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U.S. Energy Information
Administration

PC Electronic Data Reporting Option (PEDRO) System Users Guide

Version 6.8

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Introduction to PEDRO

Overview

Thank you for selecting the U.S. Energy Information Administration (EIA) PC Electronic Data Reporting Option (PEDRO). We hope that this option will significantly reduce your reporting burden and facilitate your submission of data to EIA.

The PEDRO User's Guide has been developed as an informational tool for a manager to become acquainted with the system or as a reference tool for the PEDRO user.

The User's Guide introduces you to the 2016 edition of PEDRO version 6.8, and some of its basic functions and features. It includes hardware and software requirements, a detailed set of instructions for installing and running PEDRO on your PC, procedures for setting up to transmit data to EIA, and instructions for removing PEDRO from your PC. The appendices provide survey-specific information including import file formats, cell labels, product codes, sample import files, and edit checks; and information about patches to the PEDRO software.

PEDRO is available at no cost to the user. Formal training is not required since installation, data importation, data processing, and transmission are done by interactive, user-friendly menu options.

The PEDRO System

The PC Electronic Data Reporting Option system enables users to enter EIA survey form data on a personal computer (PC) using interactive data entry screens and validates the accuracy of the data through an electronic data editing process. A communication program included as part of the system transfers the data to EIA and verifies the accuracy of the transmission. PEDRO currently supports data collection for the following EIA surveys:

- EIA-14 Refiners' Monthly Cost Report
- EIA-182 Domestic Crude Oil First Purchase Report
- EIA-782A Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report
- EIA-782B Resellers'/Retailers' Monthly Petroleum Product Sales Report
- EIA-782C Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption
- EIA-800 Weekly Refinery Report
- EIA-802 Weekly Product Pipeline Report
- EIA-803 Weekly Crude Oil Stocks Report
- EIA-804 Weekly Imports Report
- EIA-805 Weekly Terminal Blenders Report
- EIA-809 Weekly Oxygenate Report
- EIA-810 Monthly Refinery Report
- EIA-812 Monthly Product Pipeline Report
- EIA-813 Monthly Crude Oil Report
- EIA-814 Monthly Imports Report
- EIA-815 Monthly Terminal Blenders Report

- EIA-816 Monthly Natural Gas Liquids Report
- EIA-817 Monthly Tanker and Barge Movement Report
- EIA-819 Oxygenate Telephone Report

This Graphical User Interface (GUI) version of PEDRO has been developed by EIA's Office of Energy Statistics. This system will feed respondent-level data from the weekly Forms EIA-800 through EIA-805 and the EIA-809, and the monthly Forms EIA-14, EIA-182, EIA-782A, EIA-782B, EIA-782C, EIA-810 through EIA-817 and EIA-819. The different edit checks for each survey are included as Appendix A, titled "Edit Checks."

For specific information on PEDRO procedures, commands and system functions which are common to all EIA surveys, see Part 5, "Entering Data in the PEDRO System." For information on the particular survey with which you are currently working, refer to the section describing that specific survey. Survey-specific sections begin following the "Entering Data in the PEDRO System" section of this manual.

Should you have any questions or concerns, please contact the Electronic Data Support Staff on (202) 586-9659. American Petroleum Institute contact is Mike Robey at (202) 682-8365.

PEDRO Patches

Occasionally, updates to the PEDRO software are required that are not significant enough to justify a complete recreation and mail out of the software for every user. Instead, a "patch" is developed. A patch is a bundled file (or files) that is sent out to PEDRO users to update the system without completely replacing or reinstalling PEDRO. A list of all PEDRO patches created and distributed between February of 2004 and May of 2016 is included as a short appendix to this User's Guide (see Appendix B, "PEDRO Patches").

Hardware / Software Requirements

Check to make sure you have the necessary hardware and software before you begin installing PEDRO. The following is a list of required items.

- Windows-based personal computer (PC)
- Windows NT to Windows 7
- Approximately 30 Mb of free disk space for the PEDRO system files, plus up to 10 Mb for each survey
- Internet Service Provider (ISP) with appropriate link or modem

How to Set Up the PEDRO Software

Installing PEDRO

IMPORTANT NOTE: If you have a previous version of PEDRO (6.7, for instance) on your PC, you can perform an upgrade when installing the new PEDRO version 6.8. This will save any data you may wish to retain from the previous version.

If you have PEDRO 6.7 or earlier installed on a PC and you wish to install PEDRO 6.8 to a different PC, while still retaining the PEDRO data from the old PC, you must copy all files from the old PC's PEDRO/DATA directory to the new PC **prior to installation of PEDRO 6.8**. Be sure to create a directory on your C:\ drive named PEDRO/DATA in which to copy the six .DB files, so the new version will find them during installation. Be sure to select **"Upgrade"** during installation to retain this copied data. Selecting **"Upgrade"** will also retain your previous PEDRO Communications settings as well.

To install the new 6.8 version of PEDRO:

- Navigate to the webpage <http://www.eia.gov/survey/form/pedro/> and follow the on-screen instructions to install the new PEDRO 6.8 version.

Upgrade/New Installation Notes

- If you currently have an older version of PEDRO, but DO NOT wish to retain your old data, select **"New Installation."**
- If you select either New or Upgrade, PEDRO 6.8 along with the Pedro User's Guide will be downloaded to the **C:\pedro** folder on your PC.
- If you currently have PEDRO 6.7 and wish to retain your data, select **"Upgrade Installation."** Click the Next button after selecting the desired type of installation.
- The "Choose Destination Location" box is displayed. By default, PEDRO will be installed to the C:\PEDRO directory. However, if you wish to install it elsewhere, click the Browse button and select the desired drive/folder in which you'd like to install PEDRO. Click OK. Click the Next button on the "Choose Destination Location" box.
- The "Start Copying Files" screen is displayed. Click the Next button to begin the installation.
- A progress bar is displayed, indicating the status of the installation. When finished, click the Finish button.
- To run PEDRO, click the Windows Start button. Then click Programs, and select EIA Applications from the list of programs. On the fly-out "EIA Applications" menu, select PEDRO 6.8. PEDRO will open on your PC.

NOTE: If you selected “Upgrade Installation” during the installation process, an “Updating System” box is displayed. This will update the PEDRO files on your PC. Depending on the speed of your PC, this process could take up to five minutes. Be sure to let the process run to its completion, otherwise you could corrupt the new system and/or lose your previous data!

Uninstalling PEDRO

IMPORTANT NOTE: Performing an uninstall of PEDRO will delete all data files you may have entered! If you are uninstalling PEDRO on an old PC and planning to install the new version of PEDRO on a new PC, remember to copy the data files from the old PC to the new PC prior to performing any uninstall! See the “Important Note” in the previous section (“Installing PEDRO”) for details on copying data files from one PC to another.

If, for whatever reason, you wish to remove the older version of PEDRO from your hard drive (rather than perform an upgrade) before installing PEDRO 6.8, follow these steps:

Click the Windows **Start** button, then click **Settings**. From the **Settings** menu, click **Control Panel**. In **Control Panel**, click **Add/Remove Programs**. The **Add/Remove Programs Properties** box is displayed. A list of all programs installed on your PC is shown in the bottom half of this box; select “PEDRO - PC Electronic Data Reporting Option” (or similar wording of any PEDRO software), then click the **Add/Remove** button at the bottom of the box. Follow the prompts to uninstall PEDRO, then proceed to install the new version of PEDRO.

Overview of the PEDRO Reporting Process

This section provides a brief overview of the complete PEDRO reporting process. For a more detailed description of these procedures, see Part 5, “Entering Data in the PEDRO System.”

1. First, install the PEDRO 6.8 system, as described in the previous section.
2. To run the PEDRO system, click the **Start** button on your Windows desktop. Then click **Programs**, and select **EIA Applications** from the list of programs. On the fly-out “EIA Applications” menu, select **PEDRO 6.8**. PEDRO will open on your PC.
3. From the PEDRO Introduction Screen, select the **survey** for which you wish to enter data from the list of surveys displayed on the left side of the screen. Click the **Continue** button.
4. The selected survey is displayed. By default, the “Open Respondent” box is displayed. Select the **respondent** and **period** you wish to edit, and then click the **Open** button. If you wish to add a new respondent or period, click the **Add Respondent and/or Add Period** buttons on the “Open Respondent” box. Type in new Respondent Name and ID(s) numbers, or the new period you wish to add, and click the **Add** button.
5. After selecting the desired respondent and period, the main data entry screen for the selected survey is displayed. It uses the “tabbed notebook” format --click the tabs along the top of the screen to select which data you wish to view and/or edit. The tabs display the following options on each survey:

Identification tab: Enter the respondent’s name and address information in the appropriate fields.

Select State tab: This tab is displayed only on the EIA-782A, B & C surveys, on which you enter State Level data. The Select State tab allows you to enter numerous separate data entries for different States.

Data entry tabs: There will be one or more “data entry” tabs, depending on which survey is running. For example, the EIA-14 survey only has one data entry tab (“Crude Oil Costs and Volumes”); but the EIA-810 has four such tabs (“Refinery Inputs,” “Sulfur Content...,” “Refinery Operations,” and “Refinery Storage Capacity”). Click the appropriate tab and type in your data in the data entry fields.

Errors and Warnings tab: This tab’s screen displays a list of error/warning messages, and allows you to rerun the system edit checks by clicking the Refresh Edits button. Note that you must run the Validate Data option OR click the Refresh Edits to view the list of errors/warnings. PEDRO does not run the edit checks simply by clicking the “Errors and Warnings” tab.

6. After you have entered all of the data, to the best of your knowledge, for the respondent you selected, it is recommended that you run the PEDRO edit checks prior to submitting any data. To do so, either click the **Utility / Validate Data** option from the upper menu bar, or click the **Validate Data** button (displayed as a check mark in the button toolbar). Either option runs the system edits, and a “Data Validation Error” box is displayed, in which you can run through potential errors discovered by the system.

You can also run system edit checks by clicking the “Errors and Warnings” tab, and then click the **Refresh Edits** button at the bottom of the screen. If you use this option, the “Data Validation Error” box is not displayed; instead, a list of all possible errors is displayed on the “Errors and Warnings” tab screen, which you can then scroll through or print. Edit checks for each system are described in Appendix A, “Edit Checks.”

7. After running system edits, and cleaning up any errors (or explaining them with a “Comment”), you then submit your data to EIA. This is done using the PEDRO Communications module. Click the **Utility / Create a Transmission File** option from the upper menu bar, or click the **Create Transmission** button (displayed as a lightning bolt on the button toolbar). Either option will display a box showing your Submission Parameters, which can be updated as necessary. Click the **Continue** button to proceed with the transaction file creation.
8. Click **Yes** to open the PEDRO Communications Module. Your name and phone number will be displayed in the “Logon” box. Make any necessary corrections.
9. Your newly-created transmission file should be identified in the list displayed under the “Files to Send” tab when PEDRO Communications opens. Highlight the file you wish to send to EIA (it should have ok in the “Status” field), then Click the **File / Transmit** option from the upper menu bar, or click the **Transmit** button (displayed as a lightning bolt on the button toolbar). Either option will send your selected data file off to EIA. NOTE: You must first be sure that you are connected to EIA, either by LAN, Internet, etc. See Part 8, “The PEDRO Communications Module,” for details on setting up a LAN or Internet connection.
10. Follow these steps for each respondent in each survey for which you are responsible. For a detailed look at this process, including some features not mentioned in this overview, see the “Entering Data in the PEDRO System” (Part 5) of this document that follows.

Entering Data in the PEDRO System

In this version of PEDRO, all Surveys run more similarly than in prior versions of PEDRO. This section provides specific information on PEDRO procedures, commands and system functions which are common to each of the surveys. For information on the particular survey with which you are currently working, refer to the section describing that specific survey. Survey-specific sections begin following this “Running the PEDRO System” section of this manual.

The surveys are as follows:

- EIA-14 Refiners' Monthly Cost Report
- EIA-182 Domestic Crude Oil First Purchase Report
- EIA-782A Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report
- EIA-782B Resellers'/Retailers' Monthly Petroleum Product Sales Report
- EIA-782C Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption
- EIA-800 Weekly Refinery Report
- EIA-802 Weekly Product Pipeline Report
- EIA-803 Weekly Crude Oil Stocks Report
- EIA-804 Weekly Imports Report
- EIA-805 Weekly Terminal Blenders Report
- EIA-809 Weekly Oxygenate Report
- EIA-810 Monthly Refinery Report
- EIA-812 Monthly Product Pipeline Report
- EIA-813 Monthly Crude Oil Report
- EIA-814 Monthly Imports Report
- EIA-815 Monthly Terminal Blenders Report
- EIA-816 Monthly Natural Gas Liquids Report
- EIA-817 Monthly Tanker and Barge Movement Report
- EIA-819 Oxygenate Telephone Report

Opening a Survey

To open a desired survey in PEDRO, click the **PEDRO** icon on your Windows desktop. The following screen is displayed:

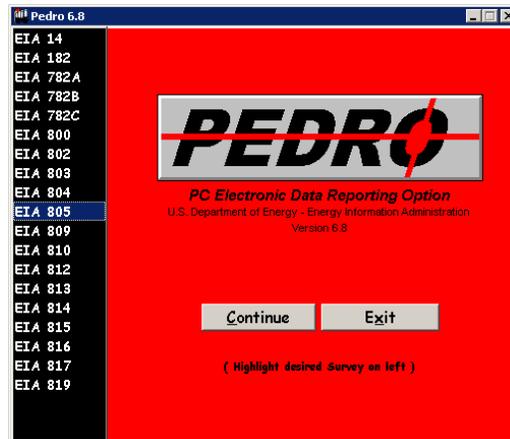


Figure 1. PEDRO Introduction Screen

Select the desired survey from the menu along the left side of the screen, and then click the **Continue** button.

The “Open Respondent” box for the selected survey is displayed. The EIA-782B is shown below as an example:

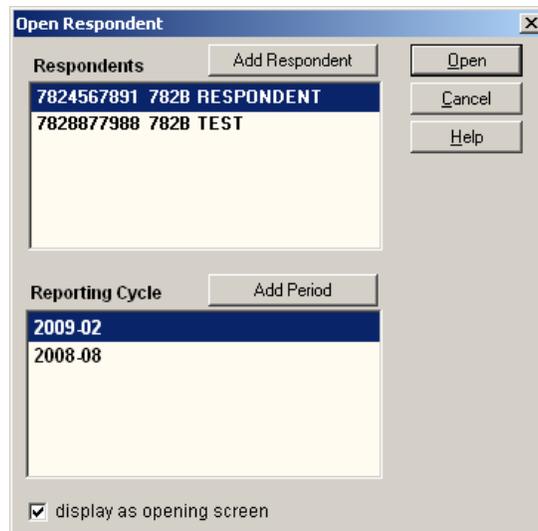


Figure 2. Open Respondent Box (sample from EIA-782B)

The user can select a respondent and a period for editing, or add a respondent and/or a period from this screen. If more than one respondent cycle is available, the most recent cycle will be highlighted as the default. You may skip this step if you wish to import survey data. For more information about file importation, see the “Import Data” section, at the end of Part 7 (“Other PEDRO Functions”).

NOTE: If you do not wish to view this screen when you initially open the selected survey, un-click the check box at the bottom of the "Open Respondent" box ("display as opening screen").

Add Respondent

If you wish to add a new respondent to the desired survey, click the **Add Respondent** button on the "Open Respondent" box, as shown below:

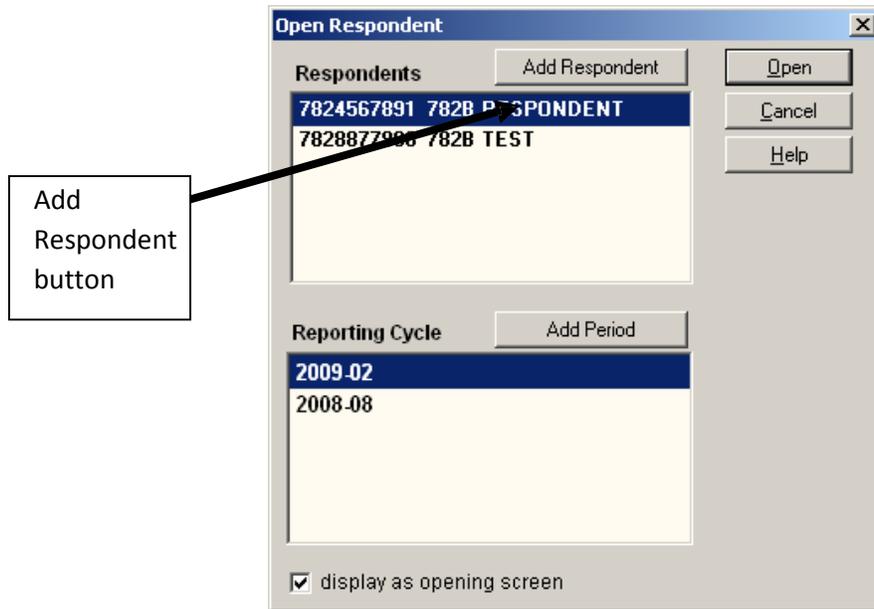


Figure 3. Add Respondent Button (sample from EIA-782B)

The following Add New Respondent screen is displayed:

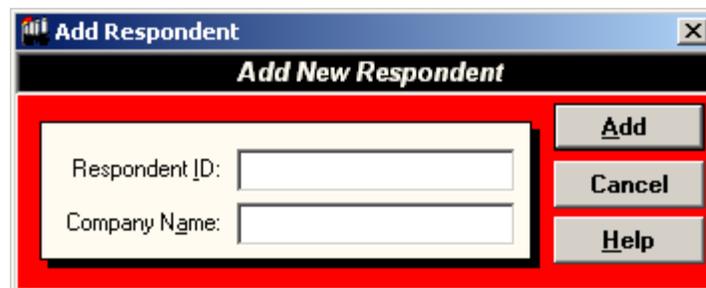


Figure 4. Add New Respondent box (sample from EIA-782B)

Type in the 10-digit ID number of the company you wish to add, and then press the Tab key to move to the "Company Name" box and type in the new company's name. If you do not know your EIA respondent ID number, contact the Electronic Data Support Staff on (202) 586-9659. Click the **Add** button to add the new company to the survey database. The "Open Respondent" box is re-displayed, and the just-added company will appear in the list of respondents.

NOTE: On some surveys, one or two additional fields are displayed on the Add Respondent screen for entering "Plant Name" and "API ID Number."

Add Period

If you wish to add a new period (a new month, for the EIA-14, EIA-182, and EIA-782 A, B, and C surveys), click the **Add Period** button on the "Open Respondent" box, as shown below:

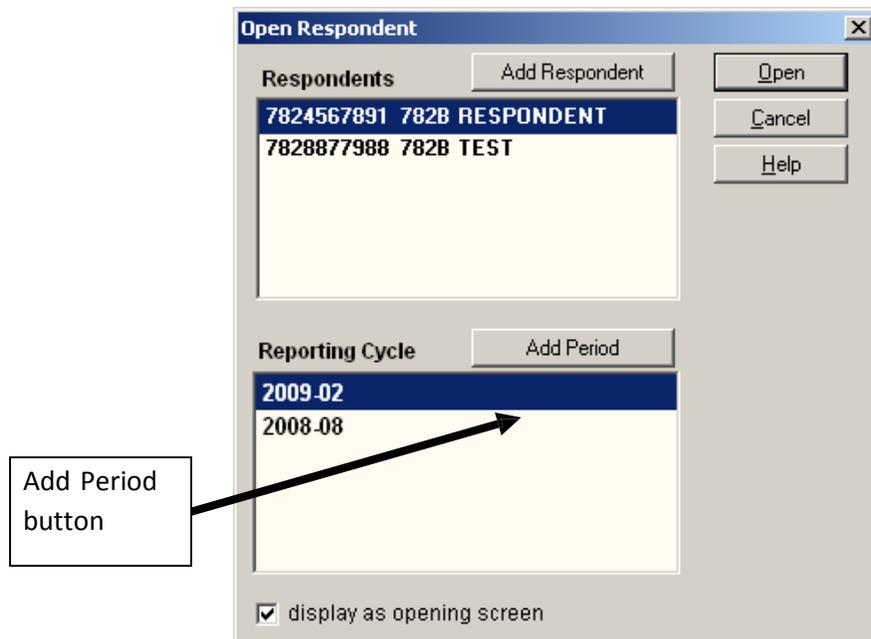


Figure 5. Add Period Button (sample from EIA-782B)

The following Add Reporting Cycle screen is displayed:

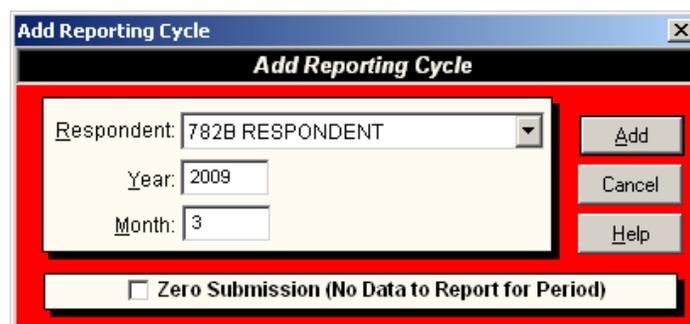


Figure 6. Add Reporting Cycle box (sample from EIA-782B)

Click arrow (as indicated above) to select the company’s name (for which you wish to add the new period) from the drop-down list in the “Respondent” box. You may also select “All Respondents” (of the displayed survey) if you wish to add this new period for every company currently entered in

PEDRO for this survey. Press the Tab key to move to the “Year” box, and type in the year, then the month, of the new reporting cycle. Click the “Zero Submission” check box at the bottom of the box *only* if there will be *no* data entered for this new period. Then click the **Add** button to add the new period to the survey database. The “Open Respondent” box is re-displayed, and the just-added period will appear beneath the list of respondents.

NOTE: The Weekly surveys (EIA-800 through EIA-805) include a box for “Day.” Enter the end date of the Reporting Cycle to be added (this date should always be a Friday).

Select a Respondent

After you have added the desired company and/or period as necessary, select the company you wish to edit or view from the “Open Respondent” box, as shown below:

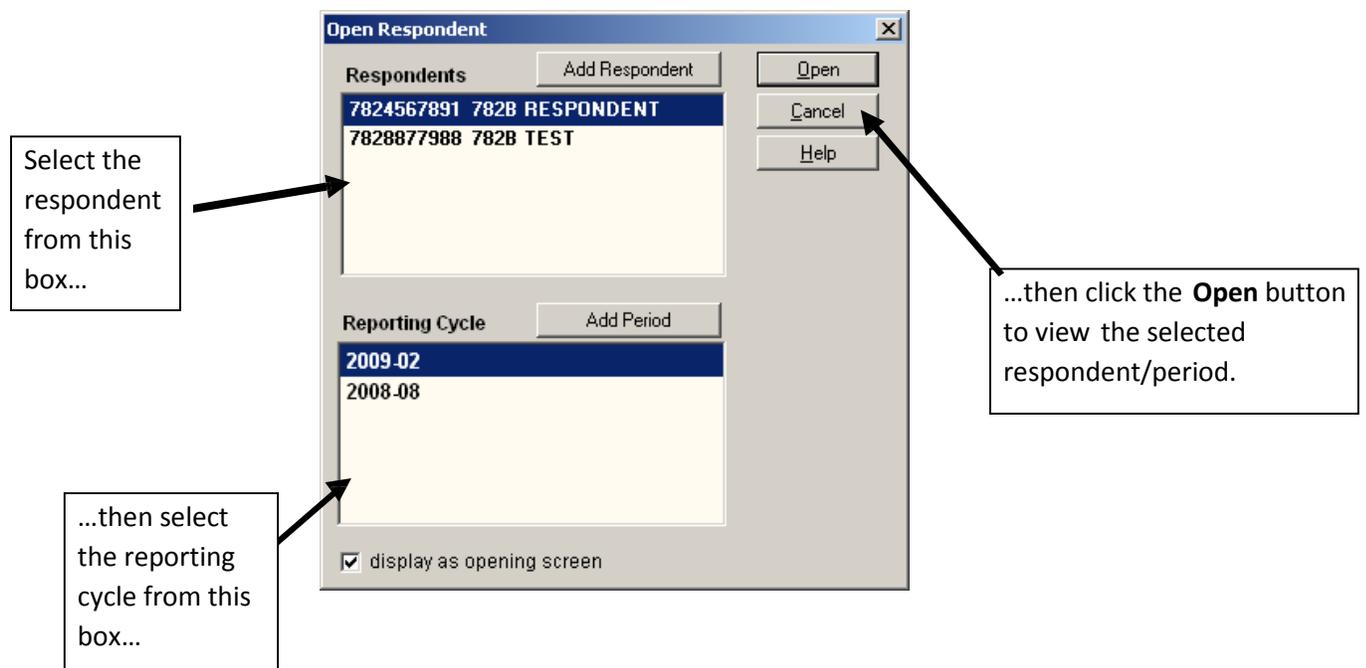


Figure 7. Select Respondent/Period (sample from EIA-782B)

The following PEDRO Main screen is displayed:

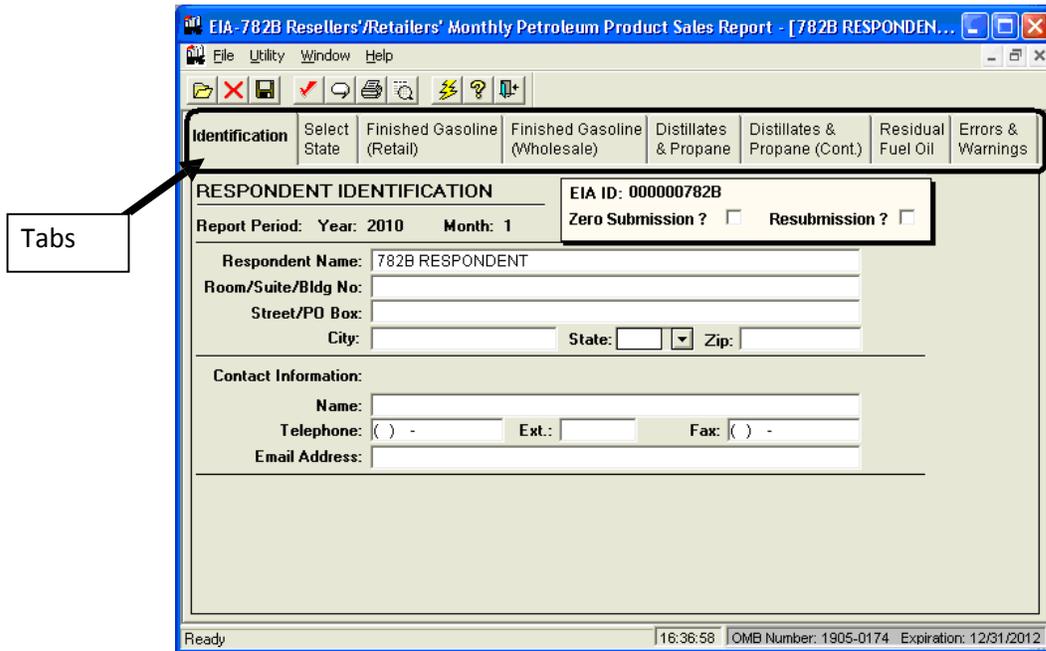


Figure 8. PEDRO Main Screen (sample from EIA-782B)

Note that the tabs on this screen (shown above) will differ significantly in appearance from survey to survey. However, general functionality is the same except where noted. The following survey-specific sections display the Main Screen and provide additional details for each PEDRO survey system.

