



Introduction to Inputs

The Inputs section of EMFACT enables users to track the materials and costs that go into a piece of equipment or production unit.

This guide contains the following sections. Click on the title to advance to that section.

Section 1. Entering Materials Purchased

This section outlines the steps for entering material purchase data into EMFACT, both electronically (using the automatic import feature) or manually (data entry). Once purchase data is entered, EMFACT converts it to pounds for reporting purposes. There are also steps on how to troubleshoot data that did not convert properly.

Section 2. Entering Materials Used

This section defines the process for documenting the amount of material used at a piece of equipment or production unit. This includes water, material with air emissions (i.e., stack, paint, fuelburn), and material without air emissions (i.e. other chemical usage).

Updated: 1/13/09



1. Materials Purchased

This section contains the following:

- 1. Preparing Electronic Purchase Data File
- 2. Importing/Converting Purchase Data (Electronically)
- 3. Repairing Bypassed Records
- 4. Reviewing Imported/Converted Data
- 5. Repairing Data that Failed to Convert
- 6. Entering Purchase Data Manually

Please review the Quick Start Guide section before starting.

Note: A Cue Card is not available for Inputs (Purchases). Instead, windows are accessed directly from the Inputs option on the main menu, as well as the Inputs buttons on the EMFACT Dashboard window.

Updated: 1/13/09

1 Preparing Electronic Purchase Data File

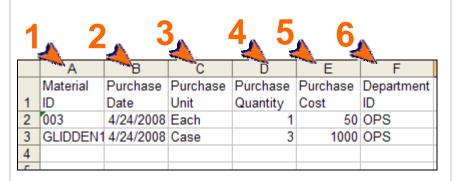
A file to collect electronic materials purchased data is provided. It is called:

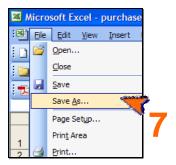
c:\program files\SYS Technologies\ EMFACT\purchase_import_template.xls

Prior to using the Import feature, obtain electronic data from purchasing and put it in the spreadsheet listed above and save to a new name in a new folder.

Complete each column as follows:

- 1 > Column A: Enter the Material ID for the purchase. Material IDs must be set up in EMFACT or the entry will be bypassed.
- 2 > Column B: Enter the Purchase Date of the purchase. The format is mm/dd/yyyy.
- 3 > Column C: Enter the Purchase Unit. This is the Size Purchase Unit established for the Material ID (Container tab on the Material Detail window) in EMFACT (e.g., bucket, drum, etc.
- 4 > Column D: Enter the Purchase Quantity. This is the number of the Material ID units that were purchased.
- 5 > Column E: Enter the Purchase Cost. This the total cost of the line item (not unit cost). Enter 0 (zero) if this is not known or is not being tracked.
- 6 > Column F: Enter the Department ID. Department IDs must be set up in EMFACT. Enter one blank space if not known.
- 7 > Once the file is complete, select File > Save As to save the file to a Tab-delimited text file (filename.TXT).
- 8 > If a Microsoft Excel popup displays, click Yes.







2 Import Purchase Data File Electronically

Electronic materials purchased data can be automatically imported into EMFACT when it is put into the EMFACT template.

- 1 > Click on the Purchases button () on the EMFACT Dashboard.
- 2 > Choose Purchasing from the Data Source dropdown. Refer to the Module 1 of the User Guide (Set Up Admin, Editing Standard Drop Down Lists) for instructions on how to create additional company specific data sources for future use.
- 3 > Click Load Purchase Data. The Material Purchase File Format Verification popup will open. .
- 4 > Click **OK**. The **Select Import File** window will open.
- 5 > Navigate to and click on the TXT file saved from Step 1 of this procedure.
- 6 > Click Open. The Material Purchase load process is completed popup will display and a .log file is created on your C drive.

