuel Type:	**001**		**1,332.00**	**1,998.00**
0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Unleaded			

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description			Driver Dept Description					Fuel Type Description			
										Fuel Type:	**002**		**225.50**	**225.50**
0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Midgrade			
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom			Sales Department					Midgrade			
										Fuel Type:	**003**		**208.50**	**208.50**
0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim			Sales Department					Premium			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
										Fuel Type:	**004**		**247.80**	**247.80**

Total Sale For Tax Status: **NO** **$2679.80**
Total Quantity For Tax Status: **NO** **2013.80**

MPG/Transaction: **2.23** **Cost/Mile/Transaction:** **.61**

All Transactions From 06/19/2003 To 06/19/2003 Sorted By Fuel Type

FULL REPORT

Printed On: 7/16/2003 12:16:38PM

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description				Driver Dept Description				Fuel Type Description			

Fuel Type: 001

0001	**06/19/2003**	**09:54**	**00021**	**002**	**00011**	**002**	**001**	**000000236**	**000300**	**001**	**001**	**NO**	**841.20**	**1261.80**
001	1	000.2	006.30	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill				Maintenance				Diesel			
0002	**06/19/2003**	**10:23**	**00022**	**002**	**00012**	**002**	**001**	**000008745**	**000350**	**001**	**001**	**NO**	**301.20**	**451.80**
001	1	000.8	001.80	01.500	00002	65500	000	Blue Truck			Maintenance			
Diesel Vehicles			George				Maintenance				Diesel			
0003	**06/19/2003**	**10:52**	**00023**	**002**	**00013**	**002**	**001**	**000001234**	**000450**	**001**	**001**	**NO**	**50.50**	**75.75**
001	1	006.9	000.21	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy				Maintenance				Diesel			
0006	**06/19/2003**	**11:42**	**00025**	**002**	**00015**	**002**	**001**	**000896532**	**000380**	**001**	**001**	**NO**	**11.90**	**17.85**
001	1	023.5	000.06	01.500	00005	65500	000	The boss's truck			Maintenance			
Diesel Vehicles			Steve				Maintenance				Diesel			
0011	**06/19/2003**	**11:49**	**00021**	**002**	**00011**	**002**	**001**	**000896544**	**000600**	**001**	**001**	**NO**	**109.50**	**164.25**
001	1	002.7	000.54	01.500	00001	65500	000	Red Truck			Maintenance			
Diesel Vehicles			Bill				Maintenance				Diesel			
0016	**06/19/2003**	**11:50**	**00023**	**002**	**00013**	**002**	**001**	**000456123**	**000480**	**001**	**001**	**NO**	**17.70**	**26.55**
001	1	001.6	000.88	01.500	00003	65500	000	Green Truck			Maintenance			
Diesel Vehicles			Andy				Maintenance				Diesel			

Fuel Type: 001 **1,332.00** **$1998.00**

MPG/Transaction: 5.95 **Cost/Mile/Transaction: 1.63**

Fuel Type: 002

0004	**06/19/2003**	**11:42**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**89.40**	**89.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			
0008	**06/19/2003**	**11:44**	**00028**	**000**	**00018**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.40**	**45.40**
002	2	000.0	000.00	01.000	00008	65500	000	Limousine			Sales Department			
Multi Grade Gasoline			Jay								Unleaded			

Transact#	Date	Time	Driver	Driver Dept	Vehicle:	Veh Dept	Vehicle Class	Misc.	Odometer	Site#	Unit#	Taxed	Quantity	Sale
Fuel Type	Fuel Pos	MPG	Cost /Mile	Price/unit	Card/Key#1	Card/Key#2	Term Code	Vehicle Description			Vehicle Dept Description			
Vehicle Class Description			Driver Description				Driver Dept Description				Fuel Type Description			
0012	**06/19/2003**	**11:49**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**90.70**	**90.70**
002	2	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim				Sales Department				Unleaded			