Survey-Specific Screens and Procedures

This section contains descriptions and procedures for entering data in each of the PEDRO survey systems, along with detailed screen captures for each individual survey. The data entry screens are set up using the “tabbed notebook” method; clicking a labeled tab along the top portion of the screen will display that data entry screen. The tabbed screens into which data are entered differ from survey to survey. However, the **first** and **last** tabs are the same for every survey:

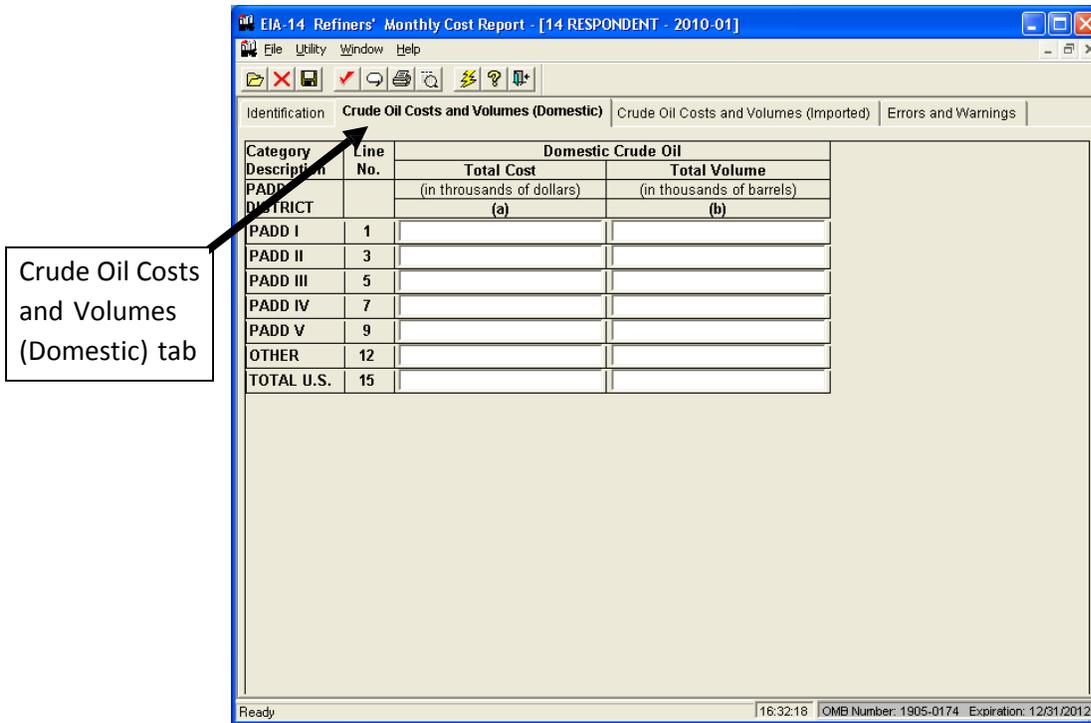
The first tab is **Identification**. Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable. Note that while the Identification tab screens are nearly identical for all surveys, there are exceptions: For example, the EIA-810 ID screen contains a field for entering “Refinery/Blending Plant Name” (which is not found in other surveys).

The final tab is **Errors and Warnings**. This screen’s functionality is the same for each survey throughout PEDRO. This tab is used to run edit checks for the survey data you’ve entered. See the “Validate Data” section of this manual for detailed instructions for viewing errors and warnings.

The data entry tabs that appear between the **Identification** and **Errors and Warnings** tabs are described in the remainder of this section.

EIA-14 Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.



Crude Oil Costs and Volumes Tab Screen: This screen is for Domestic data only. Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. For example, entries in the "Total Cost" field must be less than \$10,000. Also, entries in the Total Volume Field must be less than 1,000,000.

Crude Oil Costs and Volumes (Imported) Tab Screen: This screen is for Imported data only. Otherwise its appearance, functionality and data checks are the same as the tab screen displayed and described above.

EIA-182 Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Line No. (a)	State/Production Area (b)	Average Cost (c)	Total Volume (d)
ALABAMA			
3	Alabama Light		
4	Alabama Heavy		
5	Alabama Other		
ALASKA NORTH SLOPE			
6	ANS		
ALASKA SOUTH			
7	ALASKA SOUTH		
ARIZONA			
8	AZ Miscellaneous		
ARKANSAS			
9	AR Miscellaneous		
CALIFORNIA: MAINLAND			
10	Belridge South		
73	Coalinga		
74	Cymric		
11	Elk Hills		
13	Kern River		
75	Lost Hills		
14	Midway-Sunset		
17	Wilmington		
18	California Other		

Domestic Crude Oil First Purchases Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear

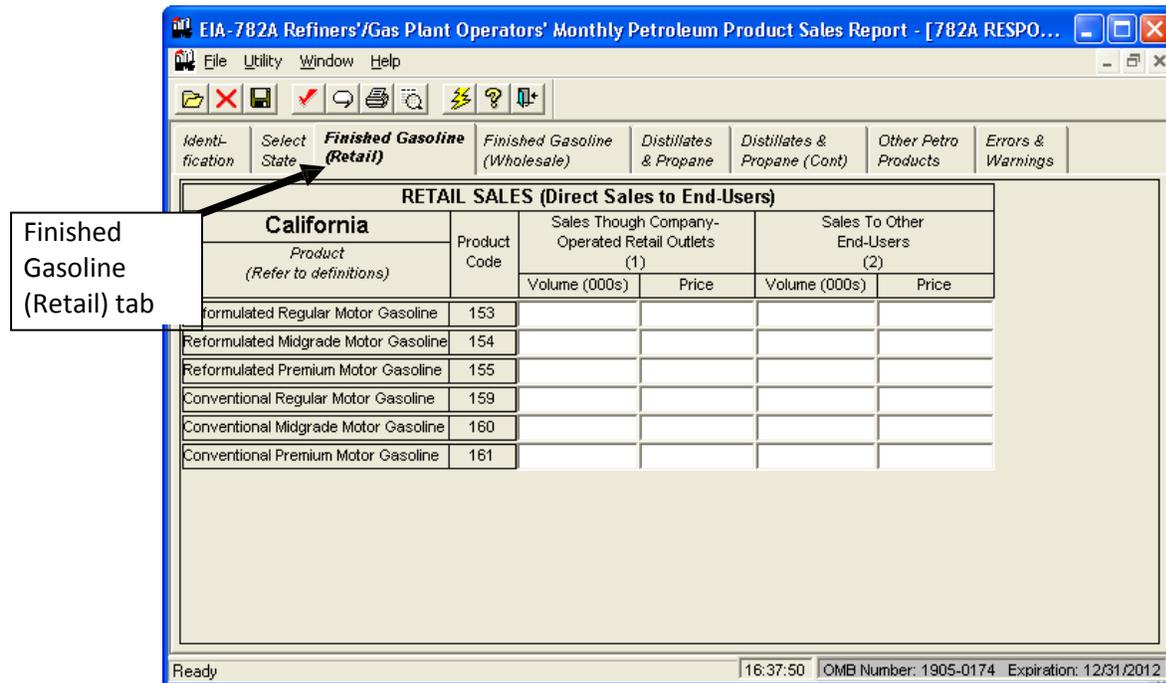
informing you of the range limits for that data entry. You must abide by these system limitations when entering data. For example, entries in the “Average Cost” field must be less than \$100.00.

EIA-782A Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Select State Tab Screen: In the 782A survey, you must first select the State for which you wish to enter data. Click on the button containing the desired State’s abbreviation. If this is a new State for this company, a confirmation box is displayed; click **Yes** to add the new state. Once a State is added, its abbreviation on this screen appears underlined and bolded. Click on the desired State and its full name will appear in the “Current State” box, as shown above. Click the radio button in the lower portion of the screen next to the term that best describes the selected firm, as shown above. To

remove a State from this firm, click on its abbreviation (so that the State name appears in the Current State box), then click the **Remove Current State** button (to the right of the “Current State” box).



Finished Gasoline (Retail) Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data. For example, entries in the “Volume” fields must be less than 1,000,000. Also, data in the “Price” fields must be less than \$10.00.

Each of the other data tabs -- **Finished Gasoline (Wholesale)**, **Distillates and Propane**, **Distillates and Propane (Cont)**, and **Other Petro Products** --display similarly-formatted data with the same range restrictions. Click each of these tabs to view and/or edit the corresponding data.

EIA-782B Data Entry Screens

The EIA-782B data entry screen is the same as the 782A screen, with the following exception:

Instead of **Other Petro Products** as the final data entry tab, the 782B lists **Residual Fuel Oil**.

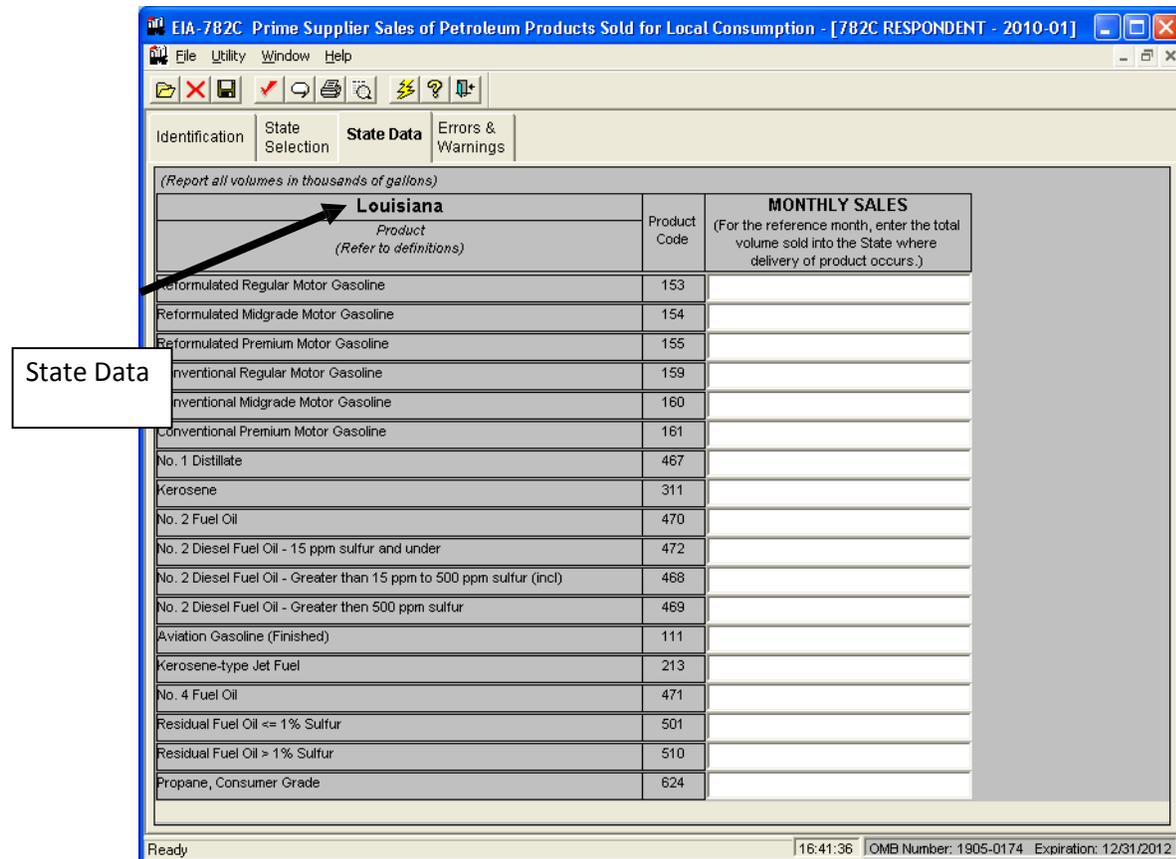
EIA-782C Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

State Selection Tab Screen: In the 782C survey, you must first select the State for which you wish to enter data. Click on the button containing the desired State’s abbreviation. If this is a new State for this

company, a confirmation box is displayed; click **Yes** to add the new State. Once a State is added, the abbreviation on this screen appears underlined and bolded. Click on the desired State and its full name will appear in the “Current State” box, as shown above. Click the radio button in the lower portion of the screen next to the term that best describes the selected firm, as shown in the “EIA-782A Data Entry Screens” section.

To remove a State from this firm, click on its abbreviation (so that the State name appears in the Current State box), then click the **Remove Current State** button (to the right of the “Current State” box).



State Data Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data. For example, entries in the “Monthly Sales” field must be less than 1,000,000.

EIA-800 Data Entry Screens

EIA-800 Weekly Refinery Report

NEW 800 COMPANY / NEW 800 PLANT - 2010-01-08

Identification | Refinery and Fractionator Activity | Errors and Warnings

RESPONDENT IDENTIFICATION EIA ID: 800000000

Period: Year: 2010 Month: 1 Day: 8 Zero Submission? Resubmission?

Respondent Name: NEW 800 COMPANY

Doing Business As:

Physical Address:

Street/Suite/Bldg No:

City: State: Zip:

Mailing Address:

Street/Suite/Bldg No:

City: State: Zip:

Refinery/Blending Plant Name: NEW 800 PLANT

Terminal Control Number (TCN):

Contact Information:

Name:

Telephone: () - Ext.: Fax: () -

Email Address:

Ready | 09:28:20 | OMB Number: 1905-0165 | Expiration: 1/31/2013

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

EIA-800 Weekly Refinery Report

NEW 800 COMPANY / NEW 800 PLANT - 2010-01-08

Identification | **Refinery and Fractionator Activity** | Errors and Warnings

Item Description	Product Code	Input	Production	Ending Stocks
Gross Input to Atmospheric Crude Oil Distillation Units	990			
Total Inputs (net, see instructions)	001			
Crude Oil	050			
Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)	242			
Propane/Propylene	246			
Unfinished Oils	812			
Fuel Ethanol	141			
Finished Motor Gasoline:				
Reformulated, Blended with Fuel Ethanol	125			
Reformulated, Other	127			
Conventional, Blended with Fuel Ethanol				
Ed55 and Lower	166			
Greater than Ed55	149			
Conventional, Other	130			
Motor Gasoline Blending Components:				
Reformulated Blendstock for Oxygenate Blending (RBOB)	118			
Conventional Blendstock for Oxygenate Blending (CBOB)	139			
Gasoline Treated as Blendstock (GTAB)	117			

Ready | 09:29:30 | OMB Number: 1905-0165 | Expiration: 1/31/2013

Refinery and Fractionator Activity tab

Refinery and Fractionator Activity Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear

informing you of the range limits for that data entry. You must abide by these system limitations when entering data. For example, entries in the “Input” or “Stocks” fields must be less than 100,000.

EIA-802 and EIA-803 Data Entry Screens

The EIA-802 and EIA-803 screens are very similar to the EIA-801 screens, with the following exceptions:

- the EIA-803 screen displays an addition tab for **Volumes**, for entering “Diesel Fuel Downgraded” data
- the EIA-803 screen displays a tab for Crude Oil Stocks, instead of Terminal Stocks

The data validations work the same way (entered “PADD” data must be less than 100,000) for the EIA-801, EIA-802, and EIA-803.

EIA-804 Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Item Description	Product Code	PADD 1			PADD 2	PADD 3	PADD 4	PADD 5	TOTAL U.S.
		1A	1B	1C	200	300	400	500	999
Crude Oil	020								
Crude Oil for Delivery to U.S. Strategic Petroleum Reserve	024								
Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRO):	242								
Propane/Propylene	246								
Fuel Ethanol	141								
Finished Motor Gasoline:									
Reformulated, Blended with Fuel Ethanol	125								
Reformulated, Other	127								
Conventional, Blended with Fuel Ethanol:									
Ed55 and Lower	166								
Greater than Ed55	149								
Conventional, Other	130								

Imports Activity Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data. For example, entries in the “PADD” fields must be less than 100,000.

Total U.S. Crude Oil Imports by Country of Origin (Thousand Barrels)						
Algeria 125	Angola 145	Argentina 150	Australia 160	Azerbaijan 115	Brazil 220	Canada 260
Cameroon 257	Chad 273	China,P.R. 280	Colombia 285	Rep. of Congo 290	Ecuador 325	Equatorial Guinea 332
Gabon 388	Guatemala 415	Indonesia 458	Iran 460	Iraq 465	Kuwait 520	Libya 550
Mexico 595	Nigeria 670	Norway 685	Oman 616	Russia 805	Saudi Arabia 785	Thailand 875
Trinidad 887	U.Kingdom 925	Venezuela 940	Vietnam 945	Other 777		

Imports by
Country of
Origin tab

Imports by Country of Origin Tab Screen: Enter the appropriate data in the displayed fields. Entries in any of the Country fields must be less than 100,000.

EIA-805 Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Item Description	Product Code	Input	Production	Ending Stocks
Oxygenates, Renewable Fuels, Natural Gas Plant Liquids, and Liquefied Refinery Gases:	003			
Natural Gas Plant Liquids (NPL) and Liquefied Refinery Gases (LRG):*	242			
Propane/Propylene	246			
Propylene	624			
Gasoline:	141			
Blended with Fuel Ethanol	125			
Other	127			
Blended with Fuel Ethanol:				
Ed55 and Lower	166			
Greater than Ed55	149			
Conventional, Other	130			
Motor Gasoline Blending Components:				
Reformulated Blendstock for Oxygenate Blending (RBOB)	118			
Conventional Blendstock for Oxygenate Blending (CBOB)	139			
Gasoline Treated as Blendstock (GTAB)	117			
All Other Motor Gasoline Blending Components	138			
Kerosene-Type Jet Fuel	213			
Kerosene	311			
Distillate Fuel Oil:				
15 ppm sulfur and under	465			
Greater than 15 ppm to 500 ppm sulfur (incl.)	466			
Greater than 500 ppm sulfur	467			
Residual Fuel Oil	511			
Unfinished Oils	812			
Asphalt & Road Oil	931			
Total	999			

Refinery Inputs Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data.

EIA-809 Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Item Description	Product Code	Production	End of Week Stocks
Fuel Ethanol, Denatured	190		
Fuel Ethanol, Undenatured	191		

Oxygenate Activity tab

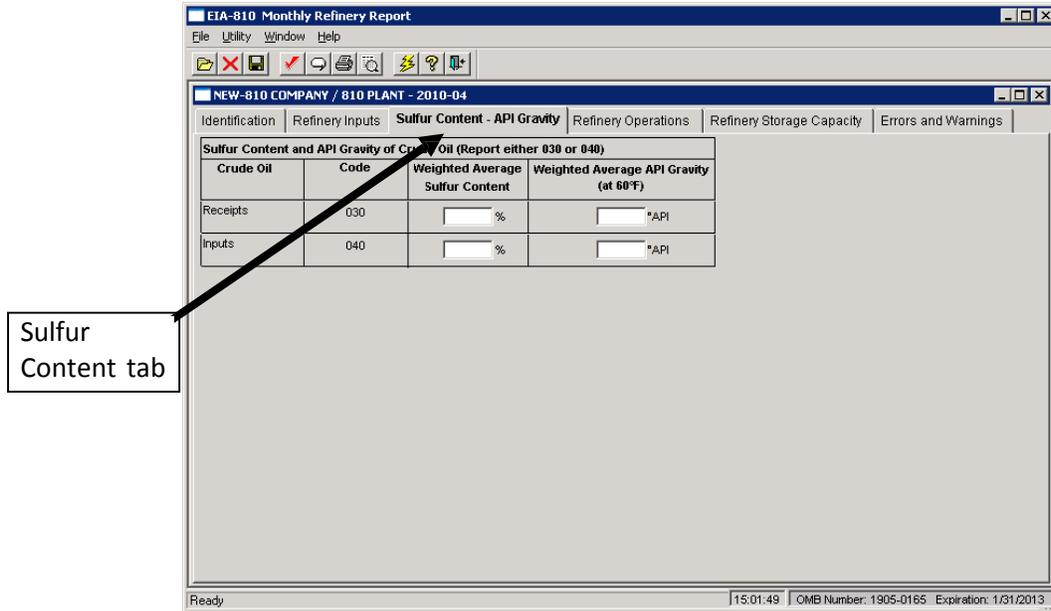
Oxygenate Activity Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data.

EIA-810 Data Entry Screens

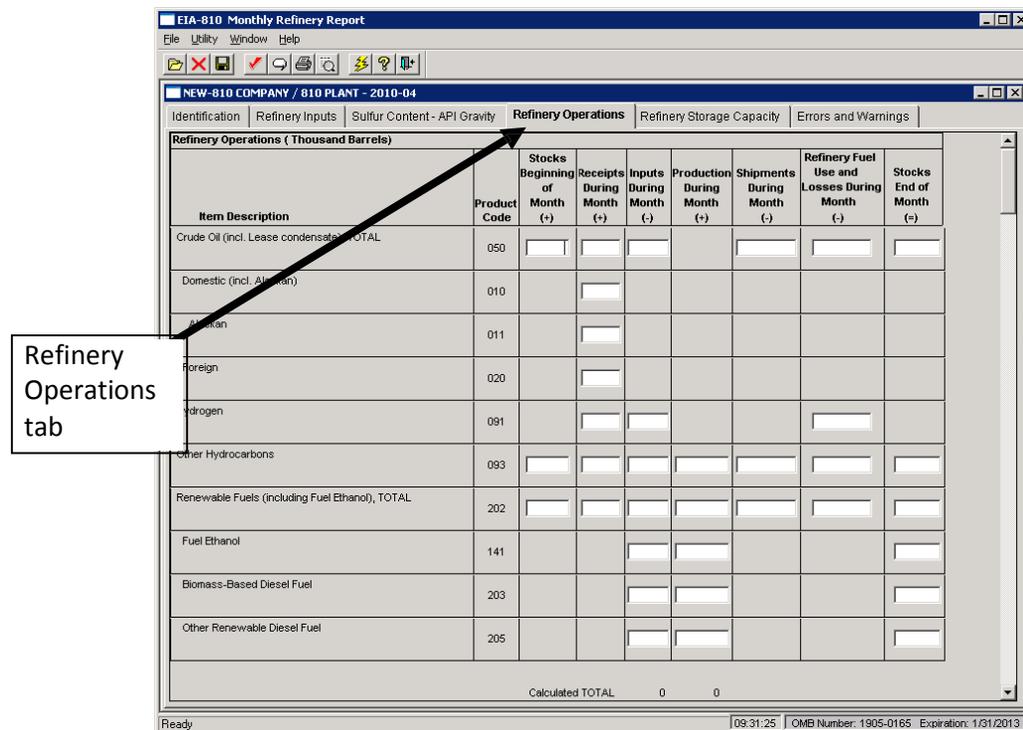
Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Refinery Inputs and Capacity	Code	Quantity
Gross Input to Atmospheric Crude Oil Distillation Units	990	
Fresh Feed Input to Downstream Processing Units:		
Catalytic Reformer	490	
Catalytic Cracking	491	
Catalytic Hydrocracking	492	
Fluid and Delayed Coking	493	
Operable Capacity of Atmospheric Crude Oil Distillation Units On the First Day of the Month (Barrels per Calendar Day):		
Operating	399	
Idle	400	
Total Operable	401	

Refinery Inputs Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data. For example, entries in the “Quantity” field must be less than 100,000.



Sulfur Content Tab Screen: As on the **Refinery Inputs** tab screen, enter the appropriate data in the displayed fields. Entries in the “Weighted Average Sulfur Content” fields must be less than 10 and contain no more than 2 decimal places; data entered in the “Weighted Average API Gravity” fields must be less than 100 and contain no more than 2 decimal places.



Refinery Operations Tab Screen: Enter the appropriate data in the displayed fields. Entries in all fields must be less than 100,000.

EIA-810 Monthly Refinery Report

NEW-810 COMPANY / 810 PLANT - 2010-04

Identification | Refinery Inputs | Sulfur Content - API Gravity | Refinery Operations | **Refinery Storage Capacity** | Errors and Warnings

Refinery Storage Capacity (Thousand Barrels)

Item Description	Product Code	Working	Shell			Total Shell
			In Operation	Idle		
Crude Oil	050	<input type="text"/>				
Fuel Ethanol	141	<input type="text"/>				
Natural Gas Plant Liquids and Liquefied Refinery Gases	242	<input type="text"/>				
Propane/Propylene (dedicated)	246	<input type="text"/>				
Motor Gasoline (including Blending Components)	131	<input type="text"/>				
Distillate Fuel Oil	411	<input type="text"/>				
Kerosene and Kerosene-Type Jet Fuel	308	<input type="text"/>				
Residual Fuel Oil	511	<input type="text"/>				
Asphalt and Road Oil	931	<input type="text"/>				
All Other	332	<input type="text"/>				
Total	999	<input type="text"/>				
Calculated TOTAL		0	0	0	0	0

Ready | 09:32:40 | OMB Number: 1905-0165 | Expiration: 1/31/2013

Refinery Storage Capacity Tab Screen: On this screen, enter the appropriate data in the displayed fields. Entries in all fields must be less than 100,000.