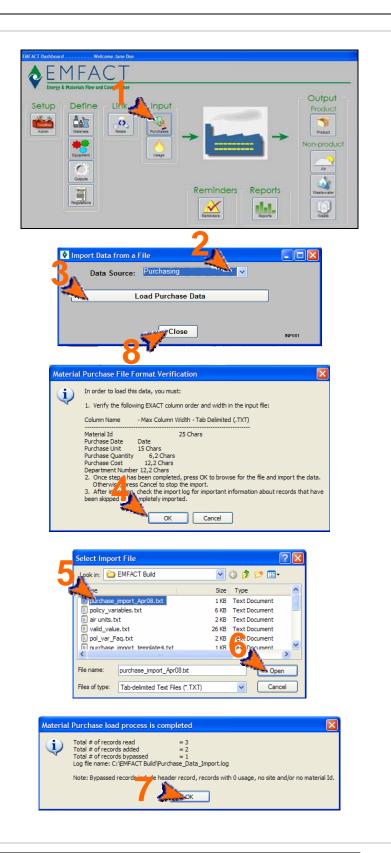
Note: Review the popup information to determine the status of the import, including the number of records read, added and bypassed. Make a note of the .log file's location, as you will need to access this file to fix any bypassed records.

In this example, one record was bypassed (the header record) and the two records were processed.

- 7 > Click OK.
- 8 > Click Close on the Import Data from a File popup.

Proceed to the next step if any usage records were bypassed.* Otherwise, proceed to Step 5.

Note: EMFACT attempts to load every line in the usage file, including the header (column names). Therefore, if the import file contains a header, it will count as one bypassed record.

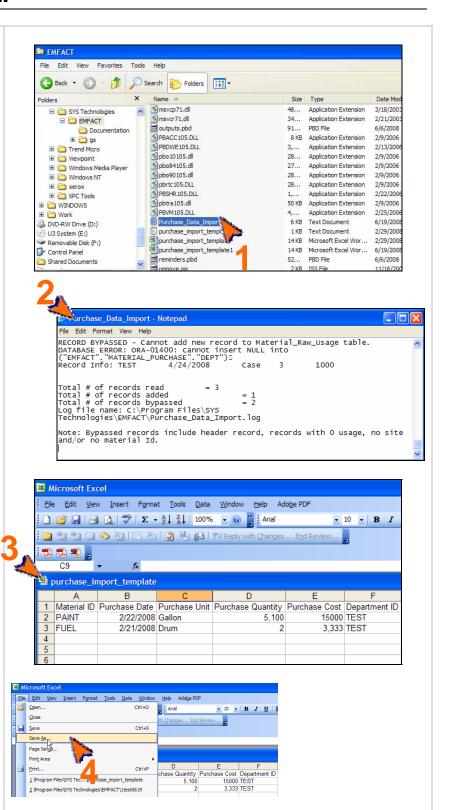


Repairing Bypassed Records (as needed)

A .log file is created each time the usage data is loaded into EMFACT. In the last step, you were instructed to make a note of the file's path. These files are stored in the same location each time.

- Navigate to the directory containing the .log file and double-click on the file. The file will open in Microsoft Notepad.
- 2 > Review the file to determine which records failed and why.
- 3 > Open the original import file and locate the record(s) that were bypassed. Correct the errors.
- 3 > Delete all other records so that the only records remaining in the import file are the ones that were bypassed and now fixed. Then select File > Save As from the main menu; and save the file with a new name.

Go back to Step 2 and reload the new file.



4 Reviewing Imported/Converted Data

It is recommended that after importing data from a file, that the imported data is reviewed to make sure the data has imported as expected.

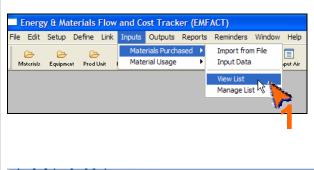
The conversion from original container size to Lbs. can be reviewed. The container size conversion takes the size quantity established during material setup multiplied by the purchase qty.

