Survey Viewer

The Survey Viewer provides the opportunity to review data from the field computer prior to importing into PCS. Using the Survey Viewer, you can screen survey results for potential misreadings and correct the errors prior to adding the data to PCS.

To load data from the field computer into the Survey Viewer, refer to *Accessing Data from the Field Computer*.

Once data is loaded in the Survey Viewer, the survey settings, inspection readings, and maintenance records can be reviewed. You can then resurvey the data as necessary.

For more information, refer to the following topics:

- *Viewing Survey Settings*
- *Reviewing Data (page 3)*
- *Importing Data into PCS (page 8)*

Accessing Data from the Field Computer

To view field computer data in the Survey Viewer, import data directly from a field computer or open a data file that had been previously retrieved from a field computer. Field computer data files must consist of a VLS (.vls) file and DAT (.dat) file. To view survey settings, a Header (.hdr) file should be included with the DAT and VLS files.

Do one of the following to view field computer data in the Survey Viewer:

- To import data directly from a field computer, connect the field computer to your computer and click Import.
- To open data from a file, click Open and navigate to the folder containing the field computer data. Select the DAT file (.dat) and click **Open**.

The data from the field computer opens in the Survey Viewer, showing the inspections from the field computer in the Inspections tab.

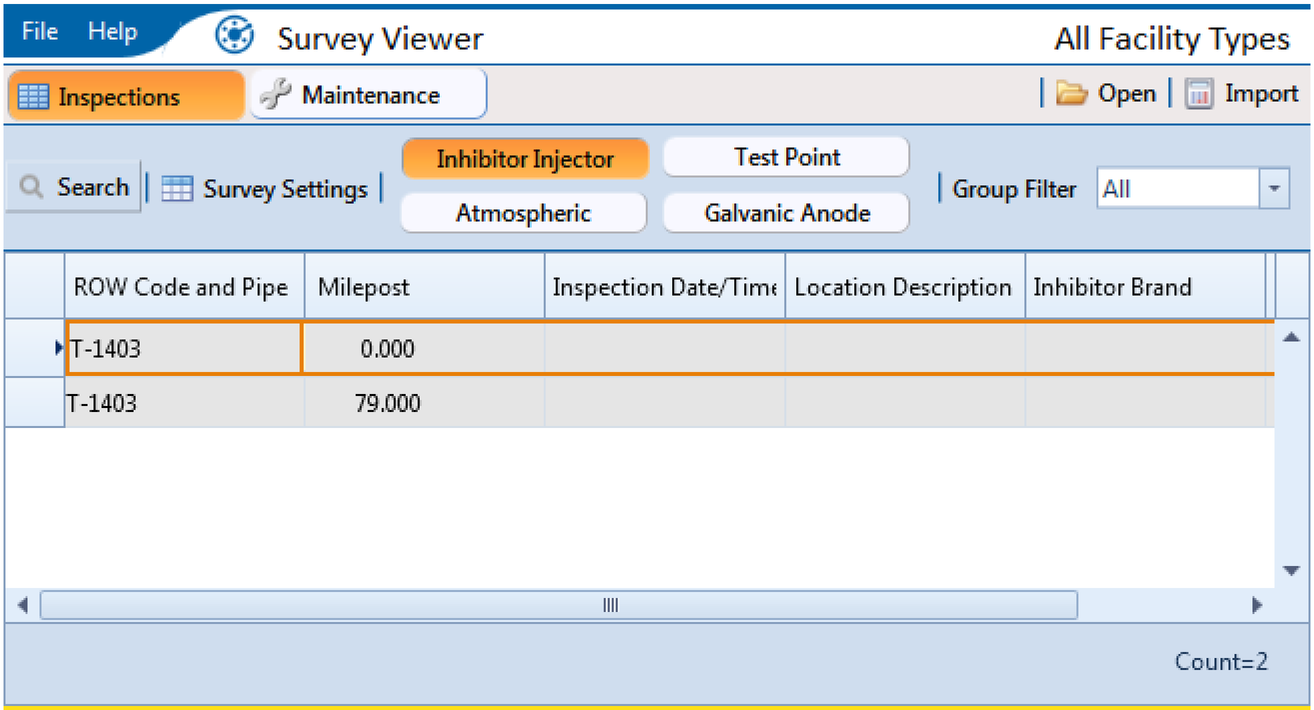

Figure SV-1. Field Computer Data in the Survey Viewer

Viewing Survey Settings

The settings that were applied in the field computer when the surveys were performed can be viewed in the Survey Viewer. To view the survey settings, click Survey Settings. The Survey Settings window opens, listing the settings that applied to the current field computer data.