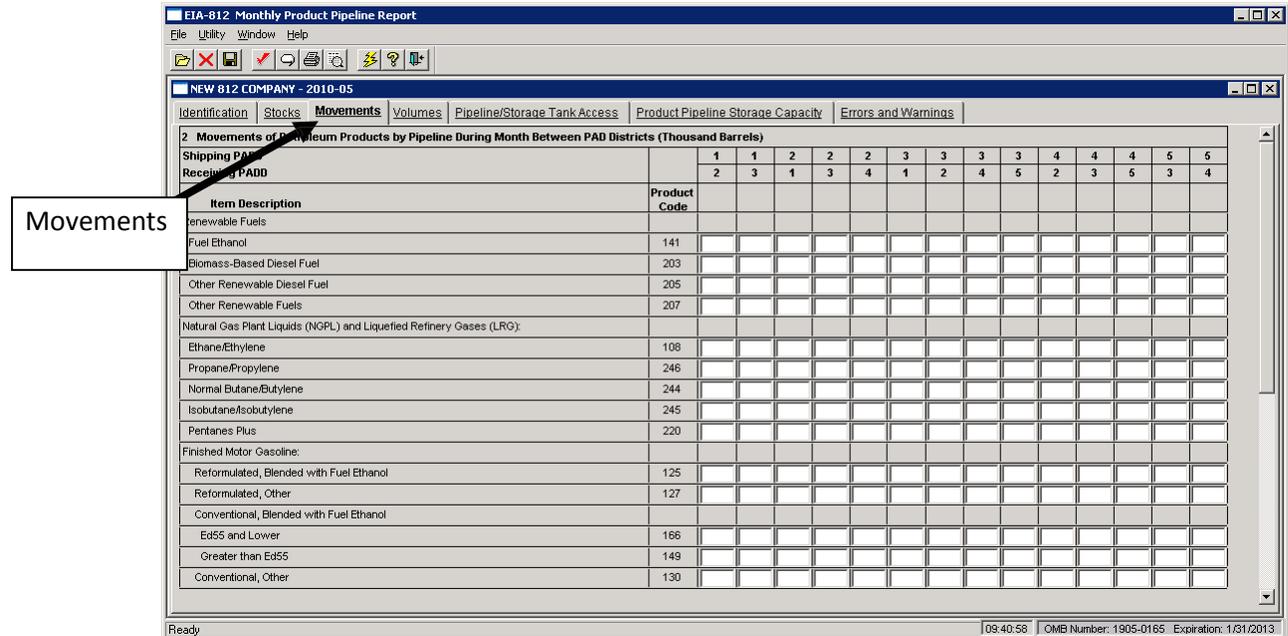
EIA-812 Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

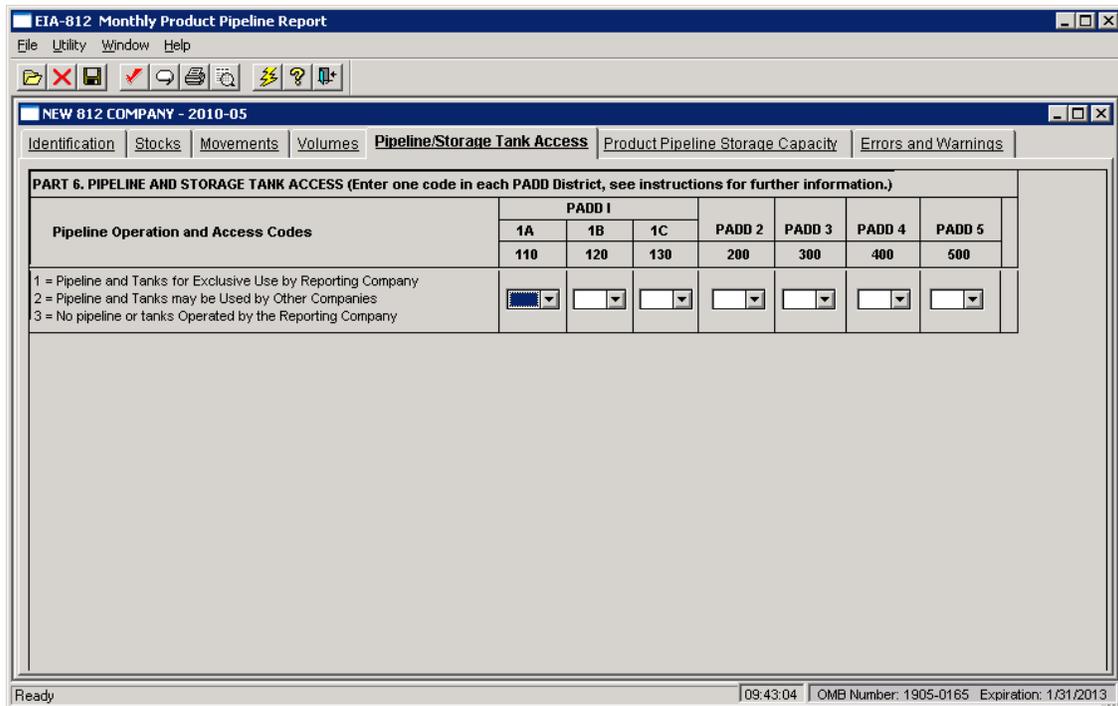
Item Description	Product Code	PADD 1					PADD 2	PADD 3	PADD 4	PADD 5	TOTAL U.S.
		1A	1B	1C							
Renewable Fuels:		110	120	130	200	300	400	500	999		
Fuel Ethanol	141										
Biomass-Based Diesel Fuel	203										
Other Renewable Diesel Fuel	205										
Other Renewable Fuels	207										
Oxygenates (Excluding Fuel Ethanol)											
Ethyl tertiary butyl ether (ETBE)	142										
Methyl tertiary butyl ether (MTBE)	144										
Other Oxygenates	445										
Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)											
Ethane/Ethylene	108										

Stocks Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data.

For example, entries in the “PADD” fields must be less than 100,000. Note that there is a scroll bar along the right side of this screen, for viewing the lower portion of the Stocks data entry section.



Movements Tab Screen: As on the **Stocks** tab screen, enter the appropriate data in the displayed fields. Entries in any fields must be less than 100,000. Note that there is a scroll bar along the right side of this screen, for viewing the lower portion of the **Movements** data entry section.



Pipeline and Storage Tank Access Tab Screen: On this screen, select one code in each applicable PADD District, as explained in the form instructions.

Item Description	Product Code	PADD 1			PADD 2	PADD 3	PADD 4	PADD 5	TOTAL U.S.
		A	B	1C					
		110	120	130	200	300	400	500	999
Fuel Ethanol									
Working	141								
Shell (Total)									
Idle									
In Operation									
Natural Gas Plant Liquids and Liquefied Refinery Gases (Includes ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, isobutylene, and pentanes plus stored separately or in mixes.)									

Product Pipeline Storage Capacity Tab Screen: On this screen, enter the appropriate data into the PADD district and Total U.S. columns.

RESPONDENT IDENTIFICATION

EIA ID: 1111111111

Period: Year: 2011 Month: 3

Zero Submission? Resubmission?

Respondent Name: NEW 812 COMPANY

Doing Business As: _____

Physical Address:

Street/Suite/Bldg No: _____

City: _____ State: _____ Zip: _____

Mailing Address:

Street/Suite/Bldg No: _____

City: _____ State: _____ Zip: _____

Contact Information:

Name: _____

Telephone: () - _____ Ext.: _____ Fax: () - _____

Email Address: _____

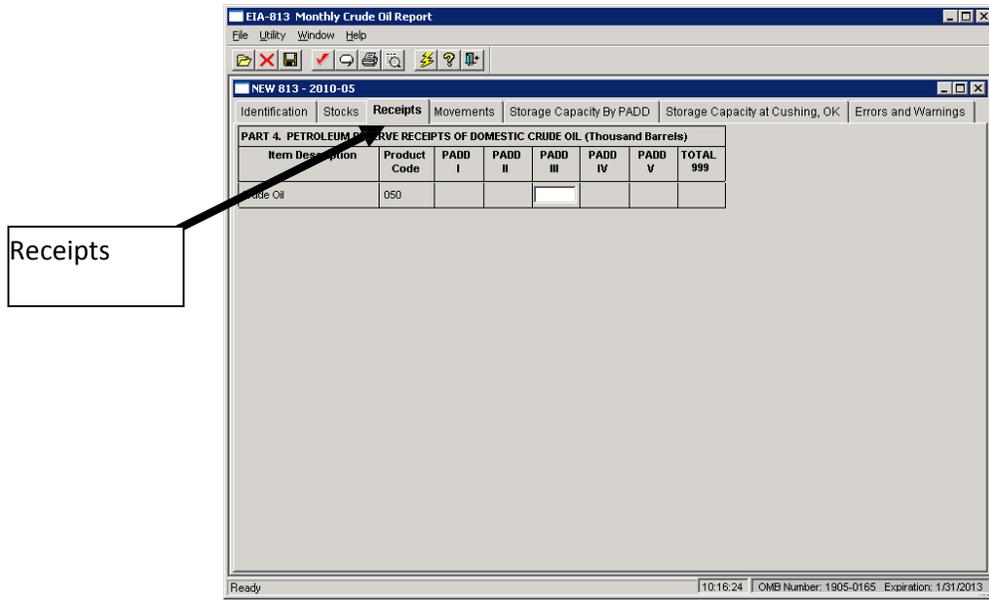
Stocks in Tanks and Underground Storage Tab Screen: The collection of Stocks in Tanks and Underground Storage data was added to the EIA-812 form in 2011. On this screen, enter the appropriate data into the PADD district and Total U.S. columns.

EIA-813 Data Entry Screens

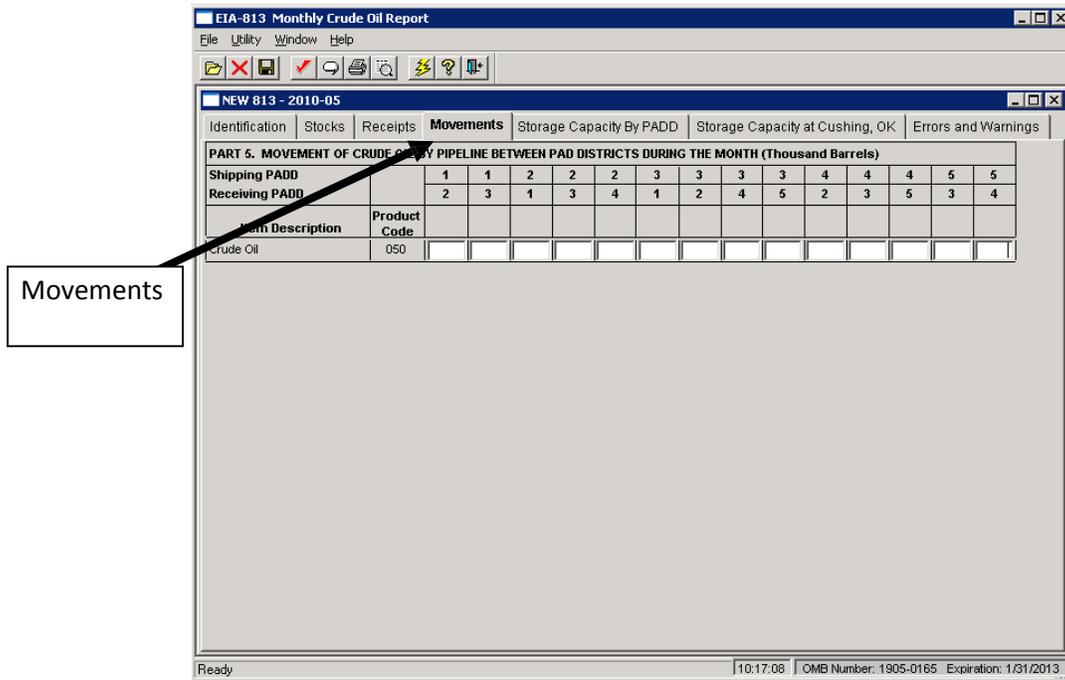
Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Item Description	Product Code	PADD I	PADD II	PADD III	PADD IV	PADD V	TOTAL 999
Pipeline/Tank Farm Stocks	056						
Cushing, Oklahoma Stocks	053						
Lease Stocks	057						
Alaskan Crude Oil in Transit by Water	092						

Stocks Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data. For example, entries in the “PADD” fields must be less than 100,000.



Receipts Tab Screen: As on the **Stocks** tab screen, enter the appropriate data in the displayed field (PADD III's Crude oil (050)). Entries in any fields must be less than 100,000.



Movements Tab Screen: As on the **Stocks** tab screen, enter the appropriate data in the displayed fields. Entries in any fields must be less than 100,000.

PART 6. CRUDE OIL STORAGE CAPACITY OF TANKFARMS BY PADD DISTRICT (Thousand Barrels)
 Exclude pipeline storage capacity.

Item Description	Product Code	PADD 1	PADD 2 (include Cushing, Oklahoma)	PADD 3	PADD 4	PADD 5	TOTAL U.S.
Working Storage Capacity	056						
Shell Storage Capacity							
Idle							
In Operation (Exclusive Use)							
In Operation (Leased To Others)							

Storage Capacity by PADD Tab Screen: On this screen, enter the appropriate data in thousands of barrels.

PART 7. CRUDE OIL STORAGE CAPACITY OF TANKFARMS1 AT CUSHING, OKLAHOMA
 Report quantities in thousand barrels. Exclude pipeline storage capacity.
 Report crude oil storage capacity of tankfarm facilities in Lincoln, Payne, and Creek counties of Oklahoma.

Item Description	Product Code	(include Cushing, Oklahoma)
Working Storage Capacity	053	0
Shell Storage Capacity		
Idle		0
In Operation (Exclusive Use)		0
In Operation (Leased To Others)		0

Storage Capacity at Cushing, OK Tab Screen: On this screen, enter the appropriate data in thousands of barrels.

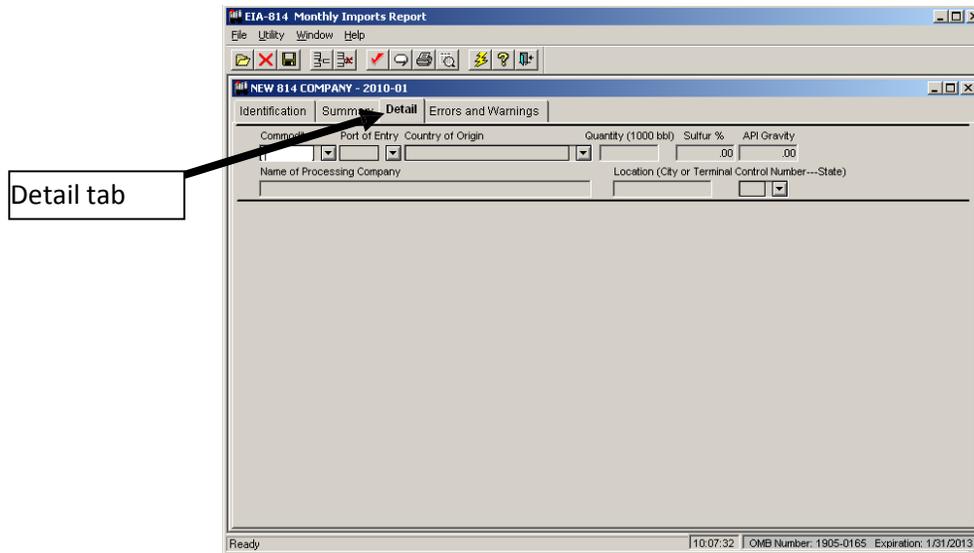
PART 8. STOCKS IN TANKS AND UNDERGROUND STORAGE (Thousand Barrels)							
Item Description	Product Code	PADD I	PADD II	PADD III	PADD IV	PADD V	TOTAL 999
Stocks in Tanks and Underground Storage (Total)	056						
Cushing, Oklahoma	053						

Stocks in Tanks and Underground Storage Tab Screen: The total collection of Crude Oil Storage Capacity data and at Cushing, Oklahoma, was added to the EIA-813 form in 2011. On this screen, enter the appropriate data in thousands of barrels.

EIA-814 Data Entry Screens

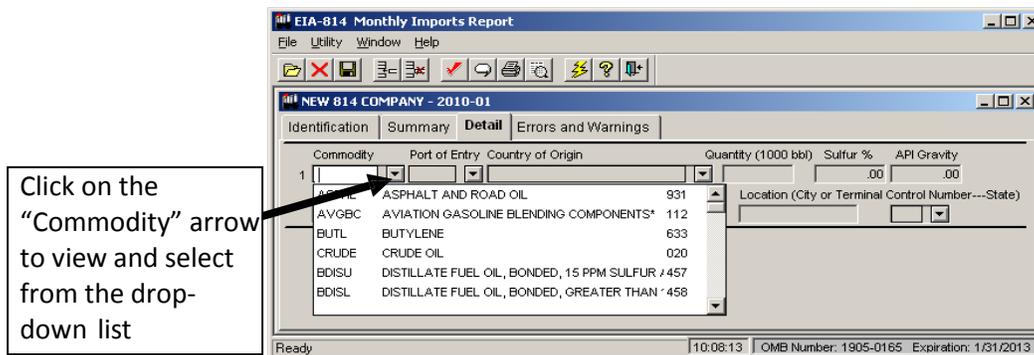
Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Summary Tab Screen: Summary data are entered in this screen. Enter the “Total Number of Line Entries” reported in the appropriate box; this number should reflect the number of line entries you list under the **Detail** tab. Next, enter the “Total Quantity Reported,” which should equal the total quantity of all lines under the **Detail** tab. Each entry must be less than 100,000.



Detail Tab Screen: Enter the following data on this screen: Commodity (type of fuel that your company imports); Port of Entry (entry point where fuel was delivered); Country of Origin (country from which fuel was shipped); Quantity (amount of fuel received). The data entry process is described below:

First, select a “Commodity” type by clicking on the arrow to the right of the field, as shown below:



The data entry fields that are displayed are dependent on the type of commodity selected. For example, if you select “CRUDE OIL, FOREIGN” as your commodity, the “Sulfur %” and “API Gravity” fields become active (they are grayed-out for most commodity types). Also, the “Name of Processing Field” becomes active, as does the city and State fields. When a field becomes active on this **Detail** screen (changes from grey to white), it should not be left blank (an active field that is left blank will generate an error message when validation is run).

Next, select the “Port of Entry” from the drop-down list of U.S. cities (plus Puerto Rico and the Virgin Islands), listed alphabetically by State.

Then select the “Country of Origin” from the drop-down list of countries that export to the U.S. This list is also displayed alphabetically.

Enter the “Quantity” in the next field (must be less than 100,000). Then fill in any other fields for the selected commodity that are active (not grayed out).

Insert a Row / Delete a Row buttons

NOTE: There are two buttons on the EIA-814 toolbar that are unique to the EIA-814 survey:



Click the left button (**Insert a Row**) to insert a new row on the **Details** screen, thereby allowing you to enter a different “Commodity” and its associated data.

The right button is used to delete a row. Click anywhere within the row you wish to remove, then click the **Delete a Row** button to delete the selected row. A confirmation box is displayed, to make sure you wish to delete the selected row/commodity.

EIA-815 Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

Rem Description	Product Code	Stocks Beginning of Month (+)	Receipts During Month (+)	Inputs During Month (-)	Production During Month (+)	Shipments During Month (-)	Refinery Fuel Use and Losses During Month (-)	Stocks End of Month (+)
Renewable Fuels:								
Fuel Ethanol	141							
Biomass-Based Diesel Fuel	203							
Other Renewable Diesel Fuel	205							
Other Renewable Fuels	207							
Oxygenates (excluding Fuel Ethanol):								
Ethyl Tertiary Butyl Ether (ETBE)	142							
Methyl Tertiary Butyl Ether (MTBE)	144							
Other Oxygenates	445							
Natural Gas Plant Liquids and Liquefied Refinery Gases, TOTAL	242							

Terminal and Blending Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data.

Are any tanks at this terminal used for trans-shipment of products by pipeline or other transportation modes? Enter yes (Y) or no (N) in the box.

Bulk Terminal Storage Capacity (Thousand Barrels)

Item Description	Product Code	Working	Shell			
			In Operation		Idle	Total Shell
			Exclusive Use	Leased To Others		
Fuel Ethanol	141					
Natural Gas Plant Liquids and Liquefied Refinery Gases	242					
Propane/Propylene (dedicated)	246					
Motor Gasoline (Including Blending Components)	131					
Distillate Fuel Oil	411					
Kerosene and Kerosene-Type Jet Fuel	308					
Residual Fuel Oil	511					
Asphalt And Road Oil	931					
All Other	332					
Total	999					

Bulk Terminal Storage Capacity Tab Screen: On this screen, Check **Yes** or **No** to indicate if your company uses any tanks for trans-shipment of products by pipeline or other mode, then enter the appropriate data in thousands of barrels.

EIA-816 Data Entry Screens

EIA-816 Monthly Natural Gas Liquids Report

NEW 816 COMPANY / NEW 816 PLANT - 2010-01

Identification | Natural Gas Liquids Activity | Errors and Warnings

RESPONDENT IDENTIFICATION EIA ID: 8160000000
 Zero Submission ? Resubmission ?

Period: Year: 2010 Month: 1

Respondent Name: NEW 816 COMPANY

Doing Business As: _____

Physical Address:

Street/Suite/Bldg No: _____

City: _____ State: _____ Zip: _____

Mailing Address:

Street/Suite/Bldg No: _____

City: _____ State: _____ Zip: _____

Facility Name: NEW 816 PLANT

Terminal Control Number (TCN): _____

Contact Information:

Name: _____

Telephone: () - _____ Ext.: _____ Fax: () - _____

Email Address: _____

Ready | 10:12:03 | OMB Number: 1905-0165 Expiration: 1/31/2013

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

EIA-816 Monthly Natural Gas Liquids Report

NEW 816 COMPANY / NEW 816 PLANT - 2010-01

Identification | **Natural Gas Liquids Activity** | Errors and Warnings

Natural Gas Liquids Activity (Thousand Barrels)

Rem Description	Product Code	Stocks Beginning of Month	Receipts During Month	Inputs During Month	Production During Month	Shipments During Month	Plant Fuel Use and Losses	Stocks End of Month
Ethane	243							
Propane	248							
Normal Butane	249							
Isobutane	247							
Pentanes Plus	220							

Ready | 10:12:32 | OMB Number: 1905-0165 Expiration: 1/31/2013

Natural Gas Liquids Activity Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data. Entries in any of the Activity fields must be less than 100,000.

EIA-817 Data Entry Screens

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

1 Tanker and Barge Movement (Thousand Barrels)		1	1	1	2	2
Shipping PADD		1	1	1	2	2
Receiving PADD, Sub-PADD		2	3	5	1	3
Item Description	Product Code					
Crude Oil	050					
Renewable Fuels:						
Fuel Ethanol	141					
Biomass-Based Diesel Fuel	203					
Other Renewable Diesel Fuel	205					
Other Renewable Fuels	207					

Movement 1 Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data. Entries in any of the Activity fields must be less than 100,000. Note that there is a scroll bar along the right side of this screen, for viewing the lower portion of the **Movements** data entry section.

Movement 2 and 3 tabs display screens similar to **Movement 1**, with the same data checks.

EIA-819 Data Entry Screens

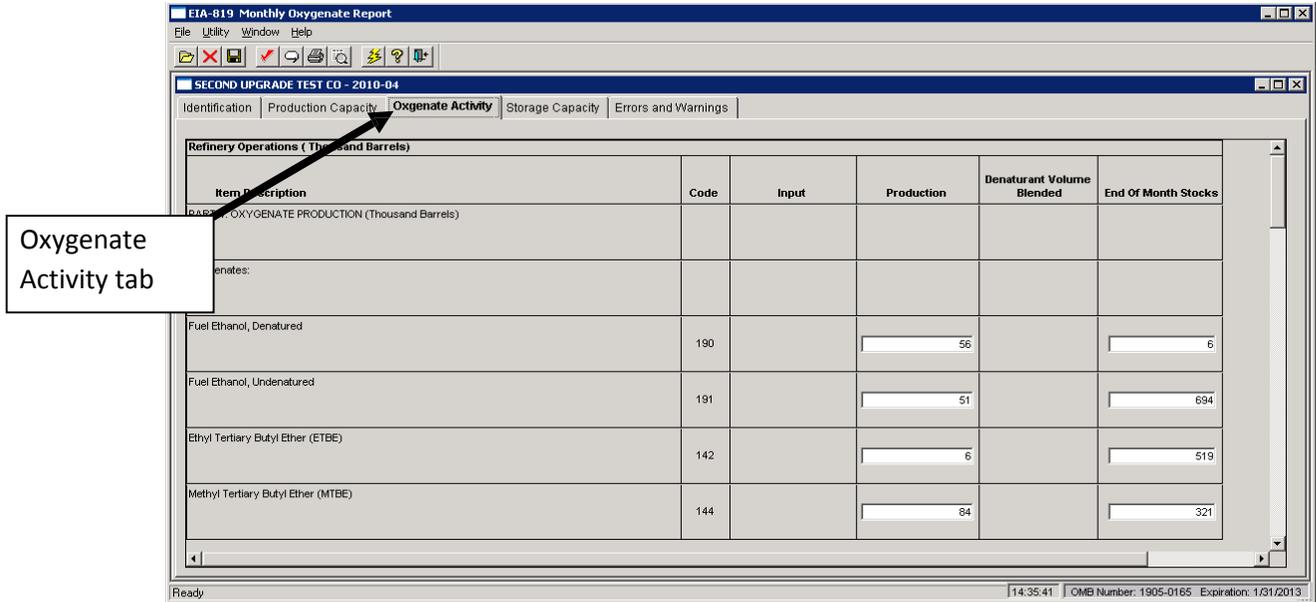
The screenshot shows the 'EIA-819 Monthly Oxygenate Report' application window. The title bar reads 'NEW 819 COMPANY - 2010-04'. The 'Identification' tab is selected, showing a 'RESPONDENT IDENTIFICATION' section. The EIA ID is 8198198190. The period is set to Year 2010, Month 4. There are checkboxes for 'Zero Submission?' and 'Resubmission?'. The form includes fields for Respondent Name (NEW 819 COMPANY), Doing Business As, Physical Address (Street/Suite/Bldg No., City, State, Zip), Mailing Address (Street/Suite/Bldg No., City, State, Zip), and Contact Information (Name, Telephone, Ext., Fax, Email Address).

Identification Tab Screen: Enter all available identification information for your company in the appropriate boxes. Click the “Zero Submission” or “Resubmission” boxes if applicable.

The screenshot shows the 'EIA-819 Monthly Oxygenate Report' application window. The title bar reads 'SECOND UPGRADE TEST CO - 2010-04'. The 'Production Capacity' tab is selected. A callout box labeled 'Production Capacity tab' has an arrow pointing to the 'Production Capacity' tab. The main content area displays a table titled 'Fuel Ethanol Production Capacity as of January 1 (million denatured gallons per year)'. The table has four columns: Item Description, Code, Nameplate Capacity, and Maximum Sustainable Over a 6 month period. The first row shows 'Fuel Ethanol Production Capacity' with Code 190, Nameplate Capacity 0, and Maximum Sustainable Over a 6 month period 0.

Item Description	Code	Nameplate Capacity	Maximum Sustainable Over a 6 month period
Fuel Ethanol Production Capacity	190	0	0

Production Capacity Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for either field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data.

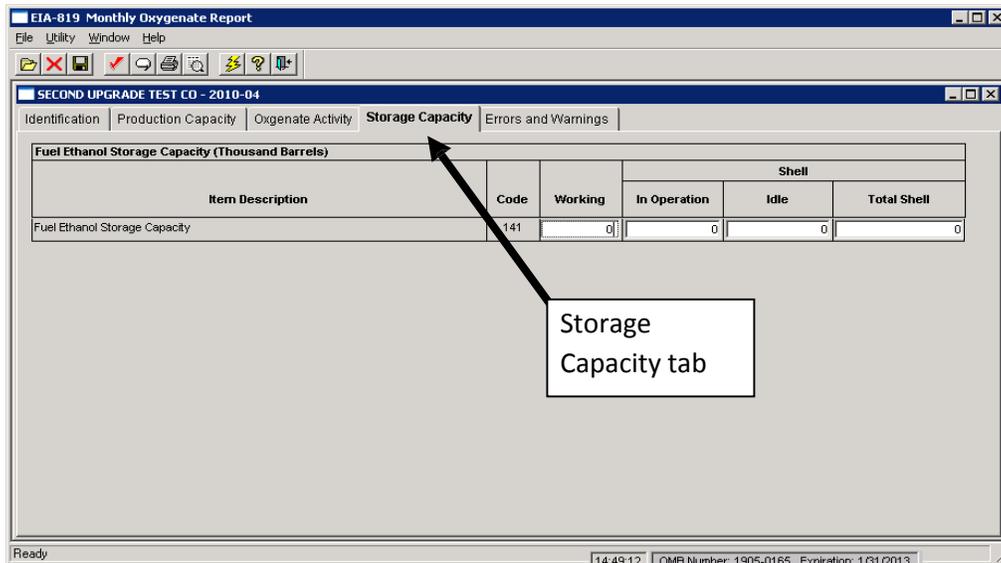


Oxygenate Activity Tab Screen: This tab displays data for three parts of the form:

Part 4 – Oxygenate Production

Part 5 - Denaturants Blended with Fuel Ethanol and Denaturants Ending Stocks Part 6 – Blending to Produce Finished Motor Fuel

Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for that field, a message will appear informing you of the range limits for that data entry. You must abide by these system limitations when entering data.