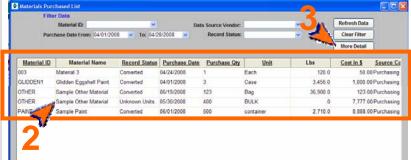
The result will be in the size unit. If the size unit is gallons, then the result is multiplied again by density to arrive at the Purchase Lbs.

- 1 > Select Inputs > Materials Purchased > View List from the main menu. The Material Purchased List will open and display data for the last 30 days...
- 2 > Review the imported/converted purchase data.

Note: Complete the fields in the **Filter Data** section in any combination to review more data; then click **Refresh Data** to display the data that meets the new filter criteria.

3 > Optional: Click More Detail to view and make changes to the materials purchased data. The Manage Materials Purchased window will open (see next step).

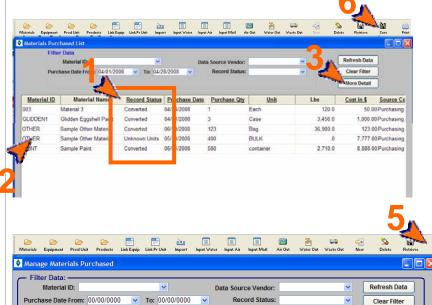






convert. Purchase data records that did not convert properly will display something other than **Converted** in the **Record Status** field. On the **Materials Purchased List** window:

- 1 > Search the Record Status column for records that are not Converted. Below are possible values:
 - Unknown Material The Material ID does not exist in EMFACT and must be added on the Material List window. *
 - Unknown Units The Size
 Purchase Unit established for the
 Material ID (Container tab on the
 Material Detail window) does not
 match the one on the import file.
 Go to 2 > below.
 - Unknown Density The Density on the Material List window is 0 and therefore, the purchase quantity cannot be converted to pounds. *
- 2 > If the Record Status is Unknown Units, click on the row containing the unconverted entry (the row will not highlight).
- 3 > Click More Detail. The Manage Materials Purchased window opens and displays the details of the purchase.
- 4 > Make a selection from the Units dropdown. This dropdown, is populated by information added on the Material Detail window, Container tab.
- 5 > Click **Save** and close the window.
- 6 > Click Retrieve on the Materials Purchased List window The Record Status will change to Converted (not shown).
- * Refer to the User Guide (Module 2: Define Master Data) for instructions on adding materials.



Cost: \$7,777.00

Status: Converted

Unit Cost: \$19.44

.000.00 Lbs. Updated: 6/19/2008

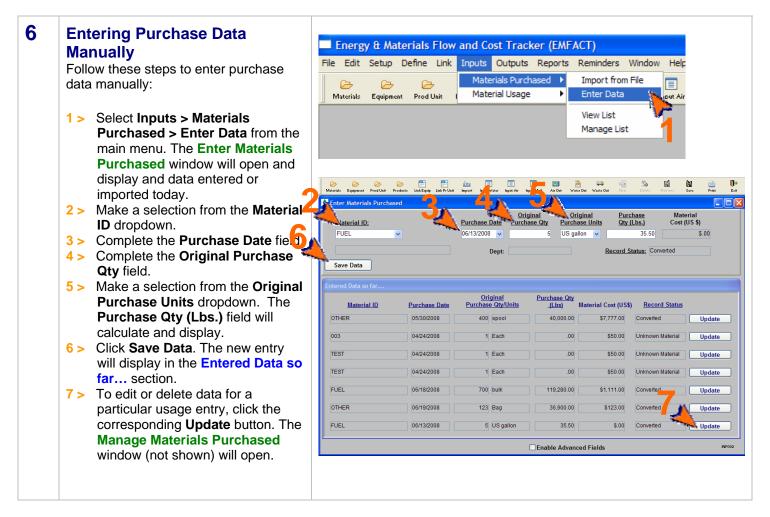
Record Number: 10

Material ID: OTHER

Date: 05/30/2008 Qty: 400

Department: Sample Department

Source Code: Purchasing



<end of section>



2. Materials Used

This section contains the following:

