

*Flow\_Trak 3.0*

**Volume 4**

**Batch Processing**

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# Batch

The batch button allows the operator to initiate and monitor batch activity. Depending on a configuration of the system, batch information may be presented by individual meter or by groups.



**Figure 1**  
Batch Selection Menu

# Batch Setup

Batch Setup have several presentations, depending on the system configuration. If batches are automatic either on a 24 hour basis or based on flow/no flow conditions, then this option appears dimmed and cannot be accessed. If batches are under the control of the operator, then a display will be presented based on the batch configuration, see configuration section. With operator control, batch number may be automatic or manual. After entry of the required data, clicking the apply button will record the data and set the batch status to “Batch Setup”. This data may be changed as long as the status is “Batch Setup”

The following are the four displays associated with the batch setup based on the batch configuration selections.

The screenshot shows a software window titled "Loading by Meter". It contains several input fields and buttons. On the left, there is a "Batch Select" dropdown menu with "FT-1000" selected. Below it is a "Batch Status" text box containing the word "Setup". At the bottom left are three buttons: "New Batch", "Apply", and "Exit". On the right side, there are four input fields: "Batch #", "Start", "Stop", and "Rate".

**Figure 2**  
Manual Pipeline Batch by Meter

The screenshot shows a software window titled "Loading by Group". It contains several input fields and buttons. On the left, there is a "Batch Select" dropdown menu with "Skid One" selected. Below it is a "Batch Volume" text box with "BBL" next to it. Below that is a "Batch Status" text box containing the word "Setup". At the bottom left are three buttons: "New Batch", "Apply", and "Exit". On the right side, there are four input fields: "Batch #", "Start", "Stop", and "Rate".

**Figure 3**  
Manual Ship Loading by Meter

**Loading by Group**

Batch Select  Batch #

Batch Volume  BBL Start

Batch Status  Stop

Rate

**Figure 5**  
Manual Pipeline Batch by Skid

**Ship Loading by Group**

Batch Select  Batch #

Ship Name  Start

Country  Stop

Destination

Batch Volume  BBL  Start Up

Batch Status   Loading

Top Off

**Figure 4**  
Manual Ship Loading by Skid

# Batch Status

This selection provides a display similar to the current conditions display, but contains some additional batch information. Depending on the configuration for batching by individual meters for groups, the operator may have to select which group is desired for the display. There are no active commands that can be entered in this display.

The screenshot shows a software window titled "Berth 6 Batch Status". At the top, there are two input fields: "Batch" with the value "001577" and "Start Time" with the value "06-08-2003 05:59:00". Below these is a table with the following columns: "Meter", "Temperature degF", "Pressure psi", "Ind. Volume BBL", "Gross Volume BBL", and "Mass Itons". The table contains two rows of data: "Berth6-B" and "Berth6-D", both showing 0.0 for temperature and pressure, and 0 for volume and mass. Below the table, there are three "Total" input fields, each containing the value "0". Further down, there are two more input fields: "Batch Volume" containing "0 BBL" and "Batch Status" containing "Terminated". An "Exit" button is located at the bottom right of the window.

Meter	Temperature degF	Pressure psi	Ind. Volume BBL	Gross Volume BBL	Mass Itons
Berth6-B	0.0	0.0	0	0	0
Berth6-D	0.0	0.0	0	0	0

Total

Batch Volume  BBL

Batch Status

**Figure 6**  
Batch Status by Meter

**Skid Eight Batch Status**

Batch  Start Time

Meter	Temperature degF	Pressure psi	Net Volume BBL	Energy BTU	Ind. Volume BBL
FT-8000	0.0	0.0	0	0	0
FT-8001	0.0	0.0	0	0	0
FT-8002	0.0	0.0	0	0	0
FT-8003	0.0	0.0	0	0	0
FT-8004	0.0	0.0	0	0	0