Storage Capacity Tab Screen: Enter the appropriate data in the displayed fields. If you enter data that are considered outside the reasonable range for either field, a message will appear informing

you of the range limits for that data entry. You must abide by these system limitations when entering data.

Other PEDRO Functions

In addition to entering your data, there are several other useful functions that PEDRO offers to assist you in submitting the most accurate data possible in a timely manner. These other PEDRO functions are described in the sections that follow.

Validate Data

This function helps insure that your data are correct. In addition, it will minimize phone calls from EIA questioning the data you have sent to them. You may run edit checks as often as you like throughout the data entry process, but it is recommended that you validate your data at least once prior to submission. For a list of edit checks run during validation for each survey, see Appendix A, “Edit Checks.”

There are two methods of validating PEDRO data:

- 1) Errors and Warnings
- 2) Perform Validation Checks

Both of these options perform basically the same function. The first is run by clicking the **Errors and Warnings** tab (the right-most tab on each of the PEDRO survey screens). This tab is displayed below:

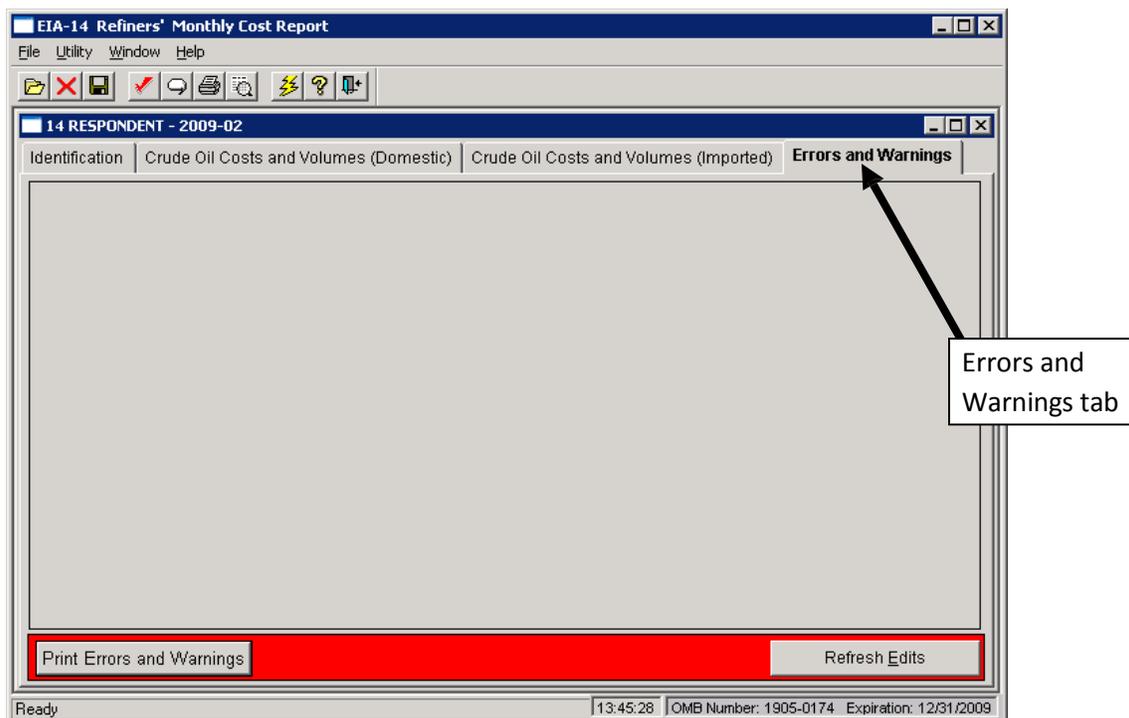


Figure 9. Errors and Warnings Screen

Click the **Refresh Edits** button in the bottom right corner of the screen to begin the data validation. A list of any discovered errors (or potential errors) is displayed. Beneath each item is an “Explanation” box –if you would like to provide an explanation of why the “error” should be left unchanged, type it in the

“Explanation” box below that specific error. You may then print the list of errors if you wish, by clicking the **Print Errors and Warnings** button in the bottom left corner of the screen.

To invoke the second method of data validation, “Perform Validation Checks,” click the *Check* button on the toolbar, or choose the *Utility/Validate* Data menu option from the upper left menu bar. Data that do not pass the edit validation will be identified in a “Data Validation Error” window, which is displayed at the top of the screen. The data in question will be highlighted on the screen. A sample “Data Validation Error” is shown below.



Figure 10. Data Validation Error Box

If you wish to type in an explanation for this error, do so in the “Explanation” box. To scroll through the series of discovered edit checks, click the **Previous Edit** and **Next Edit** button. To start the validation process over, click the **Restart Edits** button; this is useful if you correct an error while the “Data Validation Error” window is open. Click the **Done** button to close the “Data Validation Error” window.

Enter Comments

If you wish to enter a comment to explain any unusual or substantially different aspects of your company’s operations, click the **Comments** button on the toolbar,  or choose the *Utility/Comments* menu option from the upper left menu bar.

The following “Comments” box is displayed:

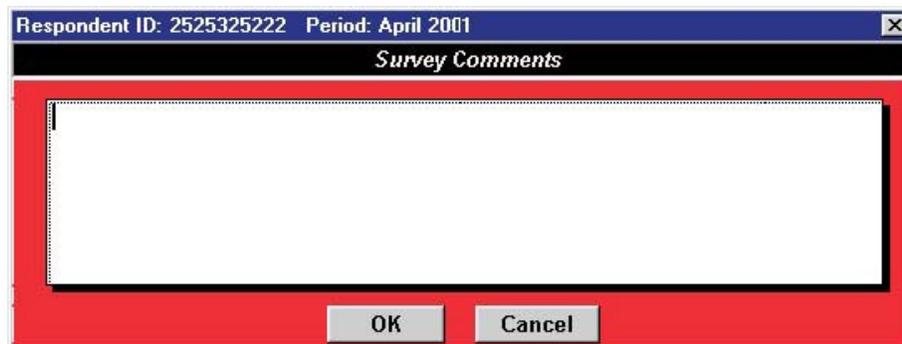


Figure 11. Survey Comments Box

Type in the comments for the Respondent ID and Period identified at the top of the “Survey Comments” box, and click the **OK** button when finished.

Save PEDRO Data

To save PEDRO data as it is entered, click the **Save** button on the toolbar,  or choose the *File / Save* menu option from the upper left menu bar.

NOTE: Whenever you exit a respondent or survey without saving, you will be prompted whether you wish to save your modifications before closing.

Close Current Respondent

When you are finished with a particular respondent and period but wish to keep the currently-selected survey open, click the **Close Respondent** button on the toolbar,  or choose the *File / Close* menu option from the upper left menu bar.

You may then click the **Open Respondent** button  to open a different respondent/period within the survey.

Print Options

To print a report for a selected respondent/reporting cycle, first open a survey form (see the “Select a Respondent” in the *Opening a Survey* section of this manual). Then either:

- Click the *Print* icon on the toolbar  ; or
- Choose the *Print* option from the *File* menu.

The currently-selected respondent/period will be printed, displaying all data you’ve entered.

NOTE: When using the EIA-782A, B and C Surveys, the following screen is displayed when the **Print** button is clicked:

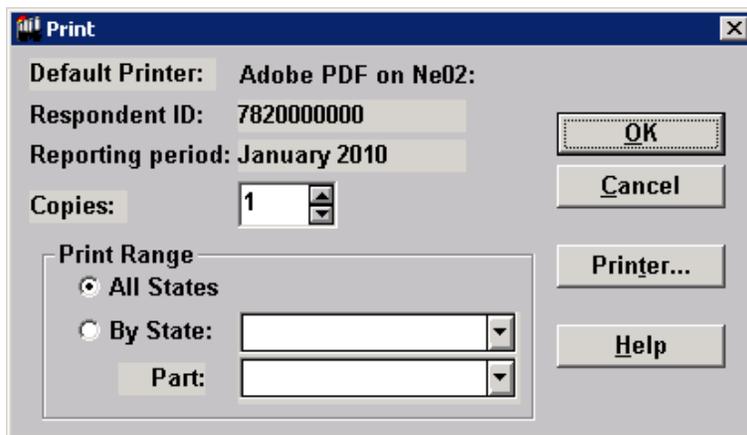


Figure 12. EIA-782A, B, & C Print Box

From this screen, you may select the number of copies you wish to print (in the “Copies” box); and whether you wish to print “All States” (the default option) or one state (by clicking the “By State” button). If you select one state, you may also select whether you wish to print “All Parts” of the 782 form, or only individual parts of the form. You may also adjust your printer setup by clicking the **Printer** button. After making your desired selections, click the **OK** button to continue with the printing process.

A **Print Preview** button  is also available if you wish to view the form as it will appear when printed. From the “Print Preview” screen, you can print the form, change your printer settings, scroll through the pages of the form being displayed, and zoom between 20% and 200% of the form’s actual size.

Change Respondent ID Number

If you wish to change a respondent’s EIA ID number (or API ID number) for a company that you’ve already added to PEDRO, choose the *Utility / Change ID* menu option from the tool bar in the upper left corner of the PEDRO screen. This option is only available when no respondent/period is open in PEDRO (the menu option appears grayed out if a respondent is open). The look of the “Change ID” box is slightly different between the surveys, as displayed below:

EIA-14, EIA-182, and EIA-782A, B, & C Surveys

After selecting the “Change ID” option, the following “Change Respondent ID” box is displayed:



Select a company from this list

Company’s current ID is displayed here

Type in new Company ID here

Figure 13. Change Respondent ID Box

Select the company and ID that you wish to change. The “Current ID” of the selected company is displayed in the field identified above; type in the new ID in the field below it. Click the **OK** button. A confirmation box is displayed; click the **OK** button to complete the ID change.

EIA-800 through 805, EIA-809 through 817, and EIA-819 Surveys

After selecting the “Change ID” option, the following “Change Respondent ID” box is displayed:

EIA ID	API ID
0101010101	OPERATIONS FUEL
0101010122	REFINED FUEL
1010102222	REFINED FUEL
0101010102	SMITH PETROLEUM

EIA ID Numbers
Current EIA ID: 0101010101
New EIA ID:

API ID Numbers
Current API ID:
New API ID:

Buttons: Change EIA & API, Change EIA Only, Change API Only, Cancel, Help

Footer: Highlight Respondent for ID Change

Figure 14. Change Respondent ID Box

Select the company and ID that you wish to change. The EIA ID of the selected company is displayed in the “Current EIA ID” field identified above; the API ID is displayed in the box to the right of the EIA ID. Type in the new EIA ID in the appropriate field, and/or the new API ID. Click the appropriate button, depending on whether you wish to change both the EIA and API IDs (**Change EIA & API**), only the EIA ID (**Change EIA Only**), or only the API ID (**Change API ID Only**). A confirmation box is displayed; click the **OK** button to complete the ID change. All data formerly under the old ID will now be displayed under the new ID.

Delete a Period or Respondent

If you wish to remove a period or respondent from a survey, choose the *Utility / Delete Period/Respondent* menu option from the menu bar in the upper left corner of the PEDRO screen. This option is only available when no respondent/period is open in PEDRO (the menu option appears grayed out if a respondent is open).

After selecting “Delete Period/Respondent,” a box is displayed, listing the current respondents and periods for the survey. Select the Period or Respondent you wish to delete, and click the appropriate button (**Delete Respondent** or **Delete Period**). A confirmation box is displayed; click the **OK** button to remove the selected Respondent or Period.

Note that, if a Respondent only has one corresponding Period, the system will not allow you to delete that unique Period -- a Respondent cannot exist without at least one Period. Also, remember that **all data** for the respondent will be deleted as well when the respondent is deleted.

Create Transmission File

After all data have been entered and checked for a given survey, a final Transmission File must be generated for filing your data with EIA. The Transmission File is transported to EIA using the PEDRO Communications Module, described in the next section of this manual.

To create a Transmission File, click the **Create Transmission File** button on the toolbar,  or choose the *Utility / Create Transmission File* menu option from the upper left menu bar. The following screen is displayed:

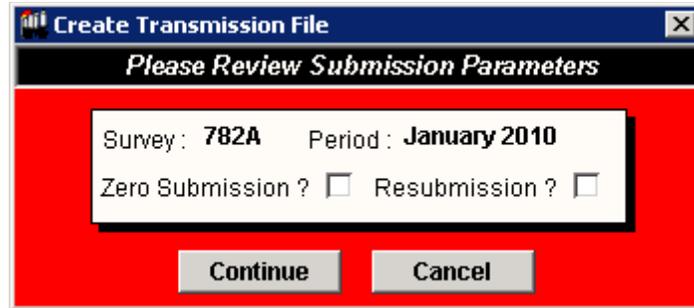


Figure 15. Create Transmission File Box

Review the displayed information (check the survey number and Period, and check the Zero Submission and/or Resubmission boxes if applicable). If the submission parameters appear correct, click the **Continue** button. A box is displayed, asking if you wish to open PEDRO Communications now. If you wish to submit your data transmission file now, click the **Yes** button. If you wish to wait and submit it later, click the **No** button.

For instructions on running the PEDRO Communications Module, see Part 8, “The PEDRO Communications Module.”

Import Data

To import data for one or more respondents and reporting periods, close all respondents and report periods, and choose the *Import* option from the *Utility* menu. The following screen is displayed:

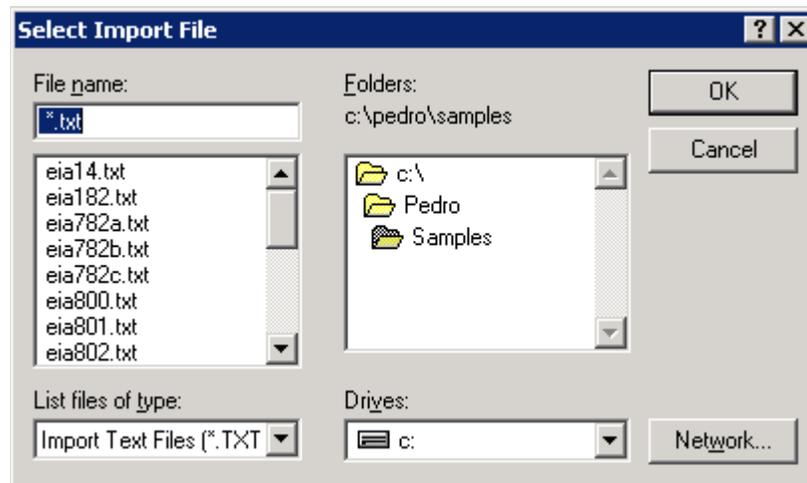


Figure 16. Select Import File Box

Select the file to be imported and click the **Open** button. The file to be imported must be formatted according to the survey layout, specified in Appendix A. The selected file will be scanned for proper record format. If the format is correct, the following “Import” screen is displayed:

Import Box

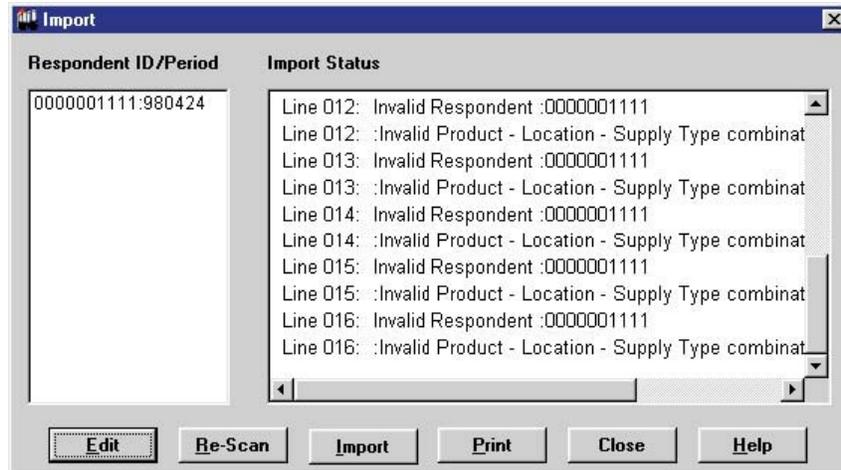


Figure 17. View Import File Box

As shown in the example above, information about the data being imported is displayed in the “Import Status” portion of the screen. This will include any potential errors that have been found in the imported data.

If you wish to re-check the data after editing it or recreating it elsewhere, click the **Re-scan** button. You may also print information in the “Import Status” box by clicking the **Print** button.

You may complete the import by clicking the **Import** button. If you wish to edit the data prior to importing, follow these steps:

To edit individual lines of data within the file before importing it into PEDRO, click the **Edit** button in the bottom left corner of the “Import” box. The following screen is displayed:

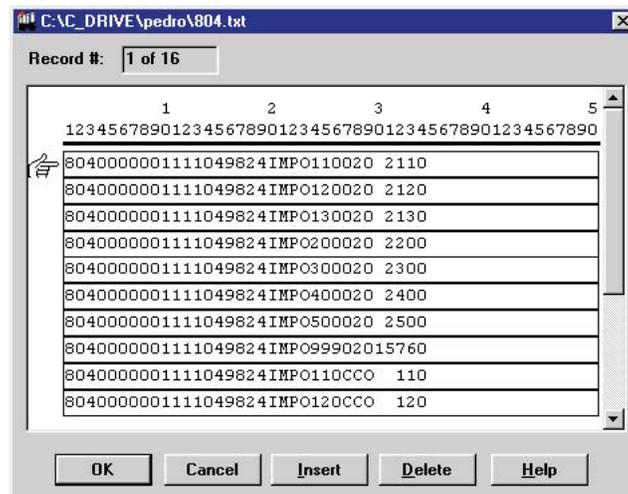


Figure 18. Edit Imported Data Box

You may click on any line and type in any adjustments you wish to make. If you wish to add a new line of data, click the line *below* where you wish the new line to appear, and click the **Insert** button. If you wish to remove an entire line of data, click on it, then click the **Delete** button.

After completing any editing, click the **OK** button to return to the “Import” box, or click **Cancel** to ignore any changes. Click the **Import** button on the “Import” box to complete the importation of data into PEDRO.

The PEDRO Communications Module

The PEDRO Communications Module is used when you wish to transmit one or more data files to EIA. PEDRO Communications requires that you have previously entered your data, successfully validated your data, and created a transmission file containing your data. If all three of these steps have been completed, then you are ready to send your transmission file to EIA.

There are two ways you can invoke the communications module. You may enter PEDRO Communications immediately after creating a transmission file, by responding **Yes** when the pop-up box asks you if you want to start PEDRO Communications. You may also enter PEDRO Communications directly from Windows by clicking on the PEDRO Communications application icon. This is accomplished outside of the PEDRO survey module. After using either method to access the PEDRO Communications Module, the following screen is displayed.



The screenshot shows a dialog box titled "Logon to EIA Communications". It features two text input fields. The first field is labeled "Your Name:" and contains the text "JOHN SMITH". The second field is labeled "Your phone number:" and contains the text "555 555-1234". Below these fields are three buttons: "Logon", "Cancel", and "Help".

Figure 19. Logon to EIA Communications Box

This identification information will be used by both EIA and your company to track the transmission of data files. Your name will be displayed as it was entered in PEDRO; you may update it here if necessary. Please enter your phone number, so that EIA personnel can contact you if necessary. After completing name and phone number fields, click the **Logon** button to access the PEDRO Communications Module. The main screen is displayed below.

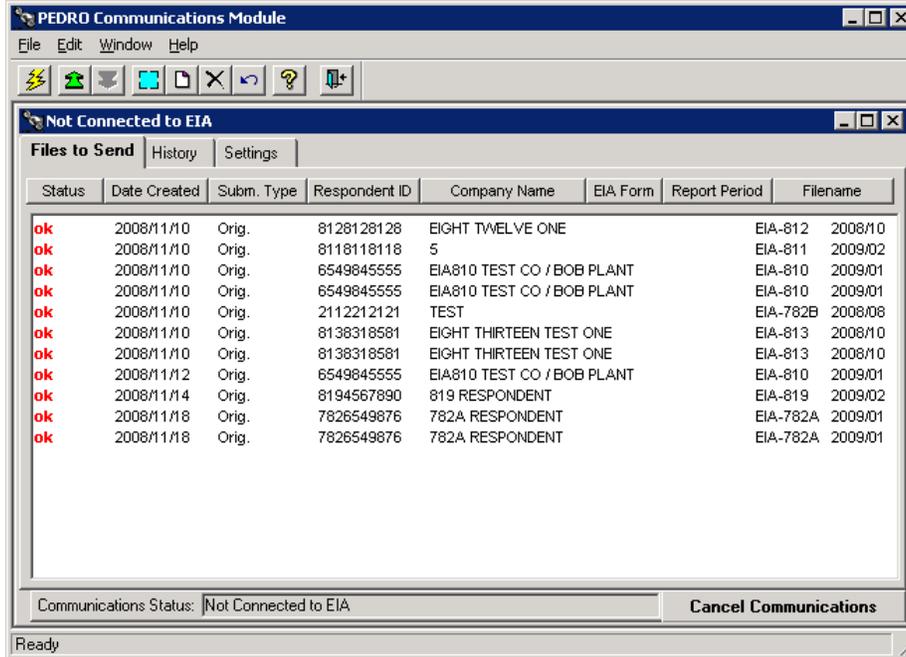


Figure 20. PEDRO Communications Main Screen

If you are using PEDRO Communications for the first time, you will have to configure it to transmit and receive data from EIA.

Click the “Settings” tab, as shown below.

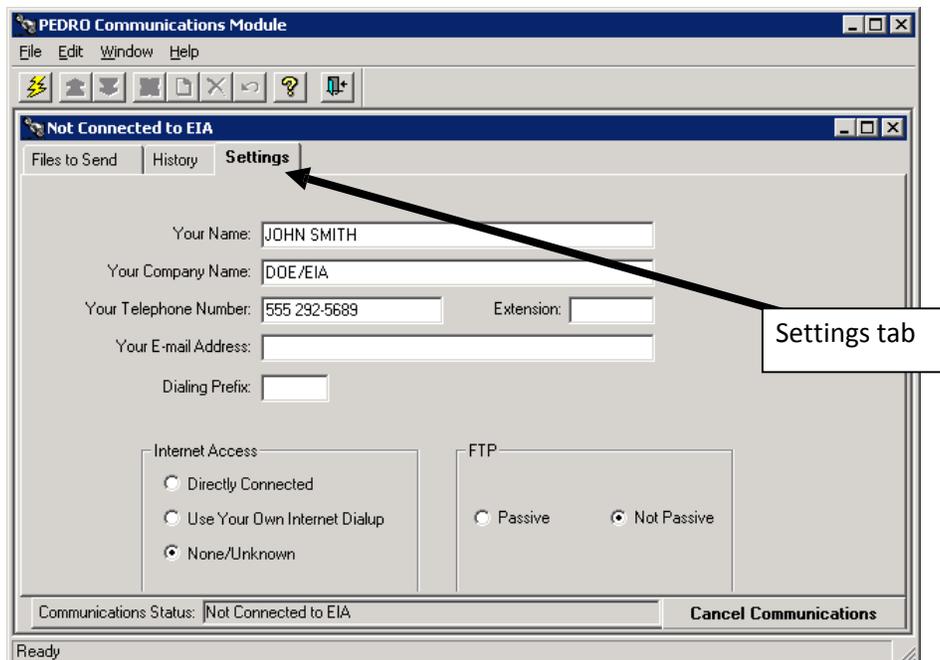


Figure 21. PEDRO Communications Main Screen – Settings Tab

Enter all of the appropriate information in the space provided.

You must have Internet access in order to transmit data using PEDRO Communications. Make sure you are logged on to the Internet when you attempt to transmit files. If you select *None/Unknown* on the “Settings” screen (shown above), the system will attempt to determine your method of access.

Brief descriptions of each of the options in the “Internet Access” box:

- **Directly Connected:** Select this option if you have a direct connection to the Internet.
- **Use Your Own Internet Dial-Up:** Select this option if you access the Internet via a cable modem or DSL, or an Internet Service Provider such as AOL.
- **None/Unknown:** Select this option if you do not know what type of connection you have, or it you have no way to access the Internet. If you have problems getting this option to work, call PEDRO support for assistance.

After entering the necessary information in the “Settings” tab screen, you may connect to EIA to transmit your data. To do so, click the **Connect** button  or choose the *File / Connect* menu option from the menu bar in the upper left corner of the PEDRO Communications screen.

Click on the “Files to Send” tab, and select the files to be transmitted to EIA. Use the normal Windows convention of clicking the left mouse button on the file you wish to transmit. If you wish to send more than one file, press the *Ctrl* key and then click on the files you wish to send (while holding the *Ctrl* key down). In this manner, you can select any number of files for transmission.

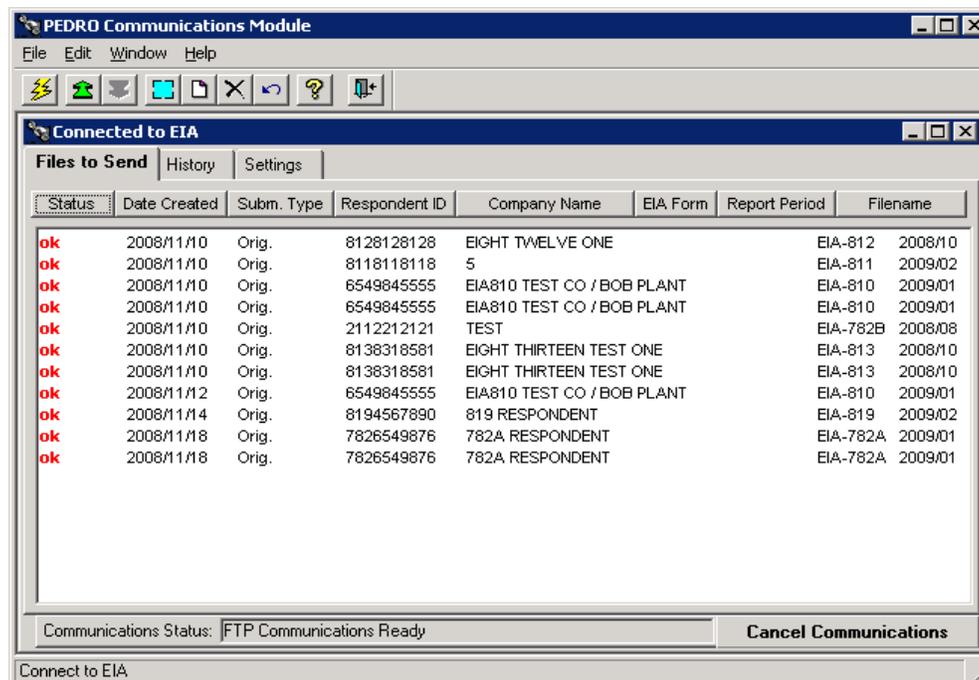


Figure 22. PEDRO Communications Main Screen - Select Files to Send

Note that, in the example shown above, the *Status* for each file is **ok**. This means that these files have been validated, and therefore are suitable for transmission to EIA.