- 1. Accessing the Material Usage Cue Card (optional)
- 2. Enter Water Usage
- 3. Manage Water Usage Details
- 4. Enter Material Usage with Air Emissions
- 5. Manage Air Emissions Details
- 6. Enter Other Material Usage (Without Air Emissions)
- 7. Manage Material Usage Details
- 8. View Material Usage List

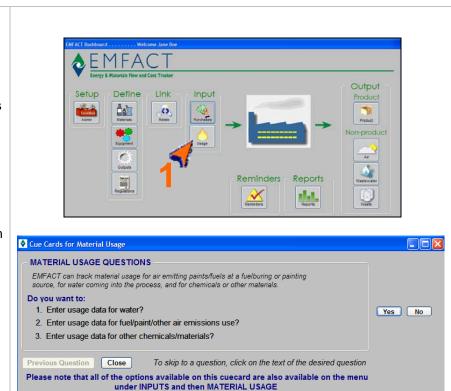
Please review the Quick Start Guide section before starting.

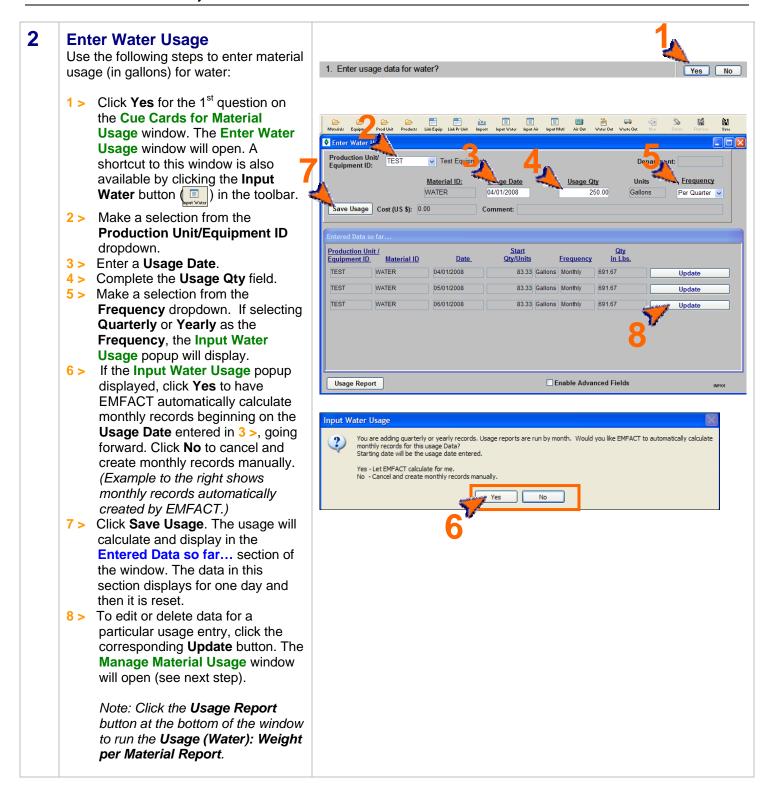
1 Optional: Accessing the Material Usage Cue Card

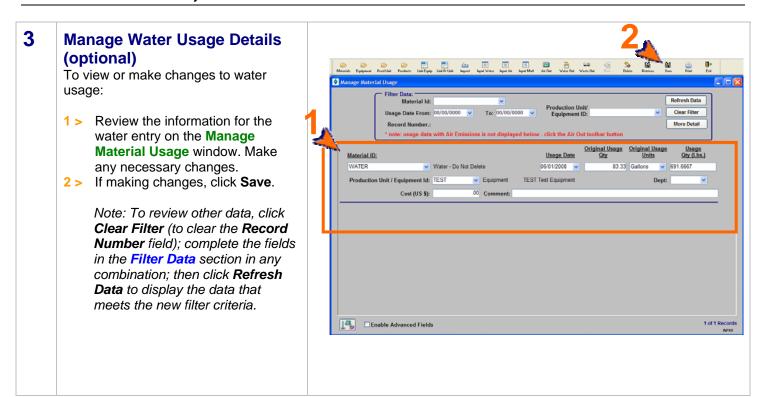
Using the Cue Card is optional, since every window available through the Material Usage Cue Card is also accessed from the main menu (Inputs > Material Usage), and sometimes through shortcut buttons on the toolbar.