Not all field computer data files contain survey settings. If a Header (.hdr) file did not accompany the field computer files, the survey settings will not be available.

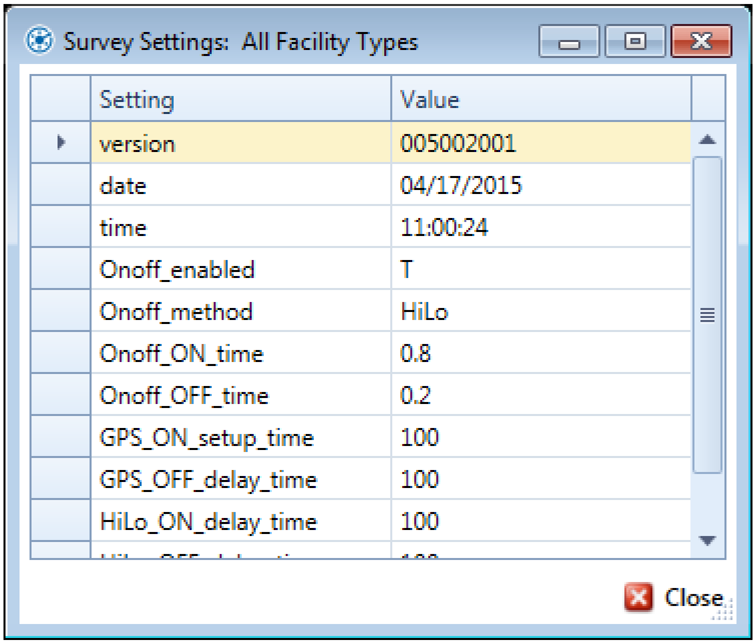

Figure SV-2. Survey Settings

Reviewing Data

The Survey Viewer displays inspection readings and maintenance records from the currently loaded field computer data. If data in the Survey Viewer is missing or contains values that need to be verified, you can choose to re-survey the data using the field computer and import the re-surveyed data into PCS.

Both the inspection readings and maintenance record data are further categorized by facility type and can be filtered by survey status. Any changes to the display of the data grid, such as adding filters or changing column widths, are lost when a new set of field computer data is loaded.

To view inspection readings, click Inspections. A grid displaying the inspection readings for the currently selected facility type appears under the Facility Type buttons. Click on the desired Facility Type button to show the inspection readings for that facility type. The selected Facility Type button turns orange and the grid updates to display that facility type's inspection readings.

To view maintenance records, click Maintenance. A grid displaying the maintenance records for the currently selected facility type appears under the Facility Type buttons. Click on the desired Facility Type button to show the records for that facility type. The selected Facility Type button turns orange and the grid updates to display that facility type's maintenance records.

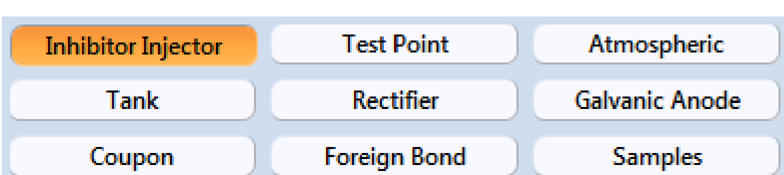

Figure SV-3. Facility Type Buttons

If the maintenance records are located on multiple pages, the available pages will display as buttons on the left.

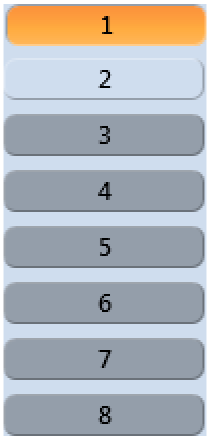

Figure SV-4. List of Maintenance Pages

The list of maintenance page buttons is limited to eight pages. Disabled buttons are unused page placeholders, while the current page is indicated by an orange button and the remaining buttons are for additional configured pages. Click on the appropriate button to advance to the desired page.