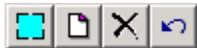
If you now click on the **Transmit** button  on the toolbar, or select the *File / Transmit* menu item, your file(s) will be sent to EIA. At that point, the *Status* column for the file(s) you transmitted will be updated to “Sent” to indicate a successful transmission.

Click on the “History” tab to view files that have been successfully transmitted to EIA. If you have just transmitted, the latest sent file will not show up until you exit and reenter PEDRO Communications. If there was a problem during transmission, and some/all of the data were lost, you may have to recreate the file and retransmit it.

Other PEDRO Communication Module Functions

In addition to the functions already described, the toolbar along the top left portion of the PEDRO Communications Main Screen also provides the following functionality:

The group of four buttons can be used to perform the following functions:



1. 2. 3. 4.
- 1 **Select All:** Click this button to highlight every entry on the currently-displayed screen. This is useful if you are transmitting a large number of respondent data files at once.
- 2 **Select None:** Click this button to de-select any and all entries you may have highlighted on the currently-displayed screen.
- 3 **Delete:** Click this button to delete the highlighted entry (or entries) on the currently-displayed screen. The “Status” will then change from “ok” to “deleted.”
- 4 **Undelete:** Click this button to undelete any highlighted entry (or entries) whose “Status” is “deleted.” The “Status” will then switch back to “ok” (assuming the highlighted entry has passed validation).

NOTE: Each of these four functions can also be performed using the *Edit* drop-down menu:



Figure 23. PEDRO “Edit” Menu

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[Appendix A Edit Checks](#)

General Information

This appendix addresses survey-specific information for the following Petroleum Surveys operating under PEDRO, for survey submissions with a report period greater than or equal to January 1st, 2009:

- EIA-14 Refiners' Monthly Cost Report
- EIA-182 Domestic Crude Oil First Purchase Report
- EIA-782A Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report
- EIA-782B Resellers'/Retailers' Monthly Petroleum Product Sales Report
- EIA-782C Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption
- EIA-800 Weekly Refinery Report
- EIA-801 Weekly Bulk Terminal Report
- EIA-802 Weekly Product Pipeline Report
- EIA-803 Weekly Crude Oil Stock Report
- EIA-804 Weekly Imports Report
- EIA-805 Weekly Terminal Blenders Report
- EIA-809 Weekly Oxygenate Report
- EIA-810 Monthly Refinery Report
- EIA-811 Monthly Bulk Terminal Report
- EIA-812 Monthly Product Pipeline Report
- EIA-813 Monthly Crude Oil Report
- EIA-814 Monthly Imports Report
- EIA-815 Monthly Terminal Blenders Report
- EIA-816 Monthly Natural Gas Liquids Report
- EIA-817 Monthly Tanker and Barge Movement Report
- EIA-819 Oxygenate Telephone Report

Information on specific survey reporting cycles, submission due dates, resubmission policies and instructions, are contained in both the PEDRO Help, and on the EIA webpage. For questions regarding specific survey data, contact your EIA specialists listed in the survey instructions, or on the EIA webpage.

The information below provides specific edit criteria and file specific information for importing data files.

Edit Criteria

PEDRO provides an on-line error-checking process that highlights discrepancies. This permits you to enter and check data before transmitting to EIA. There are two types of error checks, immediate

mandatory validations, and data validation edits. The immediate mandatory validations prevent the user from entering incorrect data at the time of data entry, while the data validation edits flag questionable data (after data entry is complete, but prior to submitting data to EIA). Listed below are the immediate mandatory validations.

- Keystroke limits shall be applied as the user types in any data for all fields, to prevent an overload of database fields and / or to prevent an unreasonable scale for a given field.
- Zip codes fields shall accept up to 10 alphanumeric characters, thus accepting both zip codes and Canadian postal codes.
- Telephone numbers shall accept up to 14 alphanumeric fields including the spaces and punctuation.
- Telephone extension fields shall be five characters.
- Quantity fields shall be positive integers (less than 100,000), or zero except as explicitly noted under survey specific requirements.
- Quantity fields shall be numeric and shall not accept alphabetic characters. Dollar fields (prices, costs, sales) shall be considered quantity fields within PEDRO.

Import File Format and Codes

An alternative method of entering data in the PEDRO system is to import an ASCII file. This allows data entered via other software programs to be brought into PEDRO without re-keying.

This appendix includes information useful for importing data, including:

- Import File Formats
- Cell Labels
- Product Codes
- Sample Importation Files

Additional information on file importation can be found in the “Import Data” section in this User’s Guide.

NOTE ABOUT 2016 IMPORT FILE FORMATS

The file formats for the PEDRO Weekly Surveys have not changed, but new product codes have been enabled for the EIA805 import file. The EIA805 import file section lists these products and their descriptions.

EIA-14 Refiners' Monthly Cost Report

File Format

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA survey number, always 014
4-13	10-digit respondent ID number
14-15	2-digit month code, 01-12 (e.g., 06=June)
16-17	2-digit year code (e.g., 09=2009)
18-19	2-letter geographic code, always US
20-26	3-character cell label (always RMC) followed by 4 blanks
27-29	3-digit product code: See table below
30	1-digit PADD location: See table below
31-38	8-digit total cost in thousands of dollars
39-46	8-digit total volume in thousands of barrels

Cell Labels

RMC Refiner's Monthly Cost

Product Codes

<u>Code</u>	<u>Description</u>
050	Domestic Crude Oil
020	Imported Crude Oil

PADD Location Codes

1	PADD I
2	PADD II
3	PADD III
4	PADD IV
5	PADD V
9	Total U.S.

Sample Importation File

The following sample file contains data for respondent **0000001111** for the months of **October 2016 (1016)**. As shown, the file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

01400000011111016USRMC	050150000	400
01400000011111016USRMC	020160000	400
01400000011111108USRMC	02025000	400
01400000011111016USRMC	05025000	400
01400000011111016USRMC	05038000	200
01400000011111016USRMC	02035000	200
01400000011111016USRMC	05045000	400

EIA-182 Domestic Crude Oil First Purchase Report

File Format

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA survey number, always 182
4-13	10-digit respondent ID number
14-15	2-digit month code, 01-12 (e.g., 06=June)
16-17	2-digit year code (e.g., 09=2009)
18-19	2-character State/Production Area code
20-26	4-character cell label (always DCFP followed by 3 blanks)
27-29	3-digit product code, always 050
30-37	8-digit average dollars per barrel
38-45	8-digit total volume in actual barrels

Cell Label

DCFP Domestic Crude Oil First Purchases

Product Code

050 Domestic Crude Oil

Sample Importation File

The following sample file contains data for respondent **0000001111** for the month of **October 2008 (1008)**. As shown, the file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```
18200000011111008ALDCFP 05050000 400
18200000011111008ANDCFP 05060000 400
18200000011111008DEDCFP 05050000 400
18200000011111008OKDCFP 05050000 400
18200000011111008ALDCFP 05050000 400
18200000011111008AKDCFP 05060000 400
18200000011111008ANDCFP 05050000 400
18200000011111008CADCFP 05050000 400
18200000011111008MNDCFP 05050000 400
18200000011111008MODCFP 05050000 400
18200000011111008LADCFP 05050000 400
18200000011111008TXDCFP 05050000 400
```

EIA-782A Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report

File Format

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA survey number, always 782
4-13	10-digit respondent ID number
14-15	2-digit month code, 01-12 (e.g., 06=June)
16-17	2-digit year code (e.g., 09=2009)
18-19	2-letter State code
20-23	4-character cell label, EIA-782A=PPSA, EIA-782B=PPSB
24-26	3-character sales code
27-29	3-digit product code
30-37	8-digit sales volume in 1000 gallons
38-41	4-digit sales price in \$0.000 per gallon

Cell Labels

<u>Code</u>	<u>Description</u>
DTW	Dealer Tank Wagon
RAC	Rack
BLK	Bulk RES Residential
COM	Commercial/Institutional
IND	Industrial
OUT	Company-Operated Outlets
OTH	Other End-Users
PTR	Petrochemical
RLT	Retail
WSL	Wholesale

Product Codes

<u>Code</u>	<u>Description</u>
111	Aviation Gasoline (Finished)
153	Reformulated Regular Motor Gasoline
154	Reformulated Midgrade Motor Gasoline
155	Reformulated Premium Motor Gasoline
159	Conventional Regular Motor Gasoline
160	Conventional Midgrade Motor Gasoline
161	Conventional Premium Motor Gasoline
213	Kerosene-Type Jet Fuel
311	Kerosene
467	No.1 Distillate
468	No. 2 Diesel Fuel > 15 ppm to 500 ppm (incl.) Sulfur
469	No. 2 Diesel Fuel > 500 ppm Sulfur
470	No. 2 Fuel Oil
471	No. 4 Fuel
472	No. 2 Diesel Fuel \leq 15 ppm Sulfur
501	Residual Fuel Oil \leq 1% Sulfur
510	Residual Fuel Oil > 1% Sulfur
624	Propane, Consumer Grade

Sample Importation File

The following sample file contains data for respondent **0000001111** for the month of **October 2008 (1008)**. As shown, the file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```
78200000011111008MDPPSAOTH153 22221110
78200000011111008MDPPSADTW153 3333 888
78200000011111008MDPPSARES468 444441100
78200000011111008MDPPSACOM468 55550777
78200000011111008MDPPSAIND468 66661120
78200000011111008VAPPSAOUT468 8001170
78200000011111008VAPPSAOTH468 15001100
78200000011111008VAPPSAWSL468 30001250
78200000011111008MDPPSAWSL468 15001200
78200000011111008MDPPSAWSL469 7001000
78200000011111008MDPPSARTL311 10001150
78200000011111008MDPPSAWSL311 5001080
78200000011111008MDPPSARTL111 3000 999
78200000011111008MDPPSAWSL111 7001180
78200000011111008MDPPSARTL213 4001170
78200000011111008VAPPSAWSL471 20001250
78200000011111008VAPPSARTL501 15001100
78200000011111008VAPPSAWSL510 30001350
78200000011111008VAPPSAPTR624 8001180
```

EIA-782B Resellers'/Retailers' Monthly Petroleum Product Sales Report

File Format

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA survey number, always 782
4-13	10-digit respondent ID number
14-15	2-digit month code, 01-12 (e.g., 06=June)
16-17	2-digit year code (e.g., 09=2009)
18-19	2-letter State code
20-23	4-character cell label, EIA-782A=PPSA, EIA-782B=PPSB
24-26	3-character sales code
27-29	3-digit product code
30-37	8-digit sales volume in 1000 gallons
38-41	4-digit sales price in \$0.000 per gallon

Cell Labels

<u>Code</u>	<u>Description</u>
DTW	Dealer Tank Wagon
RAC	Rack
BLK	Bulk
RES	Residential
COM	Commercial/Institutional
IND	Industrial
OUT	Company-Operated Outlets
OTH	Other End-Users
PTR	Petrochemical
RLT	Retail
WSL	Wholesale

Product Codes

<u>Code</u>	<u>Description</u>
153	Reformulated Regular Motor Gasoline
154	Reformulated Midgrade Motor Gasoline
155	Reformulated Premium Motor Gasoline
159	Conventional Regular Motor Gasoline
160	Conventional Midgrade Motor Gasoline
161	Conventional Premium Motor Gasoline
472	No. 2 Diesel Fuel \leq 15 ppm Sulfur
468	No. 2 Diesel Fuel > 15 ppm to 500 ppm (incl.) Sulfur
469	No. 2 Diesel Fuel > 500 ppm Sulfur
470	No. 2 Fuel Oil
624	Propane, Consumer Grade
501	Residual Fuel Oil \leq 1% Sulfur
510	Residual Fuel Oil > 1% Sulfur

Sample Importation File

The following sample file contains data for respondent **0000001111** for the month of **October 2008 (1008)**. As shown, the file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```
78200000011111008MDPPSBDTW153 2222 110
78200000011111008MDPPSBRES468 3333 888
78200000011111008MDPPSBCOM46814445544 100
78200000011111008MDPPSBIND468 5555 777
78200000011111008VAPPSBOUT468 6666 120
78200000011111008VAPPSBWSL468 800 170
78200000011111008MDPPSBOUT15515681500 950
78200000011111008MDPPSBOTH155 3000 250
78200000011111008MDPPSBRAC155 1508 200
78200000011111008MDPPSBWSL501 700 800
78200000011111008MDPPSBRTL501 1000 150
78200000011111008MDPPSBWSL510 500 080
78200000011111008MDPPSBRTL510 3007 999
78200000011111008VAPPSBWSL50126580300 180
78200000011111008VAPPSBRTL501 400 170
78200000011111008VAPPSBWSL510 2003 250
78200000011111008VAPPSBRTL510 1500 880
78200000011111008VAPPSBWSL510 3000 350
78200000011111008VAPPSBPTR624 889 180
```

EIA-782C Monthly Report of Prime Supplier Sales of Petroleum Products Sold for Local Consumption

File Format

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA survey number, always 782
4-13	10-digit respondent ID number
14-15	2-digit month code, 01-12 (e.g., 06=June)
16-17	2-digit year code (e.g., 09=2009)
18-19	2-letter State code
20-26	4-character cell label, (always PRSC) followed by 3 blanks
27-29	3-digit product code
30-37	8-digit actual sales in thousands of gallons

Cell Labels

PPSC Petroleum Products Sold into States for Consumption

Product Codes

<u>Code</u>	<u>Description</u>
111	Aviation Gasoline (Finished)
153	Reformulated Regular Motor Gasoline
154	Reformulated Midgrade Motor Gasoline
155	Reformulated Premium Motor Gasoline
159	Conventional Regular Motor Gasoline
160	Conventional Midgrade Motor Gasoline
161	Conventional Premium Motor Gasoline
211	Naphtha-Type Jet Fuel
213	Kerosene-Type Jet Fuel
311	Kerosene
467	No. 1 Distillate
468	No. 2 Diesel Fuel > 15 ppm to 500 ppm (incl.) Sulfur
469	No. 2 Diesel Fuel > 500 ppm Sulfur
470	No. 2 Fuel Oil
471	No. 4 Fuel

- 472 No. 2 Diesel Fuel \leq 15 ppm Sulfur
- 501 Residual Fuel Oil < 1% Sulfur
- 510 Residual Fuel Oil > 1% Sulfur
- 624 Propane, Consumer Grade

Sample Importation File

The following sample file contains data for respondent **000001111** for the month of **October 2008 (1008)**. As shown, the file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```

78200000011111008MDPPSC 15311221200
78200000011111008MDPPSC 15410501100
78200000011111008MDPPSC 15520001500
78200000011111008MDPPSC 15611001000
78200000011111008MDPPSC 157 500000
78200000011111008MDPPSC 311 2000200
78200000011111008VAPPSC 111 8001700
78200000011111008VAPPSC 213 1501000
78200000011111008VAPPSC 21130002500
78200000011111008TNPPSC 15315002000
78200000011111008TNPPSC 15470354800
78200000011111008TNPPSC 15510015009
78200000011111008TNPPSC 15621445008
78200000011111008TNPPSC 157 30008
78200000011111008TXPPSC 311 7002
78200000011111008TXPPSC 111 4008
78200000011111008TXPPSC 213 20001
78200000011111008TXPPSC 211 15000
78200000011111008TXPPSC 501 30006
78200000011111008TXPPSC 510 8005

```

EIA-800 Weekly Refinery Report

Edit Criteria

Listed below are the Edit Criteria for the EIA-800.

SurveyRule	Error Message
800 ADA	Address line cannot be blank.
800 ADC	City cannot be blank.
800 ADN	Company Name cannot be blank.
800 ADN	Zip cannot be blank.
800 ADS	Invalid State Code.
800 ADS	State cannot be blank.
800 CGZ	Zero Error: if Crude Inputs (050) are zero when Gross Inputs (990) are non zero.
800 CIR	Crude Inputs Range Error. Crude Inputs (050) should be within 10% of gross inputs.
800 CIR	Crude Inputs Range Error. Crude Inputs (050) should be within 10% of gross inputs.
800 CIR	Gross Inputs Range Error. Gross Inputs (990) should be between 50% and 110% of Total Inputs (001).
800 CIZ	Zero Error: Crude Inputs (050) is non zero and Gross Inputs (990) is zero.
800 GIZ	Zero Error: Gross Inputs (990) is non-zero when Total Inputs (001) is zero.
800 TIZ	Zero Error. The sum of Refinery Net Production for all products is negative and Total Inputs (001) are non-zero.
800 TPR	Total Production of all products is inconsistent with Total Inputs.
800 TPZ	Zero Error: The sum of Refinery Net Production for all products is non zero when Total inputs (001) is zero.
800 TQE	Subtotal Error. Total Net Kerosene-Type Jet Fuel Production (213) should equal the sum of Commercial (217) and Military (218) Production.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-800 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 800
4-13	10-digit respondent ID number
14-15	2-digit month code, 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	2-digit day code 1-31 (10=tenth, etc.)
20-26	4-character cell label followed by 3 blanks
27-29	3-digit product code
30-34	5-digit quantity in thousands of barrels

Cell LabelsRefinery and Fractionator Activity

INPT	Input
GPRO	Net Production
ESTO	Stocks

Product CodesInputs

990	Gross Input to Atmospheric Crude Oil Distillation Units
001	Total Inputs

Crude Oil

050	Crude Oil
-----	-----------

Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

242	Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)
246	Propane/Propylene

Unfinished Oils

812	Unfinished Oils
-----	-----------------

Ethanol

141 Fuel Ethanol

Finished Motor Gasoline

125 Reformulated (Blended with Alcohol)

127 Reformulated (Other)

166 Conventional, Blended with Fuel Ethanol, Ed55 and Lower

149 Conventional, Blended with Fuel Ethanol, Greater than Ed44

130 Conventional (Other) Motor Gasoline Blending Components

118 Reformulated Blendstock for Oxygenate Blending (RBOB)

139 Conventional Blendstock for Oxygenate Blending (CBOB)

117 Gasoline Treated as Blendstock (GTAB)

138 All Other Motor Gasoline Blending Components

Kerosene

311 Kerosene

Kerosene-Type Jet Fuel

213 Kerosene-Type Jet Fuel

217 Commercial

218 Military

Distillate Fuel Oil

465 15 ppm sulfur and under

466 Greater than 15 ppm sulfur to 500 ppm sulfur (incl.)

467 Greater than 500 ppm sulfur

Residual Fuel Oil

511 Residual Fuel Oil

Asphalt and Road Oil

931 Asphalt and Road Oil

Sample Importation File

The following sample file contains data for respondent **000000800** for the week of **April 23, 2016 (010810)**. The file may contain data for multiple respondents and multiple weeks. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```
000000800041623INPT 050 275
000000800041623ESTO 050 500
000000800041623GPRO 141 812
```

EIA-802 Weekly Product Pipeline Report

Edit Criteria

Listed below are the Edit Criteria for the EIA-803.

Survey	Rule Code	Error Message
802	ADA	Address line cannot be blank.
802	ADC	City cannot be blank.
802	ADN	Company Name cannot be blank.
802	ADN	Zip cannot be blank.
802	ADS	Invalid State code.
802	ADS	State cannot be blank.
802	TCS	Line Imbalance. The U.S. Total (999) for All Other Motor Gasoline Blending Components (138) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: 15 ppm sulfur and under (465) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: Greater than 15 ppm sulfur to 500 ppm sulfur (incl.) (466) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: Greater than 500 ppm sulfur (467) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Conventional, Blended with Fuel Ethanol - Ed55 and Lower (166) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Conventional, Blended with Fuel Ethanol - Greater than Ed55 (149) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Conventional, Other (130) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Reformulated, Blended with Fuel Ethanol (125) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Reformulated, Other (127) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Fuel Ethanol (141) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Gasoline Treated as Blendstock (GTAB) (117) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Kerosene (311) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Kerosene-Type Jet Fuel (213) must equal the sum of the PADD values.

Survey	Rule Code	Error Message
802	TCS	Line Imbalance. The U.S. Total (999) for Motor Gasoline Blending Components: Conventional Blendstock for Oxygenate Blending (CBOB) (139) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Motor Gasoline Blending Components: Reformulated Blendstock for Oxygenate Blending (RBOB) (118) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG) (242) must equal the sum of the PADD values.
802	TCS	Line Imbalance. The U.S. Total (999) for Propane/Propylene (246) must equal the sum of the PADD values.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-803 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 802
4-13	10-digit respondent ID number
14-15	2-digit month code, 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	2-digit day code 1-31(10 = tenth, etc.)
20-26	7-character cell label
27-29	3-digit product code
30-35	6-digit quantity in thousands of barrels

Cell Labels

ESTO110	Stocks of Products in PADD 1A
ESTO120	Stocks of Products in PADD 1B
ESTO130	Stocks of Products in PADD 1C
ESTO200	Stocks of Products in PADD 2
ESTO300	Stocks of Products in PADD 3
ESTO400	Stocks of Products in PADD 4
ESTO500	Stocks of Products in PADD 5
ESTO999	Total Stocks of Product
VOLU999	Total Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)

Product CodesNatural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

242 Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

Propane/Propylene

246 Propane/Propylene

Ethanol

141 Fuel Ethanol

Finished Motor Gasoline

125 Reformulated (Blended with Alcohol)

127 Reformulated (Other)

166 Conventional, Blended with Fuel Ethanol, Ed55 and Lower

149 Conventional, Blended with Fuel Ethanol, Greater than Ed44

130 Conventional (Other)

Motor Gasoline Blending Components

118 Reformulated Blendstock for Oxygenate Blending (RBOB)

139 Conventional Blendstock for Oxygenate Blending (CBOB)

117 Gasoline Treated as Blendstock (GTAB)

138 All Other Motor Gasoline Blending Components

Kerosene

213 Kerosene-Type Jet Fuel

311 Kerosene

Distillate Fuel Oil

465 15 ppm sulfur and under

466 Greater than 15 ppm sulfur to 500 ppm sulfur (incl.)

467 Greater than 500 ppm sulfur

Diesel Fuel Oil

466 Total Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)

Sample Importation File

The following sample file contains data for respondent **000000802** for the week of **April 23, 2016**. The file may contain data for multiple respondents and multiple weeks. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```
8020000000802041623ESTO110166450
8020000000802041623ESTO120213451
8020000000802041623ESTO130141452
```

EIA-803 Weekly Crude Oil Stocks Report

Edit Criteria

Listed below are the Edit Criteria for the EIA-803.

Survey	Rule Code	Error Message
803	ADA	Address line cannot be blank.
803	ADC	City cannot be blank.
803	ADN	Company Name cannot be blank.
803	ADN	Zip cannot be blank.
803	ADS	Invalid State code.
803	ADS	State cannot be blank.
803	TCS	Line Imbalance. The U.S. Total (999) for All Other Motor Gasoline Blending Components (138) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: 15 ppm sulfur and under (465) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: Greater than 15 ppm sulfur to 500 ppm sulfur (incl.) (466) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: Greater than 500 ppm sulfur (467) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Conventional, Blended with Fuel Ethanol - Ed55 and Lower (166) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Conventional, Blended with Fuel Ethanol - Greater than Ed55 (149) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Conventional, Other (130) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Reformulated, Blended with Fuel Ethanol (125) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline, Reformulated, Other (127) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Fuel Ethanol (141) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Gasoline Treated as Blendstock (GTAB) (117) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Kerosene (311) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Kerosene-Type Jet Fuel(213) must equal the sum of the PADD values.