To access the cue card for entering material usage:

1 > Click the Usage button () on the EMFACT Dashboard. The Cue Cards for Material Usage window will open.





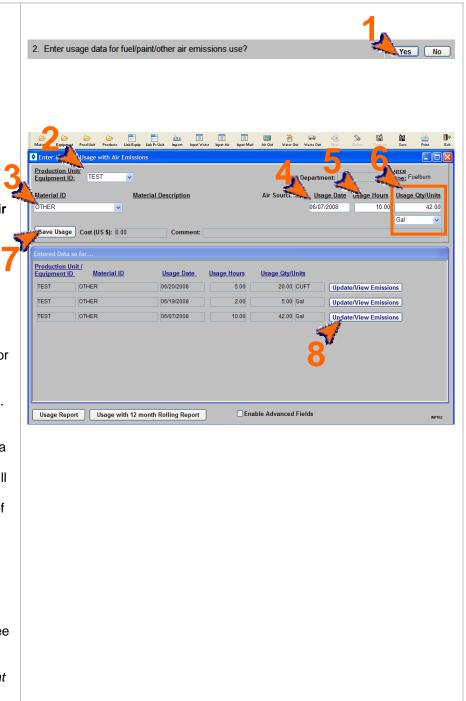


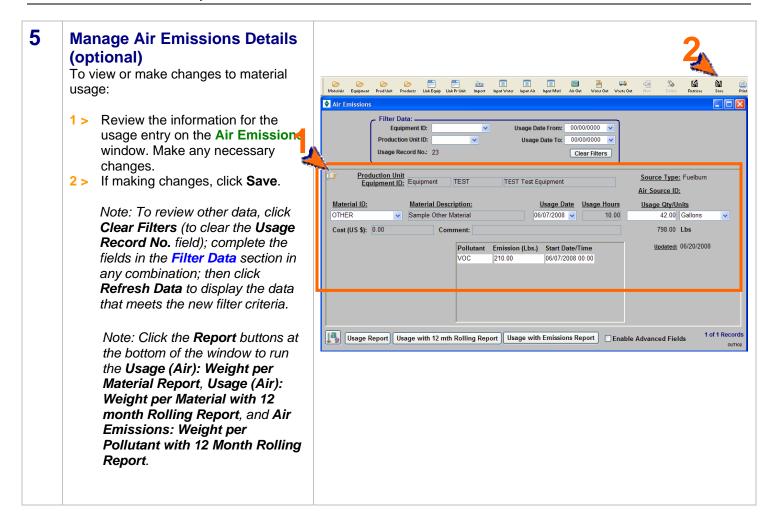
4 Enter Material Usage with Air Emissions

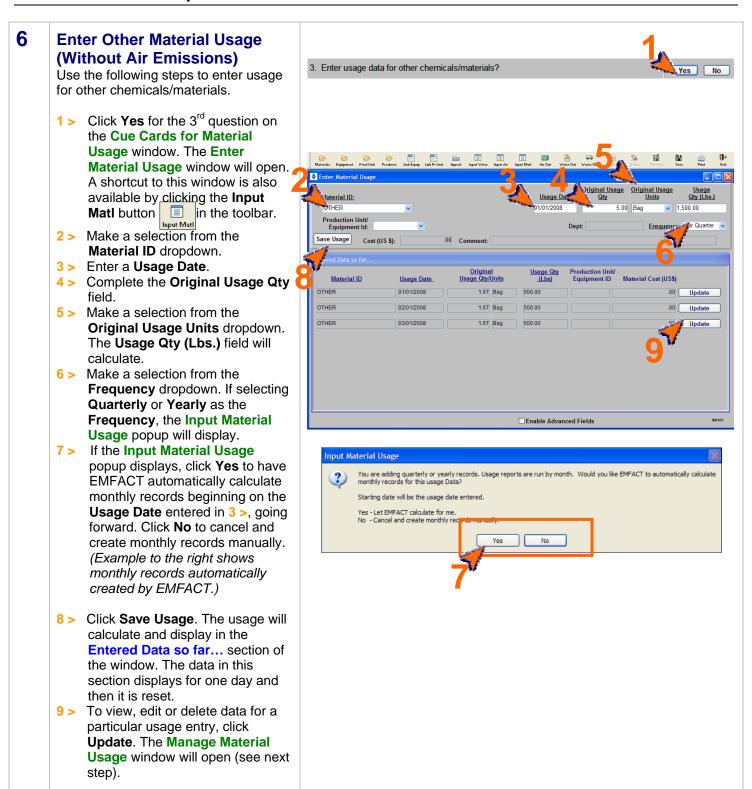
Use the following steps to enter material usage for stack, paint/spray and fuelburn usage.