Fuel Type: **002** **225.50** **$225.50**

MPG/Transaction: **.00** **Cost/Mile/Transaction:** **.00**

Fuel Type: 003

0005	**06/19/2003**	**11:42**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**72.70**	**72.70**
003	3	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim				Sales Department				Midgrade			
0010	**06/19/2003**	**11:44**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**12.00**	**12.00**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			
0013	**06/19/2003**	**11:49**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**76.40**	**76.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			
0014	**06/19/2003**	**11:50**	**00027**	**001**	**00017**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**47.40**	**47.40**
003	3	000.0	000.00	01.000	00007	65500	000	Big Van			Sales Department			
Multi Grade Gasoline			Tom				Sales Department				Midgrade			

Fuel Type: **003** **208.50** **$208.50**

MPG/Transaction: **.00** **Cost/Mile/Transaction:** **.00**

Fuel Type: 004

0007	**06/19/2003**	**11:42**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**45.20**	**45.20**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			
0009	**06/19/2003**	**11:44**	**00026**	**001**	**00016**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**79.00**	**79.00**
004	4	000.0	000.00	01.000	00006	65500	000	Small Van			Sales Department			
Multi Grade Gasoline			Tim				Sales Department				Premium			
0015	**06/19/2003**	**11:50**	**00029**	**000**	**00019**	**001**	**002**	**000000000**	**000000**	**001**	**001**	**NO**	**123.60**	**123.60**
004	4	000.0	000.00	01.000	00009	65500	000	Sports Car			Sales Department			
Multi Grade Gasoline			Akram								Premium			

Fuel Type: **004** **247.80** **$247.80**

MPG/Transaction: **.00** **Cost/Mile/Transaction:** **.00**

Quick Reference Sheet

0 N/A Cancel function code entry
1 N/A Execute a keypad transaction
2 N/A Encode DuraKeys
5 N/A Enter a Transaction Manually
6 RAM test, non-destructive (version 3.63 and above only)
7 Address test, non-destructive (version 3.63 and above only)
10 Reprinting Transactions, Please Wait
- Reprint all stored transactions

20 Print number of records in each table.
60 Receipt Printer 1=On, 0=Off Configure AFC Receipt Printer
70 Enter Card Number Erase one Card record
71 Enter Vehicle Number Erase one Vehicle record
72 Enter Driver Number Erase one Driver record
73 Enter Department Number Erase one Department record
74 Enter Vehicle Class Erase one Vehicle Class record
75 Enter Fueltype Erase one Fueltype record
76 Enter Fueling Position Erase one Fueling Position record
80 Please Wait… Erase all Card data
81 Please Wait… Erase all Vehicle data
82 Please Wait… Erase all Driver data
83 Please Wait… Erase all Department data
84 Please Wait… Erase all Vehicle Class data
85 Please Wait… Erase all Fueltype data
86 Please Wait… Erase all Fueling Position data
87 Please Wait… Erase all Transaction Data
98 Date/Time is: Display Current Date and Time
99 N/A Set the Current Date and Time

“100” - System Configuration

100 N/A Cycle through all System Configuration options
101 Enter Site Number Set AFC site number
102 Enter Unit Number Set AFC unit number
103 Enter Transaction # Set next Transaction number
104 Activate Time (HH:MM)
Deactivate Time (HH:MM)
Set AFC activation and deactivation times
105 Shift 1? (HH:MM)
Shift 2? (HH:MM)
Shift 3? (HH:MM)
Shift 4? (HH:MM)
Set the beginning time for each of 4 shifts
106 Print Date? 1/0
Print Time? 1/0
Print Price? 1/0
Set suppression of date, time, and price on journal printer.
1 – suppress printing;
0 – print
107 Idle Prompt line 1?
Idle Prompt line 2?
Idle Prompt line 3?
Idle Prompt line 4?
Define the characters for the system’s idle prompt.
108 Driver Number Tries?
Driver Number Result
Number of attempts for correct driver number entry.
Result if entry incorrect:
1 – Continue fueling;
2 – Refuse transaction;
3 – Invalidate card
109 System ID # Start Pos.
Card # Start Pos.
Secondary System ID #
(For using non-standard cards)
Sets the starting position in the card data for the system ID number, card number, and defines an alternate System ID number
110 Enter Prompt Timeout In seconds
Sets the number of seconds that each AFC prompt will wait before timing out. From 5 to 60 seconds.
111 Vehicle/Driver Allocation
1 = Vehicle
2 = Driver
If departments are allocated fuel, this setting selects whether the fuel is deducted from the driver’s or the vehicle’s department.
112 Interdept. Fueling
1=Allow, 2=Not Allow
Selects for all departments whether or not drivers from one department can fuel vehicles in another.
113 Reset Transaction Number
1 – Yes, reset transaction number to 1 at midnight each day;
2 – No, do not reset
114 Driver entry required on keypad only operation? Sets whether the keypad only operation will prompt the operator for the Driver number.