Survey	Rule Code	Error Message
803	TCS	Line Imbalance. The U.S. Total (999) for Motor Gasoline Blending Components: Conventional Blendstock for Oxygenate Blending (CBOB) (139) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Motor Gasoline Blending Components: Reformulated Blendstock for Oxygenate Blending (RBOB) (118) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG) (242) must equal the sum of the PADD values.
803	TCS	Line Imbalance. The U.S. Total (999) for Propane/Propylene(246) must equal the sum of the PADD values.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-803 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 803
4-13	10-digit respondent ID number
14-15	2-digit month code, 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	2-digit day 1-31 (10 = tenth, etc.)
20-26	7-character cell label
27-29	3-digit product code
30-35	6-digit quantity in thousands of barrels

Cell Labels

ESTO100	Stocks of Products in PADD 1
ESTO200	Stocks of Products in PADD 2
ESTO300	Stocks of Products in PADD 3
ESTO400	Stocks of Products in PADD 4
ESTO500	Stocks of Products in PADD 5
ESTO999	Total Stocks of Product

Product Codes

Crude Oil

- 050 Crude Oil
- 053 Cushing, Oklahoma
- 092 Alaskan Crude Oil in Transit by Water

Sample Importation File

The following sample file contains data for respondent **000000803** for the week of **April 23, 2016**. The file may contain data for multiple respondents and multiple weeks. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```
8030000000803041623ESTO100050150  
8030000000803041623ESTO999092151  
8030000000803041623ESTO200053152
```

EIA-804 Weekly Imports Report

Edit Criteria

The following are the Edit Criteria for the EIA-804.

Survey	Rule Code	Error Message
804	ADA	Address line cannot be blank.
804	ADC	City cannot be blank.
804	ADN	Company Name cannot be blank.
804	ADN	Zip cannot be blank.
804	ADS	Invalid State code.
804	ADS	State cannot be blank.
804	TCS	Line Imbalance. The U.S. Total (999) for All Other Motor Gasoline Blending Components (138) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Conventional Blendstock for Oxygenate Blending (CBOB) (139) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Crude Oil (020) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Crude Oil for Delivery to U.S. Strategic Petroleum Reserve (024) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Crude Oil for Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG) (242) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Crude Oil for Propane/Propylene (246) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: 15 ppm sulfur and under (465) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: Greater than 15 ppm sulfur (incl.) (466) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: Greater than 2000 ppm sulfur (468) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Distillate Fuel Oil: Greater than 500 ppm to 2000 ppm sulfur (incl.) (467) must equal the sum of the PADD values.

Survey	Rule Code	Error Message
804	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline: Conventional, Other (130) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline: Ed55 and Lower (166) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline: Greater than Ed55 (149) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline: Reformulated, Blended with Fuel Ethanol (125) must equal the
804	TCS	Line Imbalance. The U.S. Total (999) for Finished Motor Gasoline: Reformulated, Other (127) must equal the sum of the PADD
804	TCS	Line Imbalance. The U.S. Total (999) for Fuel Ethanol (141) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Kerosene (311) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Kerosene-Type Jet Fuel (213) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Motor Gasoline Blending Components: Gasoline Treated as Blendstock (117) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Other Petroleum Products (666) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Reformulated Blendstock for Oxygenate Blending (RBOB) (118) must equal the sum of the PADD values.
804	TCS	Line Imbalance. The U.S. Total (999) for Residual Fuel Oil (511) must equal the sum of the PADD values.
804	TCS	Total Imbalance. The U.S. Total (999) Imports Activity for Crude Oil (020) must equal the sum of Crude Oil Imports by Country of Origin.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-804 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 804
4-13	10-digit respondent ID number
14-15	2-digit month code: 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	2-digit day code 1-31 (10 = tenth, etc.)
20-26	7-character cell label
27-29	3 character product code
30-34	5-digit quantity in thousands of barrels

Cell Labels

IMPO110	Imports of Products into PADD 1A
IMPO120	Imports of Products into PADD 1B
IMPO130	Imports of Products into PADD 1C
IMPO200	Imports of Products into PADD 2
IMPO300	Imports of Products into PADD 3
IMPO400	Imports of Products into PADD 4
IMPO500	Imports of Products into PADD 5
IMPO999	Total Imports for a Product IMPC125 Imports from Algeria
IMPC145	Imports from Angola
IMPC150	Imports from Argentina
IMPC160	Imports from Australia
IMPC115	Imports from Azerbaijan
IMPC220	Imports from Brazil
IMPC260	Imports from Canada
IMPC257	Imports from Cameroon
IMPC273	Imports from Chad
IMPC280	Imports from China, P.R.
IMPC285	Imports from Colombia

IMPC290	Imports from Rep. of Congo
IMPC325	Imports from Ecuador
IMPC332	Imports from Equatorial Guinea
IMPC388	Imports from Gabon
IMPC415	Imports from Guatemala
IMPC458	Imports from Indonesia
IMPC460	Imports from Iran
IMPC465	Imports from Iraq
IMPC520	Imports from Kuwait
IMPC550	Imports from Libya
IMPC595	Imports from Mexico
IMPC670	Imports from Nigeria
IMPC685	Imports from Norway
IMPC616	Imports from Oman
IMPC805	Imports from Russia
IMPC785	Imports from Saudi Arabia
IMPC875	Imports from Thailand
IMPC887	Imports from Trinidad
IMPC925	Imports from United Kingdom
IMPC940	Imports from Venezuela
IMPC945	Imports from Vietnam
IMPC777	Imports from Other Countries

Product Codes**Crude Oil**

020 Crude Oil

024 Crude Oil for Delivery to U.S. Strategic Petroleum Reserve

Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

242 Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

Propane/Propylene

246 Propane/Propylene

Ethanol

141 Fuel Ethanol

Finished Motor Gasoline

125 Reformulated (Blended with Alcohol)

127 Reformulated (Other)

166 Conventional, Blended with Fuel Ethanol, Ed55 and Lower

149 Conventional, Blended with Fuel Ethanol, Greater than Ed44

130 Conventional (Other)

Motor Gasoline Blending Components

118 Reformulated Blendstock for Oxygenate Blending (RBOB)

139 Conventional Blendstock for Oxygenate Blending (CBOB)

117 Gasoline Treated as Blendstock (GTAB)

138 All Other Motor Gasoline Blending Components

Kerosene

213 Kerosene-Type Jet Fuel

311 Kerosene

Distillate Fuel Oil

465 15 ppm sulfur and under

466 Greater than 15 ppm sulfur to 500 ppm sulfur (incl.)

467 Greater than 500 ppm sulfur to 2000 ppm sulfur (incl.)

468 Greater than 200 ppm sulfur

Residual Fuel Oil

511 Residual Fuel Oil

Other Petroleum Imports

666 Other Petroleum Imports

Sample Importation File

The following sample file contains data for respondent **000000804** for the week of **April 23, 2016**. The file may contain data for multiple respondents and multiple weeks. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first and this would not change the importation.

```
8040000000804041623IMPO110020 2110
8040000000804041623IMPC415      2120
8040000000804041623IMPO130020 2130
```

EIA-805 Weekly Terminal Blenders Report

Edit Criteria

Listed below are the Edit Criteria for the EIA-805.

Survey	Rule Code	Error Message
805	ADA	Address line cannot be blank.
805	ADC	City cannot be blank.
805	ADN	Company Name cannot be blank.
805	ADN	Zip cannot be blank.
805	ADS	Invalid State Code.
805	ADS	State cannot be blank.
805	TQE	Total Oxygenates, Renewable Fuels, NGPL/LRG Inputs (003) should be greater than or equal to the sum of Total Natural Gas Plant Liquids and Liquefied Refinery Gases (242) and Fuel Ethanol (141) Inputs.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-805 Survey.

COLUMN DESCRIPTION

- 1-3 3-digit EIA form number: **805**
- 4-13 10-digit respondent ID number
- 14-15 2-digit month code, 01-12 (06=June, etc.)
- 16-17 2-digit year code (09=2009, etc.)
- 18-19 2-digit day code 1-31 (10 = tenth, etc.)
- 20-23 4-character cell label
- 24-26 3-digit product code
- 27-31 5-digit quantity in thousands of barrels

Cell Labels

- INPT Inputs
- NPRO Production
- ESTO Stocks

Product Codes

003 Input of Oxygenates, Liquefied Petroleum Gases, and Pentanes Plus

Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

242 Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

Ethanol

141 Fuel Ethanol

Finished Motor Gasoline

125 Reformulated (Blended with Alcohol)

127 Reformulated (Other)

166 Conventional, Blended with Fuel Ethanol, Ed55 and Lower

149 Conventional, Blended with Fuel Ethanol, Greater than Ed44

130 Conventional (Other)

Motor Gasoline Blending Components

118 Reformulated Blendstock for Oxygenate Blending (RBOB)

139 Conventional Blendstock for Oxygenate Blending (CBOB)

117 Gasoline Treated as Blendstock (GTAB)

138 All Other Motor Gasoline Blending Components

Kerosene

213 Kerosene-Type Jet Fuel

311 Kerosene

Distillate Fuel Oil

465 15 ppm sulfur and under

466 Greater than 15 ppm sulfur to 500 ppm sulfur (incl.)

467 Greater than 500 ppm sulfur

511 Residual Fuel Oil

Unfinished Oils

812 Unfinished Oils

Asphalt & Road Oil

931 Asphalt & Road Oil

999 Total

Sample Importation File

The following sample file contains data for respondent **555555556** for the week of **May 16, 2016**. The file may contain data for multiple respondents and multiple weeks. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```
8055555555556051606INPT0031
8055555555556051606NPRO125300
8055555555556051606NPRO141500
8055555555556051606INPT242600
8055555555556051606ESTO242700
8055555555556051606INPT812800
8055555555556051606NPRO812200
8055555555556051606ESTO812300
8055555555556051606INPT931100
8055555555556051606NPRO931200
8055555555556051606ESTO931300
8055555555556051606INPT511100
8055555555556051606NPRO511200
8055555555556051606ESTO511300
```

EIA-809 Weekly Oxygenate Report

Edit Criteria

Listed below are the Edit Criteria for the EIA-809.

Survey	Rule Code	Error Message
809	ADA	Address line cannot be blank.
809	ADC	City cannot be blank.
809	ADN	Company Name cannot be blank.
809	ADN	Zip cannot be blank.
809	ADS	Invalid State code.
809	ADS	State cannot be blank.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-809 Survey.

COLUMN DESCRIPTION

- 1-3 3-digit EIA form number: **809**
- 4-13 10-digit respondent ID number
- 14-15 2-digit month code, 01-12 (06=June, etc.)
- 16-17 2-digit year code (09=2009, etc.)
- 18-19 2-digit day code 1-31 (10 = tenth, etc.)
- 20-23 4-character cell label
- 24-26 3-digit product code
- 27-31 5-digit quantity in thousands of barrels