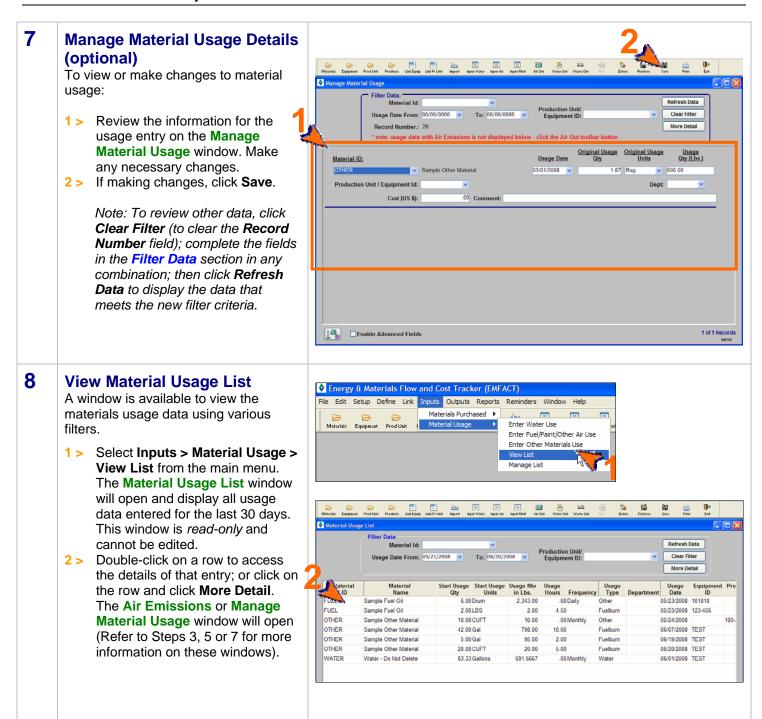
- 1 > Click Yes for the 2nd question on the Cue Cards for Material Usage window. The Enter Material Usage with Air Emissions window will open. A shortcut to this window is also available by clicking the Input Air button in the toolbar.
- 2 > Make a selection from the Production Unit/Equipment ID dropdown.
- 3 > Make a selection from the Material ID dropdown. This dropdown is populated with materials set up on the Air Factors tab of the Equipment (or Prod Unit) Links window.
- 4 > Enter a Usage Date.
- 5 > Complete the **Usage Hours** field. This is required for fuelburn; otherwise it is optional).
- 6 > Enter the **Usage Qty** and select a **Unit** from the dropdown.
- 7 > Click Save Usage. The usage will calculate and display in the Entered Data so far... section of the window. The data in this section displays for one day and then it is reset.
- 8 > To view, edit or delete data for a particular usage entry, click the corresponding Update/View Emissions button. The Air Emissions window will open (see next step).

Note: Click the Report buttons at the bottom of the window to run the Usage (Air): Weight per Material Report and the Usage (Air): Weight per Material with 12 month Rolling Report.









<end of section>