“200” - Cards & Keys

200 Enter Card/Key #

Cycle through all Card/Key configuration options
Enter Card/Key Type
1 – Card/Key identifies Vehicle; Driver entered on keypad
2 – Card/Key identifies Driver; Vehicle entered on keypad
3 – Card/Key identifies Vehicle; prompts for Driver Card/Key
4 – Card/Key identifies Driver; prompts for Vehicle Card/Key

- Enter Vehicle Number OR Enter Driver Number
Defines either the vehicle or the driver that the card will identify, depending on the Card/Key type

- Enter Driver # 1 OR Enter Vehicle # 1
Defines either the driver number associated with the vehicle or the vehicle number associated with the driver, depending on the card/key type.

- Enter Driver # 2 OR Enter Vehicle # 2
Defines either the driver number associated with the vehicle or the vehicle number associated with the driver, depending on the card/key type.

- Enter Driver # 3 OR Enter Vehicle # 3
Defines either the driver number associated with the vehicle or the vehicle number associated with the driver, depending on the card/key type

201 Exp. Date (MM/DD/YY) Date the Card/Key will expire

“300” - Vehicles

300 Enter Vehicle Number -- Cycle through all of the Vehicle configuration options
301 Vehicle Class. Assigns the vehicle to a class
302 Prev. Odometer. Stores the last odometer reading for the vehicle (for odometer reasonability)
303 Maint. Odometer. Stores the last maintenance reading for the vehicle (Used for vehicle maintenance tracking)
304 Department? Defines department the vehicle is assigned to
305 Global Vehicle? 1=Global, 0=Normal
Sets if vehicle is global (Global vehicles can be used with any driver number)
306 Keypad Entry Allowed? 1=Yes, 0=No
Sets whether or not the vehicle number can be entered on the keypad during authorization.

“400” - Drivers

400 Driver Number? Cycle through all driver configuration options
401 Department? Assigns the driver to a department
402 Security #? Assigns the 4-digit security number to the driver
403 Global Driver? Sets driver as global (Global drivers can use any vehicle) 1 = Global; 0 = Normal
404 Keypad Entry Allowed? 1=Yes, 0=No
Sets whether or not this driver number can be entered on the keypad during authorization.

“500” - Vehicle Classes

500 Vehicle Class? Shows all Vehicle Class configuration options
501 Enter Start Time, Enter End Time
Defines the range of time in which a vehicle class can be used
502 Exp. Date (MM/DD/YY) Specifies vehicle class expiration date
503 Max. Fuel Per Trans. Sets maximum fuel available to the vehicle class per transaction
504 Odometer Low Limit? Odometer High Limit? Defines the range of odometer entries for reasonable odometer operation
505 Max. Odometer Retries Sets the number of tries that the operator has to enter a reasonable odometer figure
506 Odometer Pass/Fail
1 = Continue Trans.
2 = Fail Transaction

Result if odometer was not entered correctly
1 = Continue transaction anyway
2 = Refuse transaction
507 Maintenance Warning
Defines miles before Vehicle Maintenance Mileage when the warning message appears.
508 Maint. Pass/Fail. For PASSED mileage:
1 = Continue Trans.
2 = Fail Transaction

509 Required Prompts?
0 = None; 1 = Mileage; 2 = Misc; 3 = Both
Defines prompts used for this class of vehicle.
0 = No prompts;
1 = Mileage prompt;
2 = Miscellaneous prompt;
3 = Both Mileage and Miscellaneous prompts.