Cell Labels

- ESTO Ending Stocks
- NPRO Production

Product Codes

Oxygenates Activity

- 190 Fuel Ethanol, Denatured
- 191 Fuel Ethanol, Udenatured

Sample Importation File

The following sample file contains data for respondent **000000809** for the week of **December 17, 2016**. The file may contain data for multiple respondents and multiple weeks. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```
8090000000809121617NPRO19010
8090000000809121617NPRO19130
8090000000809121617ESTO19020
8090000000809121617ESTO19140
```

EIA-810 Monthly Refinery Report

Edit Criteria

The following are the Edit Criteria for the EIA-810.

Survey	Rule Code	Error Message
810	ADA	Address line cannot be blank.
810	ADC	City cannot be blank.
810	ADN	Company Name cannot be blank.
810	ADN	Zip cannot be blank.
810	ADS	Invalid State code.
810	ADS	State cannot be blank.
810	CLI	Line Imbalance. For Asphalt and Road Oil (931), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Aviation Gasoline Blending Components (112), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Catalyst Petroleum Coke (022), Fuel Use and Losses should equal Production.
810	CLI	Line Imbalance. For Crude Oil (050), Ending Stocks should equal Beginning Stocks + Receipts - Inputs - Shipments - Use Loss.
810	CLI	Line Imbalance. For Ethane/Ethylene, TOTAL (108), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Finished Aviation Gasoline (111), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Isobutane/Isobutylene, TOTAL (245), Ending Stocks should equal Beginning Stocks + Receipts - Inputs - Shipments - Use Loss.
810	CLI	Line Imbalance. For Isobutane/Isobutylene, TOTAL (245), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Kerosene (311), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Marketable Petroleum Coke (021), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Misc. Fuel Use Products (098), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Misc. Fuel Use Products (098), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Misc. Non-Fuel Use Products (097), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.

Survey	Rule Code	Error Message
810	CLI	Line Imbalance. For Misc. Non-Fuel Use Products (097), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Naphtha Petrochemical Feedstocks (822), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Normal Butane/Butylene, TOTAL (244), Ending Stocks should equal Beginning Stocks + Receipts - Inputs - Shipments - Use Loss.
810	CLI	Line Imbalance. For Normal Butane/Butylene, TOTAL (244), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Other Oil-type Petrochemical Feedstocks (824), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Other Oil-type Petrochemical Feedstocks (824), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Pentanes Plus (220), Ending Stocks should equal Beginning Stocks + Receipts - Inputs - Shipments - Use Loss.
810	CLI	Line Imbalance. For Propane/Propylene, TOTAL (246), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Special Naphthas (051), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Still Gas (045), Production should equal Receipts - Inputs - Shipments - Use Loss.
810	CLI	Line Imbalance. For Total Distillate Fuel Oil (411), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Total Kerosene-Type Jet Fuel (213), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Total Lubricants (854), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Total Other Hydrocarbons (093), Ending Stocks should equal Beginning Stocks + Receipts - Inputs - Shipments - Use Loss.
810	CLI	Line Imbalance. For Total Residual Fuel Oil (511), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Line Imbalance. For Wax (070), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
810	CLI	Subtotal Error. Ending Stocks of Total Unfinished Oils (812), must equal the sum of its subordinate products (820, 830, 840, 850).

Survey	Rule Code	Error Message
810	CLI	Subtotal Error. Inputs of Total Unfinished Oils (812), must equal the sum of its subordinate products (820, 830, 840, 850).
810	CLI	Subtotal Error. Production of Total Unfinished Oils (812), must equal the sum of its subordinate products (820, 830, 840, 850).
810	CLI	Total Imbalance. Total (999) Inputs should equal Total (999) Production.
810	CU1	Crude Oil Capacity Utilization Rate (codes 990 and 401) is greater than 120%.
810	GAL	Both Processing Gain (911 Inputs) and Processing Losses (911 Production) were reported. Report only one, as appropriate.
810	GLG	Processing Gain (911 Input) should be less than or equal to 10% of the sum of Crude Inputs (050) and net Unfinished Oils Inputs (812 inputs less 812 production).
810	GLG	Processing Loss (911 Input) should be less than or equal to 10% of the sum of Crude Inputs (050) and net Unfinished Oils Inputs (812 inputs less 812 production).
810	I>T	Gross inputs greater than total inputs - n
810	INC	Inputs to Dist. units (990) reported yet no Operable Capacity (401) reported.
810	P>T	Part greater than total. Inputs of Butylene (633) cannot exceed Inputs of Normal Butane/Butylene, TOTAL (244).
810	P>T	Part greater than total. Inputs of Ethylene (631) cannot exceed Inputs of Ethane/Ethylene, TOTAL (108).
810	P>T	Part greater than total. Inputs of Isobutylene (634) cannot exceed Inputs of Isobutane/Isobutylene, TOTAL (245).
810	P>T	Part greater than total. Inputs of Propylene (632) cannot exceed Inputs of Propane/Propylene, TOTAL (246).
810	P>T	Part greater than total. Production of Butylene (633) cannot exceed Production of Normal Butane/Butylene, TOTAL (244).
810	P>T	Part greater than total. Production of Ethylene (631) cannot exceed Production of Ethane/Ethylene, TOTAL (108).
810	P>T	Part greater than total. Production of Isobutylene (634) cannot exceed Production of Isobutane/Isobutylene, TOTAL (245).
810	P>T	Part greater than total. Production of Propylene (632) cannot exceed Production of Propane/Propylene, TOTAL (246).
810	P>T	Receipts of Alaskan Crude Oil (011) is greater than Domestic Crude Oil (010). The value for Alaskan Crude should be included in the Domestic Crude Oil value.
810	RCG	Invalid value for API Gravity at Inputs (040).
810	RCG	Invalid value for API Gravity at Receipts (030).

Survey	Rule Code	Error Message
810	RCS	Invalid value for Sulfur Content at Inputs (040).
810	RCS	Invalid value for Sulfur Content at Inputs (040).
810	RCS	Invalid value for Sulfur Content at Receipts (030).
810	SGI	API Gravity for Crude Oil Inputs (040) cannot be reported if Crude Oil Receipts (050) and Crude Oil Inputs (050) is zero.
810	SGI	API Gravity for Crude Oil Receipts (030) cannot be reported if Crude Oil Receipts (050) and Crude Oil Inputs (050) is zero.
810	SGI	API Gravity not reported for Inputs (040), yet Sulfur was reported. You must report both or neither.
810	SGI	API Gravity not reported for Receipts (030), yet Sulfur was reported. You must report both or neither.
810	SGI	API Gravity not reported; yet Crude Receipts and Inputs (050) reported.
810	SGI	API Gravity values were reported for 030 and 040. Report only one.
810	SGI	Sulfur Content for Crude Oil Inputs (040) cannot be reported if Crude Oil Receipts (050) and Crude Oil Inputs (050) is zero.
810	SGI	Sulfur Content for Crude Oil Receipts (030) cannot be reported if Crude Oil Receipts (050) and Crude Oil Inputs (050) is zero.
810	SGI	Sulfur Content not reported; yet Crude Receipts and Inputs (050) reported.
810	SGI	Sulfur Content or API Gravity (030) not reported for Crude Receipts (050).
810	SGI	Sulfur Content or API Gravity (040) not reported for Crude Inputs (050).
810	SGI	Sulfur not reported for Inputs (040), yet API Gravity was reported. You must report both or neither.
810	SGI	Sulfur not reported for Receipts (030), yet API Gravity was reported. You must report both or neither.
810	SGI	Sulfur values were reported for 030 and 040. Report only one.
810	TQE	Subtotal Error. Inputs of Total Oxygenates (446), must equal the sum of its subordinate products (142,144, 445).
810	TQE	Subtotal Error. Inputs of Total Renewable Fuels (202), must equal the sum of its subordinate products (141, 203, 205, 207).
810	TQE	Subtotal Error. Production of Renewable Fuels (202), must equal the sum of its subordinate products (141, 203, 205, 207).
810	TQE	Subtotal Error. Receipts of Crude Oil (050) should equal the total of Domestic (010) and Foreign (020) Crude Oil.

Survey	Rule Code	Error Message
810	TQE	Subtotal Error. Total Ending Stocks of Distillate Fuel Oil (411) must equal the sum of Ending Stocks of 15 ppm sulfur and under (465), Greater than 15 ppm to 500 ppm sulfur (incl) (466), and Greater than 500 ppm sulfur (467).
810	TQE	Subtotal Error. Total Ending Stocks of Residual Fuel Oil (511) must equal the sum of Ending Stocks of Low (508), Medium (509) and High-Sulfur (510) Residual Fuel Oils.
810	TQE	Subtotal Error. Total Inputs of Distillate Fuel Oil (411) must equal the sum of Inputs of 15 ppm sulfur and under (465), Greater than 15 ppm to 500 ppm sulfur (incl) (466), and Greater than 500 ppm sulfur (467).
810	TQE	Subtotal Error. Total Inputs of Kerosene-Type Jet Fuel (213) must equal the sum of Inputs of Commercial (217) and Military (218) Jet Fuels.
810	TQE	Subtotal Error. Total Inputs of Lubricants (854)) must equal the sum of Inputs of Naphthenic (852) and Paraffinic (853) Lubricants.
810	TQE	Subtotal Error. Total Inputs of Residual Fuel Oil (511) must equal the sum of Inputs of Low (508), Medium (509) and High-Sulfur (510) Residual Fuel Oils.
810	TQE	Subtotal Error. Total Production of Distillate Fuel Oil (411) must equal the sum of Production of 15 ppm sulfur and under (465), Greater than 15 ppm to 500 ppm sulfur (incl) (466), and Greater than 500 ppm sulfur (467).
810	TQE	Subtotal Error. Total Production of Kerosene-Type Jet Fuel (213) must equal the sum of Production of Commercial (217) and Military (218) Jet Fuels.
810	TQE	Subtotal Error. Total Production of Lubricants (854) must equal the sum of Production of Naphthenic (852) and Paraffinic (853) Lubricants.
810	TQE	Subtotal Error. Total Production of Residual Fuel Oil (511) must equal the sum of Production of Low (508), Medium (509) and High-Sulfur (510) Residual Fuel Oils.
810	TQE	Total Error. (Codes 399 plus 400 should equal 401).
810	TQE	Total Error. Total (999) Inputs does not equal the sum of all Inputs, including Processing Gain (911).
810	TQE	Total Error. Total (999) Production does not equal the sum of all Production including Production Loss (911).

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-810 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 810
4-13	10-digit respondent ID number
14-15	2-digit month code: 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	blank
20-23	4-character cell label
27-29	3-digit product code
30-34	5-digit quantity in thousands of barrels, unless otherwise specified
30-35	6-digit quantity for Product Codes 399, 400, and 401

Cell Labels**Section 3 & 4 - Refinery Input and Capacity; Sulfur Content – API Gravity**

INPT	Gross or Fresh Feed input - Product Codes 990, 491, 492, and 493
CAPA	Operating, Idle, or Total Operable Capacity - Product Codes 399, 400, and 401
RECS	Weighted Average Sulfur Content Receipts - Product Code 030. Value must contain the decimal
RECA	Weighted Average API Gravity Receipts - Product Code 030. Value must contain the decimal
INPS	Weighted Average Sulfur Content Inputs - Product Code 040. Value must contain the decimal
INPA	Weighted Average API Gravity Inputs - Product Code 040. Value must contain the decimal

Section 5 - Refinery Operations

BSTO	Stocks Beginning of Month
GREC	Receipts During Month
INPT	Inputs During Month
PROD	Production During Month
SHIP	Shipments During Month
USEL	Refinery Fuel Use and Losses During Month
ESTO	Stocks End of Month

Section 6 – Refinery Storage Capacity

- RSCI Shell Idle Refinery Storage Capacity
RSCO Shell In Operation Refinery Storage Capacity
RSCT Shell Total Refinery Storage Capacity
RSCW Working Refinery Storage Capacity

Product Codes**Section 3 - Refinery Input and Capacity**

- 990 Gross Input to Atmospheric Crude Oil Distillation Units

Fresh Feed Input to Downstream Processing Units

- 490 Catalytic Reformer
491 Catalytic Cracking Units
492 Catalytic Hydrocracking Units
493 Delayed and Fluid Coking Units

Operable Capacity of Atmospheric Crude Oil Distillation Units

- 300 Operating
400 Idle
401 Total Operable

Section 4 - Sulfur Content and API Gravity of Crude Oil

- 030 Receipts
040 Inputs

Section 5 - Refinery Operations**Crude Oil (including lease condensate)**

- 050 Crude Oil Total
010 Domestic Crude Oil (including Alaskan)
011 Alaskan Crude Oil
020 Foreign Crude Oil

Other Hydrocarbons, Hydrogen and Oxygenates

091	Hydrogen
093	Other Hydrocarbons
202	Hydrogen, Renewable Fuels (Including Fuel Ethanol) TOTAL
091	Hydrogen
141	Fuel Ethanol
203	Biomass-Based Diesel Fuel
205	Other Renewable Diesel Fuel
207	Other Renewable Fuels
446	Oxygenates (excluding Fuel Ethanol), TOTAL
142	Ethyl tertiary butyl ether (ETBE)
144	Methyl tertiary butyl ether (MTBE)
445	Other Oxygenates

Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

108	Ethane/Ethylene, Total
641	Ethane - LRG
631	Ethylene
246	Propane/Propylene, Total
642	Propane – LRG
632	Propylene
244	Normal Butane/Butylene, Total
249	Normal Butane – NGPL
643	Normal Butane – LRG
633	Butylene
245	Isobutane/Isobutylene, Total
247	Isobutane - NGPL
644	Isobutane - LRG
634	Isobutylene
220	Pentanes Plus

Unfinished Oils

- 812 Unfinished Oils, Total
- 820 Naphthas and Lighter
- 830 Kerosene and Light Gas Oils
- 840 Heavy Gas Oils
- 850 Residuum

Finished Motor Gasoline

- 125 Reformulated (Blended with Fuel Ethanol)
- 127 Reformulated (Other)
- 166 Conventional, Blended with Fuel Ethanol, Ed55 and Lower
- 149 Conventional, Blended with Fuel Ethanol, Greater than Ed44
- 130 Conventional (Other) Motor Gasoline Blending Components
- 118 Reformulated Blendstock for Oxygenate Blending (RBOB)
- 139 Conventional Blendstock for Oxygenate Blending (CBOB)
- 117 Gasoline Treated as Blendstock (GTAB)
- 138 All Other Motor Gasoline Blending Components

Aviation Gasoline

- 111 Finished Aviation
- 112 Blending Components

Special Naphthas

- 051 Special Naphthas (Solvents)

Jet Fuel

- 213 Kerosene-Type, Total
- 217 Commercial, Kerosene- Type
- 218 Military, Kerosene-Type

Kerosene

- 311 Kerosene

Distillate Fuel Oil

- 411 Distillate Fuel Oil
- 465 15 ppm sulfur and under
- 466 Greater than 15 ppm to 500 ppm sulfur (incl.)
- 467 Greater than 500 ppm sulfur

Residual Fuel Oil

- 511 Residual Fuel Oil, Total
- 508 Under 0.31% Sulfur
- 509 0.31% to 1.00% Sulfur (incl.)
- 510 Over 1.00% Sulfur

Lubricants

- 854 Lubricants, Total
- 852 Naphthenic
- 853 Paraffinic

Asphalt and Road Oil

- 931 Asphalt and Road Oil

Wax

- 070 Wax

Petroleum Coke

- 021 Petroleum Coke, Marketable
- 022 Petroleum Coke, Catalyst

Still Gas

- 045 Still Gas

Petrochemical Feedstocks

- 822 Naphtha < 401o F End-Point
- 824 Other Oils > 401o F End-Point

Miscellaneous Products

- 097 Non-Fuel Use
- 098 Fuel Use

Inputs (Gain) or Production (Loss)

911 Inputs or Production

Total

999 Total

Section 6 - Refinery Storage CapacityCrude Oil

050 Crude Oil

Fuel Ethanol

141 Fuel Ethanol

Natural Gas Plant Liquids and Liquefied Refinery Gases

242 Natural Gas Plant Liquids and Liquefied Refinery Gases

246 Propane/Propylene (dedicated)

Motor Gasoline (including Blending Components)

131 Motor Gasoline (including Blending Components)

Distillate Fuel Oil

411 Distillate Fuel Oil

Kerosene and Kerosene-Type Jet Fuel

308 Kerosene and Kerosene-Type Jet Fuel

Residual Fuel Oil

511 Residual Fuel Oil

Asphalt and Road Oil

931 Asphalt and Road Oil

All Other Fuel Types

332 All Other

Total

999 Total

Sample Importation File

The following sample file contains data for respondent **1111111111** for the month of **April**. The file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

81011111111110410	CAPA	3991
81011111111110410	CAPA	4002
81011111111110410	CAPA	4013
81011111111110410	INPT	0214
81011111111110410	INPT	0455
81011111111110410	INPT	0506
81011111111110410	INPT	0517
81011111111110410	INPT	0708
81011111111110410	INPT	0919
81011111111110410	INPT	09310
81011111111110410	INPT	09711
81011111111110410	INPT	09812
81011111111110410	INPT	10813
81011111111110410	INPT	11114
81011111111110410	INPT	11215
81011111111110410	INPT	11716
81011111111110410	INPT	11817
81011111111110410	INPT	12518
81011111111110410	INPT	31141
81011111111110410	INPT	41142
81011111111110410	INPT	44543
81011111111110410	INPT	44644
81011111111110410	INPT	46545
81011111111110410	INPT	46646
81011111111110410	INPT	46747
81011111111110410	INPT	49048
81011111111110410	INPT	49149
81011111111110410	INPT	49250
81011111111110410	INPT	49351

EIA-811 Monthly Bulk Terminal Report

Edit Criteria

The following are the Edit Criteria for the EIA-811.

Survey	Rule Code	Error Message
811	ADA	Address line cannot be blank.
811	ADC	City cannot be blank.
811	ADN	Company Name cannot be blank.
811	ADN	Zip cannot be blank.
811	ADS	Invalid State code.
811	ADS	State cannot be blank.
811	TQE	Total Quantity Error. The U.S. Total for All Other Motor Gasoline Blending Components (138) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Asphalt and Road Oil (931) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Conventional (Blended with Alcohol) (128) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Conventional (Other) (130) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Conventional Blendstock for Oxygenate Blending (CBOB) (139) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Distillate Fuel Oil: 15 ppm sulfur and under (465) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Distillate Fuel Oil: Greater than 15 ppm sulfur to 500 ppm sulfur (incl.) (466) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Distillate Fuel Oil: Greater than 500 ppm sulfur (467) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Ethane/Ethylene (110) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Ethylene (631) must equal the sum of values for reported states.

Survey	Rule Code	Error Message
811	TQE	Total Quantity Error. The U.S. Total for Finished Aviation Gasoline (111) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Gasoline Treated as Blendstock (GTAB): Conventional (121) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Gasoline Treated as Blendstock (GTAB): Reformulated (120) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Kerosene-Type Jet Fuel (213) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Lubricants (854) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Miscellaneous Products (888) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Normal Butane/Butylene (232) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Oxygenates: All Other Oxygenates (445) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Oxygenates: Ethyl Tertiary Butyl Ether (ETBE) (142) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Oxygenates: Fuel Ethanol (FE) (141) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Oxygenates: Methyl Tertiary Butyl Ether (MTBE) (144) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Pentanes Plus (220) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Propane/Propylene (231) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Propylene (624) must equal the sum of values for reported states.

Survey	Rule Code	Error Message
811	TQE	Total Quantity Error. The U.S. Total for Refinery-Grade Butane (235) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Reformulated (Blended with Alcohol) (125) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Reformulated (Blended with Ether) (124) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Reformulated (Non-Oxygenated) (126) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Reformulated Blendstock for Oxygenate Blending (RBOB) for Blending with Alcohol (123) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Reformulated Blendstock for Oxygenate Blending (RBOB) for Blending with Ether (122) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Residual Fuel Oil: 0.31% to 1.00% sulfur (incl.) (509) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Residual Fuel Oil: Over 1.00% sulfur (510) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Residual Fuel Oil: Under 0.31% sulfur (508) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Special Naphthas (Solvents) (051) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Unfinished Oils: Heavy Gas Oils (840) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Unfinished Oils: Kerosene and Lighter Gas Oils (830) must equal the sum of values for reported states.

Survey	Rule Code	Error Message
811	TQE	Total Quantity Error. The U.S. Total for Unfinished Oils: Naphthas and Lighter (820) must equal the sum of values for reported states.
811	TQE	Total Quantity Error. The U.S. Total for Unfinished Oils: Residuum (850) must equal the sum of values for reported states.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-811 Survey.

COLUMN DESCRIPTION

- 1-3 3-digit EIA form number : **811**
- 4-13 10-digit respondent ID number
- 14-15 2-digit month code : 01-12 (06=June, etc.)
- 16-17 2-digit year code (09=2009, etc.)
- 20-23 4-character cell label
- 24-26 3-character location code for or 2 character state code followed by 1 blank
- 27-29 3-digit product code
- 30-34 5-digit quantity in thousands of barrels

Cell Labels

Section 1 through 5-Bulk Terminal ESTO Stocks End of Month Location Codes

- 101 PADD 1: Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)
- 102 PADD 2: Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)
- 103 PADD 3: Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)
- 104 PADD 4: Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)
- 105 PADD 5: Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)
- 106 TOTAL U.S.: Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)

Product Codes

Finished Motor Gasoline

- 124 Reformulated (Blended with Ether)
- 125 Reformulated (Blended with Alcohol)
- 126 Reformulated (Non-Oxygenated)
- 128 Conventional (Blended with Alcohol)
- 130 Conventional (Other)
- 111 Finished Aviation Gasoline
- 051 Special Napthas (Solvents)
- 311 Kerosene

Motor Gasoline Blending Components

- 122 Reformulated Blendstock for Oxygenate Blending (RBOB) for Blending with Ether
- 123 Reformulated Blendstock for Oxygenate Blending (RBOB) for Blending with Alcohol
- 139 Conventional Blendstock for Oxygenate Blending (CBOB)

Gasoline Treated as Blendstock (GTAB)

- 120 Reformulated
- 121 Conventional
- 138 All Other Motor Gasoline Blending Components

Finished Aviation Gasoline

- 111 Finished Aviation Gasoline

Special Napthas

- 051 Special Napthas

Kerosene

- 311 Kerosene
 - 213 Kerosene-Type Jet Fuel
-

Distillate Fuel Oil

- 465 15 ppm sulfur and under
- 466 Greater than 15 ppm sulfur to 500 ppm sulfur (incl.)
- 467 Greater than 500 ppm sulfur
- 854 Lubricants, Total
- 931 Asphalt and Road Oil
- 888 Miscellaneous Products

Residual Fuel Oil

- 508 Under 0.31% Sulfur
- 509 0.31% to 1.00% Sulfur (incl.)
- 510 Over 1.00% Sulfur
- 220 Pentanes Plus

Liquefied Petroleum and Refinery Gases

- 110 Ethane/Ethylene
- 631 Ethylene
- 231 Propane/Propylene
- 624 Propylene (nonfuel use)
- 232 Normal Butane/Butylene
- 235 Refinery-Grade Butane
- 233 Isobutane/Isobutylene

Renewable Fuels

- 141 Fuel Ethanol
- 203 Biomass-Based Diesel Fuel
- 205 Other Renewable Diesel Fuel
- 207 Other Renewable Fuels

Oxygenates

- 142 Ethyl tertiary butyl ether (ETBE)
 - 144 Methyl tertiary butyl ether (MTBE)
 - 445 All Other Oxygenates
-

Unfinished Oils

- 820 Naphthas and Lighter
- 830 Kerosene and Lighter Gas Oils
- 840 Heavy Gas Oils
- 850 Residuum

Diesel Fuel Oil

- 466 Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)

Sample Importation File

The following sample file contains data for respondent **0000000811** for the month of **April 2016**. The file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

81100000008110416 ESTOAL 311416

EIA-812 Monthly Product Pipeline Report

Edit Criteria

The following are the Edit Criteria for the EIA-812.

Survey	Rule Code	Error Message
812	ADA	Address line cannot be blank.
812	ADC	City cannot be blank.
812	ADN	Company Name cannot be blank.
812	ADN	Zip cannot be blank.
812	ADS	Invalid State code.
812	ADS	State cannot be blank.
812	CLI	Total quantity error. The Total Stocks (999) for PADD 1A (110) must equal the sum of the individual products.
812	CLI	Total quantity error. The Total Stocks (999) for PADD 1B (120) must equal the sum of the individual products.
812	CLI	Total quantity error. The Total Stocks (999) for PADD 1C (130) must equal the sum of the individual products.
812	CLI	Total quantity error. The Total Stocks (999) for PADD 2 (200) must equal the sum of the individual products.
812	CLI	Total quantity error. The Total Stocks (999) for PADD 3 (300) must equal the sum of the individual products.
812	CLI	Total quantity error. The Total Stocks (999) for PADD 4 (400) must equal the sum of the individual products.
812	CLI	Total quantity error. The Total Stocks (999) for PADD 5 (500) must equal the sum of the individual products.
812	CLI	Total quantity error. The Total Stocks (Row 999) for U.S.Total (Column 999) must equal the sum of the individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 1 to PADD 2 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 1 to PADD 3 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 2 to PADD 1 must equal the sum of the respective movements for individual products.

Survey	Rule Code	Error Message
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 2 to PADD 3 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 2 to PADD 4 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 3 to PADD 1 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 3 to PADD 2 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 3 to PADD 4 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 3 to PADD 5 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 4 to PADD 2 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 4 to PADD 3 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 4 to PADD 5 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 5 to PADD 3 must equal the sum of the respective movements for individual products.
812	TQE	Total quantity error. The Total Movements (Row 999) from PADD 5 to PADD 4 must equal the sum of the respective movements for individual products.
812	TQE	Total Quantity Error. The U.S. Total (999) for ETBE (142) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Ethane/Ethylene (108) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Finished Aviation Gasoline (111) must equal the sum of the PADD values.

Survey	Rule Code	Error Message
812	TQE	Total Quantity Error. The U.S. Total (999) for Fuel Ethanol (141) must equal the sum of the PADD values. New
812	TQE	Total Quantity Error. The U.S. Total (999) for Isobutane/Isobutylene (245) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Kerosene (311) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Kerosene-Type jet fuel (213) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Miscellaneous Products (888) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for MTBE (144) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Normal Butane/Butylene (232) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Pentanes Plus (220) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Propane/Propylene (246) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for Residual fuel Oil (511) must equal the sum of the PADD values.
812	TQE	Total Quantity Error. The U.S. Total (999) for TOTAL (999) must equal the sum of the PADD values.

File Format

The import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-812 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number : 812
4-13	10-digit respondent ID number
14-15	2-digit month code: 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	blank
20-23	4-character cell label
24-26	3-character location code or shipping and receiving PADD
27-29	3-digit product code
30-34	5-digit quantity in thousands of barrels

Cell Labels**Part 3 – Product Pipeline Stocks**

CELL LABEL	DESCRIPTION
ESTO	Stocks of Products for; PADD 1A, location code 110 PADD 1B, location code 120 PADD 1C, location code 130 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 U.S. Total, location code 999

Part 4 – Diesel Fuel Downgraded

CELL LABEL	DESCRIPTION
ESTO	Volume of Ultra-Low Sulfur Diesel Fuel (15 ppm and under) downgraded during the report month for; PADD 1, location code 101 PADD 2, location code 102 PADD 3, location code 103 PADD 4, location code 104 PADD 5, location code 105 U.S. Total, location code 106

Part 5 – Product Pipeline Movements between PAD Districts

CELL LABEL	DESCRIPTION
GMOV	Movements from; PADD 1 to PADD 2, location code 12 PADD 1 to PADD 3, location code 13 PADD 2 to PADD 1, location code 21 PADD 2 to PADD 3, location code 23 PADD 2 to PADD 4, location code 24 PADD 3 to PADD 1, location code 31 PADD 3 to PADD 2, location code 32 PADD 3 to PADD 4, location code 34 PADD 3 to PADD 5, location code 35 PADD 4 to PADD 2, location code 42 PADD 4 to PADD 3, location code 43 PADD 4 to PADD 5, location code 45 PADD 5 to PADD 3, location code 53 PADD 5 to PADD 4, location code 54

Part 6 – Pipeline and Storage Tank Access

CELL LABEL	DESCRIPTION
ACCS	Pipeline Operation and Access Code for PADD 1A, location code 110 PADD 1B, location code 120 PADD 1C, location code 130 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 associated product code is 999

Part 7 – Product Pipeline Tank Storage Capacity

CELL LABEL	DESCRIPTION
RSCW	Working Pipeline Tank Storage Capacity for, PADD 1A, location code 110 PADD 1B, location code 120 PADD 1C, location code 130 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 Storage Capacity Total, location code 999
RSCT	Shell Total Pipeline Tank Storage Capacity for, PADD 1A, location code 110 PADD 1B, location code 120 PADD 1C, location code 130 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 Storage Capacity Total, location code 999
RSCI	Idle Pipeline Tank Storage Capacity for, PADD 1A, location code 110 PADD 1B, location code 120 PADD 1C, location code 130 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400
RSCO	In Operation Pipeline Tank Storage Capacity for, PADD 1A, location code 110 PADD 1B, location code 120 PADD 1C, location code 130 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 Storage Capacity Total, location code 999

Part 8 – Stocks in Tanks and Underground Storage

CELL LABEL	DESCRIPTION
USTO	Stocks in Tanks and Underground Storage for, PADD 1A, location code 110 PADD 1B, location code 120 PADD 1C, location code 130 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 Stocks in Tanks and Underground Storage Total, location code 999

Product Codes**Sections 3 & 5 - Stocks and Movements of Products**

Renewable Fuels

- 141 Fuel Ethanol
- 203 Biomass-Based Diesel Fuel
- 205 Other Renewable Diesel Fuel
- 207 Other Renewable Fuels

Oxygenates

- 142 Ethyl tertiary butyl ether (ETBE)
- 144 Methyl tertiary butyl ether (MTBE)
- 445 Other Oxygenates

Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

- 108 Ethane/Ethylene, Total
- 246 Propane/Propylene, Total
- 244 Normal Butane/Butylene, Total
- 245 Isobutane/Isobutylene, Total
- 220 Pentanes Plus
- 242 Natural Gas Plant Liquids and Liquefied Refinery Gases
- 411 Distillate Fuel Oil

Finished Motor Gasoline

125 Reformulated (Blended with Fuel Ethanol)

127 Reformulated (Other)

Conventional, Blended with Fuel Ethanol

166 Ed55 and Lower

149 Greater than Ed55

130 Conventional, Other Motor Gasoline Blending Components

118 Reformulated Blendstock for Oxygenate Blending (RBOB)

139 Conventional Blendstock for Oxygenate Blending (CBOB)

117 Gasoline Treated as Blendstock (GTAB)

138 All Other Motor Gasoline Blending Components

Aviation Gasoline

111 Finished Aviation

Jet Fuel

213 Kerosene-Type, Total

Kerosene

311 Kerosene

Distillate Fuel Oil

465 15 ppm sulfur and under

466 Greater than 15 ppm to 500 ppm sulfur (incl.)

467 Greater than 500 ppm sulfur

Residual Fuel Oil

511 Residual Fuel Oil, Total

Miscellaneous Products

888 Miscellaneous Products

Total

999 Total

Section 4 – Diesel Fuel

Diesel Fuel Downgraded

466 Total Volume of 15 ppm sulfur and under diesel fuel downgraded during week (thousand barrels)

Section 6 – Pipeline and Storage Tank Access

Pipeline and Storage Tank Access

999 Pipeline Operation and Access Code

Section 7 – Product Pipeline Storage Capacity (all split into Working and Shell (Idle and In Operation))

141 Fuel Ethanol
242 Natural Gas Plant Liquids and Liquefied Refinery Gases
246 Propane/Propylene
131 Motor Gasoline
411 Distillate Fuel Oil
308 Kerosene and Kerosene-Type Jet Fuel
334 All Other
999 Total

Section 8 – Stocks in Tanks and Underground Storage

141 Fuel Ethanol
242 Natural Gas Plant Liquids and Liquefied Refinery Gases
246 Propane/Propylene (dedicated)
131 Motor Gasoline (incl. Blending Components)
411 Distillate Fuel Oil
308 Kerosene and Kerosene-Type Jet Fuel
334 All Other
999 Total

Sample Importation File

The following sample file contains the data for respondent **111111111** for the month of **February 2016**. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

81211111111110216	ACCS1109991	81211111111110216	ESTO11010866
81211111111110216	ACCS1209992	81211111111110216	ESTO12016867
81211111111110216	ACCS1309991	81211111111110216	ESTO13010868
81211111111110216	ACCS2009992	81211111111110216	ESTO20010869
81211111111110216	ACCS3009991	81211111111110216	ESTO30010870
81211111111110216	ACCS4009992	81211111111110216	ESTO40010871
81211111111110216	ACCS5009991	81211111111110216	ESTO5001087
81211111111110216	USTO4002422	81211111111110216	ESTO99910873
81211111111110216	USTO5002423	81211111111110216	ESTO11011174
81211111111110216	USTO9992424	81211111111110216	ESTO12011175
81211111111110216	USTO1102465	81211111111110216	ESTO13011176
81211111111110216	USTO1202466	81211111111110216	ESTO20011177
81211111111110216	USTO1302467	81211111111110216	ESTO30011178
81211111111110216	USTO2002468	81211111111110216	ESTO40011179
81211111111110216	USTO3002469	81211111111110216	ESTO50011180
81211111111110216	USTO40024610	81211111111110216	ESTO99911181
81211111111110216	USTO50024611	81211111111110216	ESTO11011782
81211111111110216	USTO99924612	81211111111110216	ESTO12011783
81211111111110216	USTO11030813	81211111111110216	ESTO13011784
81211111111110216	USTO12030814	81211111111110216	ESTO20011785
81211111111110216	USTO13030815	81211111111110216	ESTO30011786

EIA-813 Monthly Crude Oil Report

Edit Criteria

The following are the Edit Criteria for the EIA-813.

Survey	Rule Code	Error Message
813	ADA	Address line cannot be blank.
813	ADC	City cannot be blank.
813	ADN	Company Name cannot be blank.
813	ADN	Zip cannot be blank.
813	ADS	Invalid State code.
813	ADS	State cannot be blank.
813	CLI	Total quantity error. The U.S. Total (999) for Lease Stocks (057) must equal the sum of the PADD values.
813	CLI	Total quantity error. The U.S. Total (999) for Pipeline/Tank Farm Stocks (056) must equal the sum of the PADD values.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-813 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 813
4-13	10-digit respondent ID number
14-15	2-digit month code: 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	blank
20-23	4-character cell label
24-26	3-character location code or shipping and receiving PADD
27-29	3-digit product code
30-34	5-digit quantity in thousands of barrels

Cell Labels

Part 3 - Stocks of Crude Oil and Crude Oil Consumed as Fuel

CELL LABEL	DESCRIPTION
ESTO	Stocks of Products for PADD 1, location code 100 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 Total Stocks, location code 999

Part 4 – Receipts of Crude Oil

CELL LABEL	DESCRIPTION
GREC	Receipts for PADD 3, location code 300

Part 5 - Movement of Crude Oil By Pipeline Between Pad Districts During The Month (Thousand Barrels)

CELL LABEL	DESCRIPTION
GMOV	Movements from PADD 1 to PADD 2, location code 12 PADD 1 to PADD 3, location code 13 PADD 2 to PADD 1, location code 21 PADD 2 to PADD 3, location code 23 PADD 2 to PADD 4, location code 24 PADD 3 to PADD 1, location code 31 PADD 3 to PADD 2, location code 32 PADD 3 to PADD 4, location code 34 PADD 3 to PADD 5, location code 35 PADD 4 to PADD 2, location code 42 PADD 4 to PADD 3, location code 43 PADD 4 to PADD 5, location code 45 PADD 5 to PADD 3, location code 53 PADD 5 to PADD 4, location code 54

Part 6 - Crude Oil Storage Capacity of Tankfarms By Pad District (Thousand Barrels)

CELL LABEL	DESCRIPTION
RSCW	Working Crude Oil Storage Capacity of Tankfarms for, PADD 1, location code 100 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 U.S. Total, location code 999
RSCI	Idle Capacity of Tankfarms for, PADD 1, location code 100 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 U.S. Total, location code 999
RSCE	In Operation (exclusive use) Capacity of Tankfarms for, PADD 1, location code 100 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 U.S. Total, location code 999
RSCL	In Operation (leased to others) Capacity of Tankfarms for, PADD 1, location code 100 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500

Part 7 - Crude Oil Storage Capacity of Tankfarms at Cushing, Oklahoma.

CELL LABEL	DESCRIPTION
RSCW	Working Crude Oil Storage Capacity of Tankfarms at Cushing, Oklahoma
RSCT	Shell Storage Capacity of Tankfarms at Cushing, Oklahoma
RSCI	Idle Capacity of Tankfarms at Cushing, Oklahoma
RSCE	In Operation (exclusive use) Capacity of Tankfarms at Cushing, Oklahoma
RSCL	In Operation (leased to others) Capacity of Tankfarms at Cushing, Oklahoma

Part 8 – Stocks in Tanks and Underground Storage

CELL LABEL	DESCRIPTION
USTO	Stocks in Tanks and Underground Storage for, PADD 1, location code 100 PADD 2, location code 200 PADD 3, location code 300 PADD 4, location code 400 PADD 5, location code 500 U.S. Total, location code 999

Product Codes

Section 3 - Stocks of Crude Oil and Crude Oil Consumed as Fuel

- 056 Pipeline/Tank Farm Stocks
- 053 Cushing, Oklahoma Stocks
- 057 Lease Stocks
- 092 Alaskan Crude Oil in Transit by Water

Sections 4 & 5- Movement and Receipts of Crude Oil by Pipeline Between PAD Districts During the Month

- 050 Crude Oil

Part 6 - Crude Oil Storage Capacity of Tankfarms¹ By Pad District (Thousand Barrels)

NOTE: Product Code is not shown on form; it is 056.

Part 7 - Crude Oil Storage Capacity of Tankfarms at Cushing, Oklahoma.

NOTE: Product Code is not shown on form; it is 053. The location code would be 600.

Part 8 – Stocks in Tanks and Underground Storage

- 056 Stocks in Tanks and Underground Storage (Total)
- 053 Cushing, Oklahoma

Sample Importation File

The following sample file contains the data for respondent 1111111111 for February 2011. The file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

81311111111110216	USTO1000561	81311111111110216	RSCE99905636
81311111111110216	USTO2000562	81311111111110216	RSCE60005337
81311111111110216	USTO3000563	81311111111110216	ESTO20005338
81311111111110216	USTO4000564	81311111111110216	ESTO10005639
81311111111110216	USTO5000565	81311111111110216	ESTO20005640
81311111111110216	USTO9990566	81311111111110216	ESTO30005641
81311111111110216	USTO2000537	81311111111110216	ESTO40005642
81311111111110216	RSCT1000568	81311111111110216	ESTO50005643
81311111111110216	RSCT2000569	81311111111110216	ESTO99905644
81311111111110216	RSCT30005610	81311111111110216	ESTO10005745
81311111111110216	RSCT40005611	81311111111110216	ESTO20005746
81311111111110216	RSCT50005612	81311111111110216	ESTO30005747
81311111111110216	RSCT99905613	81311111111110216	ESTO40005748
81311111111110216	RSCT20005314	81311111111110216	ESTO50005749
81311111111110216	RSCT60005315	81311111111110216	ESTO99905750
81311111111110216	GREC30005016	81311111111110216	ESTO99909251
81311111111110216	RSCW10005617	81311111111110216	RSCL10005652
81311111111110216	RSCW20005618	81311111111110216	RSCL20005653
81311111111110216	RSCW30005619	81311111111110216	RSCL30005654
81311111111110216	RSCW40005620	81311111111110216	RSCL40005655
81311111111110216	RSCW50005621	81311111111110216	RSCL50005656
81311111111110216	RSCW99905622	81311111111110216	RSCL99905657
81311111111110216	RSCW60005323	81311111111110216	RSCL60005358
81311111111110216	RSCI10005624	81311111111110216	GMOVM1205059
81311111111110216	RSCI20005625	81311111111110216	GMOVM1305060
81311111111110216	RSCI30005626	81311111111110216	GMOVM2105061
81311111111110216	RSCI40005627	81311111111110216	GMOVM2305062
81311111111110216	RSCI50005628	81311111111110216	GMOVM2405063
81311111111110216	RSCI99905629	81311111111110216	GMOVM3105064
81311111111110216	RSCI60005330	81311111111110216	GMOVM3205065
81311111111110216	RSCE10005631	81311111111110216	GMOVM3405066
81311111111110216	RSCE20005632	81311111111110216	GMOVM3505067
81311111111110216	RSCE30005633	81311111111110216	GMOVM4205068
81311111111110216	RSCE40005634	81311111111110216	GMOVM4305069
81311111111110216	RSCE50005635	81311111111110216	GMOVM4505070
		81311111111110216	GMOVM5305071
		81311111111110216	GMOVM5405072

EIA-814 Monthly Imports Report

Edit Criteria

The following are the Edit Criteria for the EIA-814.

Survey	Rule Code	Error Message
814	NGR	Value for API Gravity is Required. For the commodity code you selected, you must enter a non-zero value for API Gravity.
814	NSR	Value for Sulfur Content is Required. For the commodity code you selected, you must enter a non-zero value for Sulfur Content.
814	FTC	Crude Country Mismatch. Crude imports are unlikely for the country you selected.
814	NCP	Processing City Required. For the commodity code you selected, you must enter a city in which the processing facility is located.
814	NQR	Quantity Required. You must provide a quantity for all imports lines.
814	TQE	Total quantity error. Total Quantity Reported must equal the sum of individual quantities reported.
814	TLE	Total Number of Lines entries Reported must equal the number of lines in the Detail Tab.
814	ADA	Address line cannot be blank.
814	ADS	Invalid State code.
814	ADN	Company Name cannot be blank.
814	ADC	City cannot be blank.
814	CCC	Port/Country Mismatch. You can only receive imports from Canada into the Port you entered.
814	CCW	Port/Country Mismatch. You can not receive imports from Canada into the Port you entered.
814	UPC	Port/Processor Location Mismatch. You have entered an unlikely combination of Port and Processor locations.
814	ADS	State cannot be blank.
814	ADN	Zip cannot be blank.
814	NCP	Processing state required. For the commodity code you selected, you must enter a processing state.

Survey	Rule Code	Error Message
814	NCP	Processing facility required. For the commodity code you selected, you must enter a processing facility (a company name).

File Format

The Import Data Option of the Survey Utilities Menu Imports data from an ASCII (text) file to the PEDRO database for the EIA-814 Survey.

COLUMN DESCRIPTION

- 1-3 3-digit EIA form number: **814**
- 4-13 10-digit respondent ID number (shown IXXXXXXXX)
- 14-15 2-digit month code: 01-12 (06=June, etc. shown as MM)
- 16-17 2-digit year code: 90-91 (90=1990, etc. shown as YY)
- 18-19 blank
- 20-26 7-character cell label (shown as LLLLLLL)
- 27-29 3-digit line number (shown as NNN)
- 30-31 2-character state code for cell labels PORTSTA & PROSTAT (Shown as QQ)
- 30-33 4-digit port of entry code for cell label PORTNUM. Optional alternative to PORTCTY and PORTSTA (shown as QQQ)
- 30-34 5-character value for cell label COMMODT, or 5-digit quantity (QUANTTY or TOTAL) in thousands of barrels. Cell labels for SULFURW and APIGRAV must contain the decimal (shown as QQQQQ)
- 30-59 30-character value for cell labels: PORTCTY, PRONAME, PROCITY and COUNTRY (Shown as Q's)

Cell Labels

Product Codes

Asphalt and Road Oil	ASPHL
Aviation Gasoline	AVGAS
Aviation Gasoline Blending Components	AVGBC
Butylene	BUTL
Crude Oil (including Lease Condensate)	CRUDE
Crude Oil Burned as Fuel	CRDFL

Distillate Fuel Oil:Bonded

Distillate Fuel Oil 15 ppm Sulfur and Under	BDISU
Distillate Fuel Oil Greater than 15 ppm Sulfur to 500 ppm Sulfur (inclusive)	BDISL
Distillate Fuel Oil Greater than 500 ppm Sulfur to 2000 ppm Sulfur (inclusive)	BDISH
Distillate Fuel Oil Greater than 2000 ppm Sulfur	BDISG

Other

Distillate Fuel Oil 15 ppm Sulfur and Under	DISU
Distillate Fuel Oil Greater than 15 ppm Sulfur to 500 ppm Sulfur (inclusive)	DISL
Distillate Fuel Oil Greater than 500 ppm Sulfur to 2000 ppm Sulfur (inclusive)	DISH
Distillate Fuel Oil Greater than 2000 ppm Sulfur	DISG
Ethane	ETHN
Ethylene	ETHL
Isobutane	ISBTN
Isobutylene	ISBTL
Kerosene	KERO

Kerosene-Type Jet Fuel:

Domestic	KEROJ
Bonded	BKERJ
Lubricants	LUBES
Miscellaneous Products	MISC

Motor Gasoline Blending Components:

RBOB for Blending with Ether	RBOBE
RBOB for Blending with Alcohol	RBOBA
CBOB	CBOB
GTAB, Reformulated	GTABR
GTAB, Conventional	GTABC
All Other	BCOTH

Motor Gasoline

Reformulated, blended with ether	MGRFE
Reformulated, blended with alcohol	MGRFA
Reformulated, non-oxygenated	MGRNO
Conventional, blended with alcohol	MGCWA
Conventional, other	MGCOT

Naphtha-Type Jet Fuel:

Normal Butane	BUTN
Other Hydrocarbons/Hydrogen	OHCHY

Oxygenates:

Ethyl tertiary butyl ether	ETBE
Fuel Ethanol	FETH
Methanol	METH
Methyl tertiary butyl ether	MTBE
Pentanes Plus	PENT +

Petrochemical Feedstocks:

Naphtha<401°F End-Point	NFEED
Other Oils> 401°F End-Point	OFEED
Petroleum Coke	COKE
Propane	PROP
Propylene	PROPL

Residual Fuel Oil:

Domestic	RESID
Bonded	BRESID
Special Naphthas	SNAPH

Unfinished Oils:

Naphthas and Lighter (<401°F End-Point)	UNAPH
Kerosene and Light (401°F-650°F End-Point)	ULITE
Heavy Gas Oils (651°F-1000°F End-Point)	UHEVY
Residuum (>1000°F End-Point)	URSID
Wax	WAX

Sample Importation File

The following sample file contains data for company **000000814** for the months of **September 2016**. The file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation. Data over 14 months old must not be imported into PEDRO as this will result in an error.