Total

Ship Name  Batch Volume  BBL

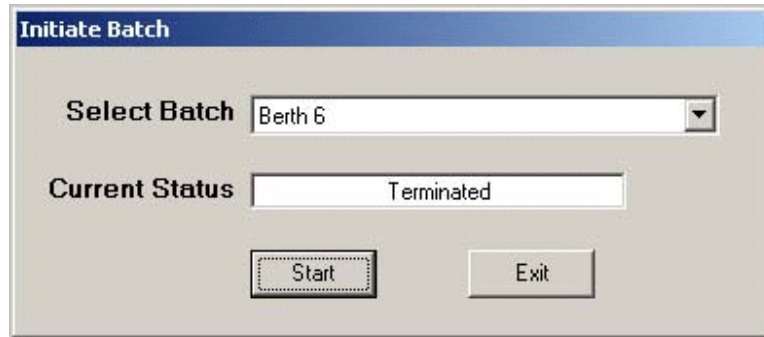
Country  Batch Status

Destination

**Figure 7**  
Batch Status Ship Loading by Skid

## Batch Initiate

This selection allow the operator to initiate the start of the batch, if batches are not automatic. Either a selection of meter or group if required. Once this selection has been made, the operator can simply click apply, and the batch status will be changed from “Batch Setup” to “Batch Initiated” followed by “In Progress”.once all parameters have been initiated.

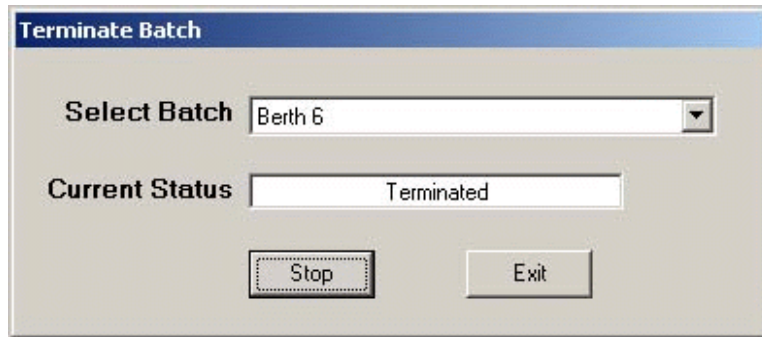


The image shows a software dialog box titled "Initiate Batch". It features a "Select Batch" dropdown menu with "Berth 6" selected. Below this is a "Current Status" text box displaying "Terminated". At the bottom of the dialog are two buttons: "Start" and "Exit".

**Figure 8**  
Batch Initiate Display

## Batch Terminate

When a batch is ready for completion, selection of the Batch Terminate function will allow the operator to end the batch. As with the Batch Initiate, the operator will select either the specific meter or groups desired for termination. Clicking the apply button issues the command to the system to terminate the batch.



The image shows a software dialog box titled "Terminate Batch". It features a "Select Batch" dropdown menu with "Berth 6" selected. Below this is a "Current Status" text box displaying "Terminated". At the bottom of the dialog, there are two buttons: "Stop" and "Exit".

**Figure 9**  
Batch Termination Display



## Batch Suspend

When it is necessary to stop a batch, but not reset the batch total, the batch suspend command may be used. This command will either close the inlet and outlet valves to cease flow through the meter runs. If the meter runs have flow control valves that are sealing, configured in the meter setup displays, then the system will command the valves to a zero output. Clicking the apply button issues the command to the system to suspend the batch.



The image shows a software dialog box titled "Suspend Batch". It features a blue title bar. Below the title bar, there is a label "Select Batch" followed by a dropdown menu showing "Skid One". Underneath is a label "Current Status" followed by an empty text input field. At the bottom of the dialog, there are two buttons: "Suspend" and "Exit".

**Figure 10**  
Batch Suspend Display

## Batch Resume

After suspending a batch, it is restarted by issuing the batch resume command, the batch will resume flow and continue from where it was suspended for all totals. If the valves were closed, then they will open again, or if the flow control valves were utilized to suspend flow, a new set point will be given to resume flow. Clicking the apply button issues the command to the system to resume the batch.



The image shows a software dialog box titled "Resume Batch". It features a "Select Batch" dropdown menu with "Skid One" selected. Below this is a "Current Status" text box. At the bottom of the dialog are two buttons: "Resume" and "Exit".

**Figure 11**  
Batch Resume Display