510 Misc. Digits Required
The minimum number of digits that must be entered in the miscellaneous field
511 1st Fueltype Allowed
2nd Fueltype Allowed
3rd Fueltype Allowed
Defines three fuel types permitted for this class of vehicle.
To allow a class to get any fuel type, enter 255 for fuel type 1
512 Taxable? Specifies if vehicle class is taxable.
0 = No; 1 = Yes; 2 = Prompt
513 Mileage Prompt? Defines prompt for mileage field.
514 Miscellaneous Prompt. Defines prompt for miscellaneous field

“600” - Departments

600 Enter Department #
Cycles through all department configuration options
601 Enter Dept. Discount (as a percentage). Defines discount for this department as a percentage.
Example: 012.30 = 12.3%

602 Enter Totalizer Value.
Sets the current value of the department totalizer.
603 Allocation.
Turns fuel allocation on (1) and off (0) for this department.
604 Enter Allocated Fuel.
Sets a predetermined quantity or dollar amount which is deducted with each transaction for this department
605 Money or Quantity? 1=Money, 2=Quantity
Specifies if Function 604 defines money or fuel quantity.
606 Exp. Date (MM/DD/YY).
Sets the date that this department expires.

“700” - Fuel Types

700 Enter Fueltype #
Cycle through all fueltype configuration options
701 Active? (1/0) Set the fueltype active (1) or inactive (0)
702 Unit Price? Set the price per unit of fuel
703 Unit Tax? Set the tax per unit of fuel
704 Enter Totalizer Set the totalizer for the fueltype
705 Enter Shift 1 totalizer value.
Set the totalizer for shift 1
706 Enter Shift 2 totalizer value.
Sets the totalizer for shift 2.
707 Enter Shift 3 totalizer value
Sets the totalizer for shift 3
708 Enter Shift 4 totalizer value
Sets the totalizer for shift 4
709 Tank Quantity?
Set the current quantity of fuel in the tank
710 Low Quantity?
Set the low-level trigger quantity.
711 Deactivate Quantity?
Set the quantity at which the fueltype deactivates.

“800” - Fueling Positions

800 Enter Fuel Position. Cycles through all Fuel Position configuration options.
801 Enter Fueltype. The fueltype assigned to the fueling position.
802 Enter Totalizer. Sets the fueling position totalizer.
803 Active – 1, Inactive – 0
Sets fueling position active or inactive
804 Max. 0 Transactions. Sets the maximum number of allowed transactions with 0 quantity.
805 Timeout? (SSSSS). Sets number of seconds the system waits with no fuel being dispensed (5-600 seconds)
806 Enter Fuel Limit. Set the fuel limit dispensed from this position per transaction (whole units, 0-65,535)
807 Pulses Per Unit? Sets number of pulses sent from the dispenser per unit of measurement (1-65,535)
808 Decimal Point. 0, 1, 2, or 3 decimal places.
Sets the quantity decimal point of this fueling position
0 = Whole units
1 = Tenths
2 = Hundredths
3 = Thousandths

809 Zero Quantity Shutoff Turns zero quantity shutoff option on (1) and off (0).

“900” – Card Reader

900 Card reader test (version 3.63 and above)

DIP Switch Options

SW1

1 Master Operation Satellite Operation
2 Card Reader On Card Reader Off
3 Keypad Entry On Keypad Entry Off
4 Printer On Printer Off
5 PC Active PC Inactive
6-8 Not used

SW2

1 AFC Address bit 1 On AFC Address bit 1 Off
2 AFC Address bit 2 On AFC Address bit 2 Off
3 AFC Address bit 4 On AFC Address bit 4 Off
4 AFC Address bit 8 On AFC Address bit 8 Off
5 Slow PC 1 On Slow PC 1 Off
6 Slow PC 2 On Slow PC 2 Off
7 Reset all memory Normal Operation
8 Change System ID# Normal Operation

Programming Worksheet for Vehicles and Drivers

Vehicle# (1- 65,499)	Veh. Dept	Veh. Class	Keypad or Card/Key#	Vehicle Description	Driver# (1- 65,499)	Drv. Dept	Keypad or Card/Key#	Driver Description

Program tables in following order: (1) Fueltypes, (2) Fuelpositions, (3) Vehicle Classes, (4) Departments, (5) Vehicles & Drivers, and (6) Cards/Keys

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