```

81400000008140910 COMMODT001CRUDE
81400000008140910 PROCITY001HOUSTON
81400000008140910 PROSTAT001TX
81400000008140910 COUNTRY001ALGERIA
81400000008140910 QUANTITY001500
81400000008140910 SULFURW0010.01
81400000008140910 APIGRAV00123.00
81400000008140910 PRONAME001ANYONECO
81400000008140910 PORTNUM0012004
81400000008140910 TOTAL999500

```

EIA-815 Monthly Terminal Blenders Report

Edit Criteria

The following are the Edit Criteria for the EIA-815.

Survey	Rule Code	Error Message
815	ADA	Address line cannot be blank.
815	ADC	City cannot be blank.
815	ADN	Company Name cannot be blank.
815	ADN	Zip cannot be blank.
815	ADS	Invalid State Code.
815	ADS	State cannot be blank.
815	CLI	Line Imbalance. For 0.31% to 1.00% sulfur (incl.) (509), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For 15 ppm sulfur and under (465), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Bio-Mass Based Diesel (203), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Ethyl Tertiary Butyl Ether (MTBE) (142), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Fuel Ethanol (141), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Greater than 15 ppm to 500 ppm sulfur (incl.) (466), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Greater than 500 ppm sulfur (467), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Methyl Tertiary Butyl Ether (ETBE) (144), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Natural Gas Plant Liquids and Liquefied Refinery Gases, TOTAL (242), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.

Survey	Rule Code	Error Message
815	CLI	Line Imbalance. For Other Oxygenates (445), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Other Renewable Diesel (205), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Other Renewable Fuels (207), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Over 1.00% sulfur (510), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Under 0.31% sulfur (508), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Unfinished Oils, TOTAL (812), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For All Other Motor Gasoline Blending Components (138), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Asphalt and Road Oil (931), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Aviation Gasoline Blending Components (112), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Conventional Blendstock for Oxygenate Blending (CBOB) (139), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Conventional, Other (130), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Distillate Fuel Oil, TOTAL: (411), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Ed55 and Lower (166), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.

Survey	Rule Code	Error Message
815	CLI	Line Imbalance. For Finished Aviation Gasoline (111), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Gasoline Treated as Blendstock (GTAB) (117), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Greater than Ed55 (149), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Kerosene (311), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Kerosene-type Jet Fuel (213), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Lubricants (854), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Miscellaneous Products (888), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Reformulated Blendstock for Oxygenate Blending (RBOB) (118), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Reformulated, Blended with Fuel Ethanol (125), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Reformulated, Other (127), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Residual Fuel Oil, TOTAL: (511), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	CLI	Line Imbalance. For Special Naphthas (solvents) (051), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
815	P>T	Part greater than total. Beginning Stocks of Ethane/Ethylene (631) cannot exceed Beginning Stocks of Ethylene (108).

Survey	Rule Code	Error Message
815	P>T	Part greater than total. Beginning Stocks of Propane/Propylene (624) cannot exceed Beginning Stocks of Propylene (nonfuel use) (246).
815	P>T	Part greater than total. Receipts of Ethane/Ethylene (631) cannot exceed Receipts of Ethylene (108).
815	P>T	Part greater than total. Receipts of Propane/Propylene (624) cannot exceed Receipts of Propylene (nonfuel use) (246).
815	TQE	Subtotal Error. Total Ending Stocks of Distillate Fuel Oil (411) must equal the sum of its subordinate products (465, 466, 467)
815	TQE	Subtotal Error. Total Ending Stocks of Residual Fuel Oil (511) must equal the sum of its subordinate products (508, 509, 510)
815	TQE	Subtotal Error. Total Inputs of Distillate Fuel Oil (411) must equal the sum of its subordinate products (465, 466, 467)
815	TQE	Subtotal Error. Total Inputs of Residual Fuel Oil (511) must equal the sum of its subordinate products (508, 509, 510)
815	TQE	Subtotal Error. Total Production of Distillate Fuel Oil (411) must equal the sum of its subordinate products (465, 466, 467)
815	TQE	Subtotal Error. Total Production of Residual Fuel Oil (511) must equal the sum of its subordinate products (508, 509, 510)

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-815 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
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1-3	3-digit EIA form number: 815
4-13	10-digit respondent ID number
14-15	2-digit month code: 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	blank
20-26	4-character cell label and 3 blanks
27-29	3-digit product code
30-34	5-digit quantity in thousands of barrels

Cell Labels

Part 3 – Terminal and Blending Activity

CELL LABEL	DESCRIPTION
------------	-------------

BSTO	Stocks Beginning of Month
GREC	Receipts During Month
INPT	Inputs During Month
GPRO	Production During Month
SHIP	Shipments During Month
USEL	Refinery Fuel Use and Losses During Month
ESTO	Stocks End of Month

Part 4 – Bulk Terminal Storage Capacity

CELL LABEL	DESCRIPTION
TRAN	Are any tanks at this terminal used for trans-shipment of products by pipeline or other transportation modes? Enter yes (Y) or no (N) in the box. STEPS requires that this value be a numeric value. Use the value 1 for a no ('N') response and the value 2 for a yes ('Y') response. The associated product code is 901.
RSCW	Working Bulk Terminal Storage Capacity
RSCE	In Operation (exclusive use) Bulk Terminal Storage Capacity
RSCL	In Operation (leased to others) Bulk Terminal Storage Capacity
RSCI	Idle Bulk Terminal Storage Capacity
RSCT	Total Shell Bulk Terminal Storage Capacity

Product Codes

Section 3 – Terminal and Blending Activity

Renewable Fuels:

- 141 Fuel Ethanol
- 203 Biomass-Based Diesel
- 205 Other Renewable Diesel
- 207 Other Renewable Fuels

Oxygenates (excluding Fuel Ethanol):

- 144 Methyl Tertiary Butyl Ether (MTBE)
- 142 Ethyl Tertiary Butyl Ether (ETBE)
- 445 Other Oxygenates

Natural Gas Plant Liquids and Liquefied Refinery Gases

242	NGPL and LRG, Total
108	Ethane/Ethylene, Total
631	Ethylene
246	Propane/Propylene, Total
624	Propylene (nonfuel use)
244	Normal Butane/Butylene, Total
235	Refinery Grade Butane
245	Isobutane/Isobutylene
220	Pentanes Plus

Unfinished Oils

812	Unfinished Oils, Total
820	Naphthas and Lighter
830	Kerosene and Light Gas Oils
840	Heavy Gas Oils
850	Residuum

Finished Motor Gasoline

125	Reformulated (Blended with Fuel Ethanol)
127	Reformulated (Other)
166	Conventional, Blended with Fuel Ethanol, Ed55 and Lower
149	Conventional, Blended with Fuel Ethanol, Greater than Ed44
130	Conventional (Other) Motor Gasoline Blending Components
118	Reformulated Blendstock for Oxygenate Blending (RBOB)
139	Conventional Blendstock for Oxygenate Blending (CBOB)
117	Gasoline Treated as Blendstock (GTAB)
138	All Other Motor Gasoline Blending Components

Aviation Gasoline

111	Finished Aviation
112	Blending Components

Special Naphthas

051	Special Naphthas (Solvents)
-----	-----------------------------

Jet Fuel

213 Kerosene-Type, Total

Kerosene

311 Kerosene

Distillate Fuel Oil

411 Distillate Fuel Oil

465 15 ppm sulfur and under

466 Greater than 15 ppm to 500 ppm sulfur (incl.)

467 Greater than 500 ppm sulfur

Residual Fuel Oil

511 Residual Fuel Oil, Total

508 Under 0.31% Sulfur

509 0.31% to 1.00% Sulfur (incl.)

510 Over 1.00% Sulfur

Lubricants

854 Lubricants, Total

Asphalt and Road Oil

931 Asphalt and Road Oil

Miscellaneous Products

888 Miscellaneous Products

Inputs (Gain) or Production (Loss)

911 Inputs or Production

Total

999 Total

Section 4 – Refinery Storage Capacity (Working, In Operation (Exclusive Use and Leased to Others), Idle, and Total Shell)Renewable Fuels:

141 Fuel Ethanol

Natural Gas Plant Liquids and Liquefied Refinery Gases

242 NGPL and LRG, Total

246 Propane/Propylene, Total Motor Gasoline Blending Components

131 Motor Gasoline Blending Components

Distillate Fuel Oil

411 Distillate Fuel Oil

Kerosene and Kerosene Jet Fuel

308 Kerosene and Kerosene Jet Fuel

Residual Fuel Oil

511 Residual Fuel Oil, Total

Asphalt and Road Oil

931 Asphalt and Road Oil

All Other

332 All Other

Total

999 Total

Sample Importation File

The following sample file contains the data for respondent **1111111111** for the month of April **2016**. The file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

815111111111110410	RSCE	1311
815111111111110410	RSCE	1412
815111111111110410	RSCE	2423
815111111111110410	RSCE	2464
815111111111110410	RSCE	3085
815111111111110410	RSCE	3326
815111111111110410	RSCE	4117
815111111111110410	RSCE	5118
815111111111110410	RSCE	9319
815111111111110410	RSCE	99910
815111111111110410	RSCI	13111
815111111111110410	RSCI	14112
815111111111110410	RSCI	24213
815111111111110410	RSCI	24614

EIA-816 Monthly Natural Gas Liquids Report

Edit Criteria

The following are the Edit Criteria for the EIA-816.

Survey	Rule Code	Error Message
816	ADA	Address line cannot be blank.
816	ADC	City cannot be blank.
816	ADN	Company Name cannot be blank.
816	ADN	Zip cannot be blank.
816	ADS	Invalid State code.
816	ADS	State cannot be blank.
816	BII	Isobutane processing gain greater than 5 percent.
816	BII	Isobutane processing loss greater than 5 percent.
816	CLI	Line Imbalance. For Ethane (243), Ending Stocks should equal Beginning Stocks + Receipts + Production - Shipments - Use Loss.
816	CLI	Line Imbalance. For Isobutane (247), Ending Stocks should equal Beginning Stocks + Receipts + Production - Shipments - Use Loss.
816	CLI	Line Imbalance. For Normal Butane (249), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
816	CLI	Line Imbalance. For Pentanes Plus (220), Ending Stocks should equal Beginning Stocks + Receipts - Inputs + Production - Shipments - Use Loss.
816	CLI	Line Imbalance. For Propane (248), Ending Stocks should equal Beginning Stocks + Receipts + Production - Shipments - Use Loss.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-816 Survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 816
4-13	10-digit respondent ID number
14-15	2-digit month code : 01-12 (06 = June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	blank
20-23	4-character cell label
26-28	3-digit product code
31-38	8-digit quantity in thousands of barrels

Cell Labels**Section 1-Natural Gas Liquids Activity**

BSTO	Stocks Beginning of Month
INPT	Inputs During Month
SHIP	Shipments During Month
USEL	Plant Fuel Use and Losses During Month
GPRO	Production During Month
ESTO	Stocks End of Month
GREC	Receipts During Month

Product Codes**Section 1-Natural Gas Liquids Activity**

243	Ethane
248	Propane
249	Normal Butane
247	Isobutane
220	Pentanes Plus

Sample Importation File

The following sample file contains data for respondent **000000816** for the month **of May 2016**. The file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

81600000008160510	BSTO	243	400
81600000008160510	GREC	243	100
81600000008160510	GPRO	243	100
81600000008160510	SHIP	243	100
81600000008160510	ESTO	243	500
81600000008160510	BSTO	249	500
81600000008160510	GREC	249	200
81600000008160510	INPT	249	300
81600000008160510	GPRO	249	200
81600000008160510	SHIP	249	500
81600000008160510	USEL	249	250
81600000008160510	ESTO	249	100
81600000008160510	BSTO	220	200
81600000008160510	ESTO	220	200
81600000008160510	BSTO	247	500
81600000008160510	ESTO	247	500
81600000008160510	BSTO	248	500
81600000008160510	GREC	248	400
81600000008160510	SHIP	248	300
81600000008160510	ESTO	248	600

EIA-817 Monthly Tanker and Barge Movement Report

Edit Criteria

The following are the Edit Criteria for the EIA-817.

Survey	Rule Code	Error Message
817	ADA	Address line cannot be blank.
817	ADC	City cannot be blank.
817	ADN	Company Name cannot be blank.
817	ADN	Zip cannot be blank.
817	ADS	Invalid State code.
817	ADS	State cannot be blank.
817	TQE	Total Quantity Error. The total of product movements from PADD 1 to PADD 2 must equal the Total (999) entered on the Movement 1 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 1 to PADD 3 must equal the Total (999) entered on the Movement 1 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 1 to PADD 5 must equal the Total (999) entered on the Movement 1 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 2 to PADD 3 must equal the Total (999) entered on the Movement 1 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 2 to PADD 1 must equal the Total (999) entered on the Movement 1 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 3 to PADD 1A must equal the Total (999) entered on the Movement 2 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 3 to PADD 1B must equal the Total (999) entered on the Movement 2 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 3 to PADD 1C must equal the Total (999) entered on the Movement 2 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 3 to PADD 2 must equal the Total (999) entered on the Movement 2 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 3 to PADD 5 must equal the Total (999) entered on the Movement 2 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 5 to PADD 1 must equal the Total (999) entered on the Movement 3 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 5 to PADD 3 must equal the Total (999) entered on the Movement 3 tab page.
817	TQE	Total Quantity Error. The total of product movements from PADD 5 to PADD 3 must equal the Total (999) entered on the Movement 3 tab page.

File Format

The Import Data option of the Survey Utilities Menu imports data from an ASCII (text) file to the PEDRO database for the EIA-817 survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 817
4-13	10-digit respondent ID number
14-15	2-digit month code: 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	blank
20-26	7-character cell label
27-29	3-digit product code
30-34	5-digit quantity in thousands of barrels

Cell Labels

GMOVM12	Movements from PADD 1 to PADD 2
GMOVM13	Movements from PADD 1 to PADD 3
GMOVM15	Movements from PADD 1 to PADD 5
GMOVM21	Movements from PADD 2 to PADD 1
GMOVM23	Movements from PADD 2 to PADD 3
GMOV31A	Movements from PADD 3 to PADD 1X
GMOV31B	Movements from PADD 3 to PADD 1Y
GMOV31C	Movements from PADD 3 to PADD 1Z
GMOVM32	Movements from PADD 3 to PADD 2
GMOVM35	Movements from PADD 3 to PADD 5
GMOVM51	Movements from PADD 5 to PADD 1
GMOVM53	Movements from PADD 5 to PADD 3

Product CodesCrude Oil

050 Crude Oil

Renewable Fuels

141 Fuel Ethanol

203 Biomass-Based Diesel Fuel

205 Other Renewable Diesel Fuel

207 Other Renewable Fuels

Natural Gas Plant Liquids (NGPL) and Liquefied Refinery Gases (LRG)

108 Ethane/Ethylene, Total

246 Propane/Propylene, Total

244 Normal Butane/Butylene, Total

245 Isobutane/Isobutylene, Total

Unfinished Oils

812 Unfinished Oils

Finished Motor Gasoline

125 Reformulated (Blended with Alcohol)

127 Reformulated (Other)

166 Conventional, Blended with Fuel Ethanol, Ed55 and Lower

149 Conventional, Blended with Fuel Ethanol, Greater than Ed44

130 Conventional (Other) Motor Gasoline Blending Components

118 Reformulated Blendstock for Oxygenate Blending (RBOB)

139 Conventional Blendstock for Oxygenate Blending (CBOB)

117 Gasoline Treated as Blendstock (GTAB)

138 All Other Motor Gasoline Blending Components

Aviation Gasoline

111 Finished Aviation

Special Naphthas

051 Special Naphthas (Solvents)

Jet Fuel

213 Kerosene-Type, Total

Kerosene

311 Kerosene

Distillate Fuel Oil

465 15 ppm sulfur and under

466 Greater than 15 ppm to 500 ppm sulfur (incl.)

467 Greater than 500 ppm sulfur

Residual Fuel Oil

508 Under 0.31% Sulfur

509 0.31% to 1.00% Sulfur (incl.)

510 Over 1.00% Sulfur

Lubricants

854 Lubricants, Total

Asphalt and Road Oil

931 Asphalt and Road Oil

Wax

070 Wax

Petrochemical Feedstocks

822 Naphtha < 401° F End-Point

824 Other Oils \geq 401° F End-PointMiscellaneous Products

888 Miscellaneous Products

Total

999 Total

Sample Importation File

The following sample file contains data for respondent **000000817** for the month of **June 2016**. The file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

81700000008170610	GMOVM12050	100
81700000008170610	GMOVM13050	200
81700000008170610	GMOVM15050	300
81700000008170610	GMOVM21050	400
81700000008170610	GMOVM23050	500
81700000008170610	GMOV31A050	600
81700000008170610	GMOV31B050	700
81700000008170610	GMOV31C050	800
81700000008170610	GMOVM32050	900
81700000008170610	GMOVM35050	950
81700000008170610	GMOVM51050	975
81700000008170610	GMOVM53050	975
81700000008170610	GMOV31C141	980

EIA-819 Monthly Oxygenate Report

Edit Criteria

The following are the Edit Criteria for the EIA-819.

Survey	Rule Code	Error Message
819	ADA	Address line cannot be blank.
819	ADC	City cannot be blank.
819	ADN	Company Name cannot be blank.
819	ADN	Zip cannot be blank.
819	ADS	Invalid State code.
819	ADS	State cannot be blank.

File Format

The Import Data option of the Survey Utilities Menu imports data from as ASCII (text) file to the PEDRO database for the EIA-819 survey.

<u>COLUMN</u>	<u>DESCRIPTION</u>
1-3	3-digit EIA form number: 819
4-13	10-digit respondent ID number
14-15	2-digit month code: 01-12 (06=June, etc.)
16-17	2-digit year code (09=2009, etc.)
18-19	blank
20-26	7-character cell label
27-29	3-digit product code
30-34	5-digit quantity in thousands of barrels

Cell Labels**Part 3 – Fuel Ethanol Production Capacity**

CELL LABEL	DESCRIPTION
GPRO	Nameplate Capacity
CAPA	Maximum Sustainable Capacity

Part 4 – Oxygenate Production

CELL LABEL	DESCRIPTION
PROD	Production
ESTO	End of Month Stocks

Part 5 – Denaturants Blended with Fuel Ethanol

CELL LABEL	DESCRIPTION
VOLU	Denaturant Volume Blended
ESTO	End of Month Stocks

Part 6 – Blending to Produce Finished Motor Fuel

CELL LABEL	DESCRIPTION
INPT	Input
PROD	Production

Part 7 – Refinery Storage Capacity

CELL LABEL	DESCRIPTION
RSCW	Working
RSCO	Shell In Operation
RSCI	Shell Idle
RSCT	Total Shell

Product Codes

The following **Product Code to Location Code Map** table identifies the correct format used in the import files for the EIA-819.

EIA-819 Import - Product Code to Location Code Map		
Product Code	Product Name	Location Code/Cell Label Combinations (values separated by semi-colon)
Oxygenates:		
190	Fuel Ethanol, Denatured	PROD2; ESTO2
191	Fuel Ethanol, Udenatured	PROD2; ESTO2
142	Ethyl Tertiary Butyl Ether (ETBE)	PROD2; ESTO2
144	Methyl Tertiary Butyl Ether (MTBE)	PROD2; ESTO2
445	All Other Oxygenates (Identify products in comments)	PROD2; ESTO2
PART 5. DENATURANTS BLENDED WITH FUEL ETHANOL AND DENATURANTS ENDING STOCKS (Thousand Barrels)		
220	Pentanes Plus (including Natural Gasoline)	VOLU3; ESTO3
Finished Motor Gasoline:		
127	Reformulated	VOLU3; ESTO3
130	Conventional	VOLU3; ESTO3
Motor Gasoline Blending Components:		
118	Reformulated Blendstock for Oxygenate Blending (RBOB)	VOLU3; ESTO3
139	Conventional Blendstock for Oxygenate Blending (CBOB)	VOLU3; ESTO3
117	Gasoline Treated as Blendstock (GTAB)	VOLU3; ESTO3
138	All Other Motor Gasoline Blending Components	VOLU3; ESTO3
PART 6. BLENDING TO PRODUCE FINISHED MOTOR FUEL (Thousand Barrels)		
190	Fuel Ethanol, Denatured	INPT4
191	Fuel Ethanol, Udenatured	INPT4

EIA-819 Import - Product Code to Location Code Map		
Product Code	Product Name	Location Code/Cell Label Combinations (values separated by semi-colon)
Finished Motor Gasoline:		
125	Reformulated, Blended with Fuel Ethanol	PROD4
Conventional, Blended with Fuel Ethanol:		
166	Ed55 and Lower	PROD4
149	Greater than Ed55	PROD4
130	Conventional, Other	INPT4; PROD4
Motor Gasoline Blending Components:		
118	Reformulated Blendstock for Oxygenate Blending (RBOB)	INPT4
139	Conventional Blendstock for Oxygenate Blending (CBOB)	INPT4
117	Gasoline Treated as Blendstock (GTAB)	INPT4
138	All Other Motor Gasoline Blending Components	INPT4
PART 7. REFINERY STORAGE CAPACITY (Thousand Barrels)		
141	Fuel Ethanol Production Capacity	CAPA; GPRO

Sample Importation File

The following sample file contains data for respondent **111111111** for the month of **April 2016 (0410)**. As shown, the file may contain data for multiple respondents and multiple months. The records do not need to be in any particular order as the program will sort them into the required order before importing them into the PEDRO system. For example, the last line of data could be moved to the first line and this would not change the importation.

```

81911111111110410 RSCW 1411 81911111111110410 ESTO3 13024
81911111111110410 RSCO 1412 81911111111110410 ESTO3 13825
81911111111110410 RSCI 1413 81911111111110410 ESTO3 13926
81911111111110410 RSCT 1414 81911111111110410 ESTO3 22031
81911111111110410 INPT4 1175 81911111111110410 ESTO2 44532
81911111111110410 INPT4 1186 81911111111110410 VOLU3 11733
81911111111110410 INPT4 1307 81911111111110410 VOLU3 11834
81911111111110410 INPT4 1388 81911111111110410 VOLU3 12735
81911111111110410 INPT4 1399 81911111111110410 VOLU3 13036
81911111111110410 INPT4 19010 81911111111110410 VOLU3 13837
81911111111110410 INPT4 19111 81911111111110410 VOLU3 13938
81911111111110410 PROD4 12512 81911111111110410 VOLU3 22039
81911111111110410 PROD4 13013 81911111111110410 CAPA 19040
81911111111110410 ESTO3 11822 81911111111110410 GPRO 14141
81911111111110410 ESTO3 12723

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PC Electronic Data Reporting Option (PEDRO) System User's Guide

Appendix B PEDRO Patches

PEDRO Patches

Occasionally, updates to the PC Electronic Data Reporting Option (PEDRO) software are required that are not significant enough to justify a complete recreation and mailout of the software for every user. Instead, a “patch” is developed to update and/or correct the system. A patch is a bundled file (or files) that is sent out to PEDRO users to update the system without completely replacing or reinstalling PEDRO. A list of all PEDRO patches created and distributed between February 26, 2004, and May 31, 2016, is shown below:

Date Fixed	Surveys Affected	Explanation
02/26/2004	EIA-811, EIA-182, EIA-810, EIA-814, EIA-800, EIA-815	These fixes involved the product codes and cell labels, and correcting them to the right values. The current list of import values and edits that are contained in this User's Guide's Appendix A are the correct ones.
03/15/2004	EIA-815	When a PEDRO user tried to modify existing survey data, the form cells were locked.
03/17/2004	EIA-814	Validation total quantity edit: Total quantity edit checks were referencing the wrong cells on the EIA-814 form, causing incorrect error messages to be displayed.
03/17/2004	EIA-817	Validation messages: Edit checks were referencing the wrong cells on the EIA-817 form, causing incorrect error messages to be displayed.
04/06/2004	EIA-782A	This fix was related to the wholesale and retail cells on the form. These cells were switched: wholesale was being saved to retail, and retail was being saved to wholesale.
04/06/2004	EIA-14	EIA-14 invalid PADD code value: PADD code value being created was not correct. Fixed to create the correct PADD code value.
04/07/2004	EIA-803	There was a trigger date for the EIA-805 setup which indicated to the system when EIA-805 should be made accessible for entry/maintenance to the users. This trigger did not work successfully and the users were locked out of the form.
04/08/2004	EIA-800	The definitions of the product codes 122, 123, 139, 120, 121, and 138 changed, which would allow negative entry for these product codes. PEDRO was preventing negative entries for these product codes. Fixed PEDRO to allow for negative entries for these product codes.
04/19/2004	EIA-782C	The survey form EIA-782C sometimes caused a SQLAnywhere database error when selecting a state to enter survey data for. This was fixed.
04/30/2004	EIA-810	The EIA-810 edits were not referencing the correct grid cells when evaluating the edits. All EIA-810 edits and their cell references were reviewed and corrected.

Date Fixed	Surveys Affected	Explanation
05/03/2004	EIA-801	When the respondent created a survey transmission file for transmission to API, the file contained duplicated entries for the data.
10/06/2004	EIA-816	Survey values on the EIA-816 form were being truncated and the product code had changed after the PEDRO 6.1 release.
03/01/2005	EIA-182	For some respondents, the EIA-182 survey form contained a blank form when they tried to create and enter data for the January 2005 report period. This fix did not entail script changes. What probably happened was that the initial PEDRO 6.1 installation/upgrade, performed by the respondent, did not fully complete, causing this error. The programmer has been emailing the version of this form that he has, which has corrected the problem for the respondents.
02/20/2007	EIA-782	Certain line numbers in the 782 were appearing twice, while the new 472 line wasn't appearing at all. This patch was sent out via email.
03/10/2007	PEDRO Communications	Some users were getting an error ("Application Terminated. Error accessing external object property hostname... Line 95...") when attempting to transmit via PEDRO Communications. This patch was made available on the EIA Web Site at http://www.eia.doe.gov/oil_gas/petroleum/survey_forms/pedro/pedrouers.html
02/23/2009	EIA-810 & EIA-815	Production Capacity cell labels were inconsistent.
02/27/2009	EIA-810 & EIA-815	Validation warnings and line balancing and subtotaling were not working correctly. Also, the column auto-totaling in the EIA-810 wasn't working.
03/31/2009	EIA-800 & EIA-805	Production Codes 001 and 003 were left off of the form.