Find an Individual Record

The display of the inspection and maintenance data can be manipulated to enable you to efficiently find the information that you need. You can filter data so only a subset of information is displayed or search for a record that contains a specific value.

Search for Data

To search for data that contains a specific search term, do the following:

1. Click Search. The search pane appears above the data grid.
2. Enter some text in the **Search** field. The data grid updates to display only the records that contain the entered text.

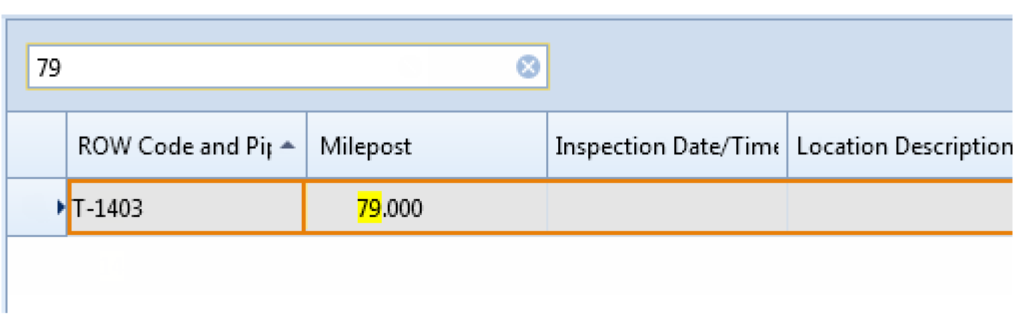

Figure SV-5. Survey Viewer Search

To clear the search and return all records to the data grid, select the text from the Search field and press **Delete** on the keyboard or click .

To close the Search Panel, click Search.

Filter Data

You can filter the data that displays in the Survey Viewer to show only a subset of data based on the values displayed in the data grid or whether or not there is a survey or warnings in the record.

Filter by Surveyed Status

To filter the data based on the surveyed status, select an option from the **Group Filter** dropdown. The data grid updates to display only items that match the selected criteria.

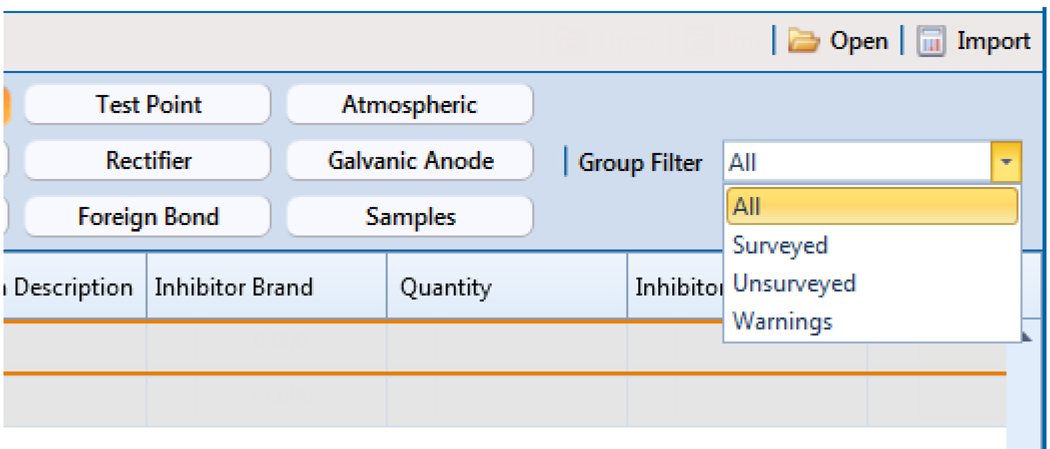

Figure SV-6. Survey Viewer Filter Options

Filter by Column Values

To filter the data based on the values in a column, hover the mouse over a column until the filter icon appears. Click and select a value from the menu that appears.

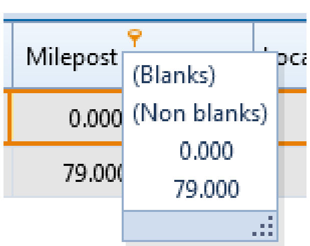

Figure SV-7. Column Filter

The data grid updates to display only the rows that contain the selected value.

To clear the column filter, click again and select **(All)**.

Filter with an Advanced Data Filter

To filter the data based on an advanced filter, right-click on a column in the grid heading and select **Filter Editor**. The *Filter Editor* window opens.

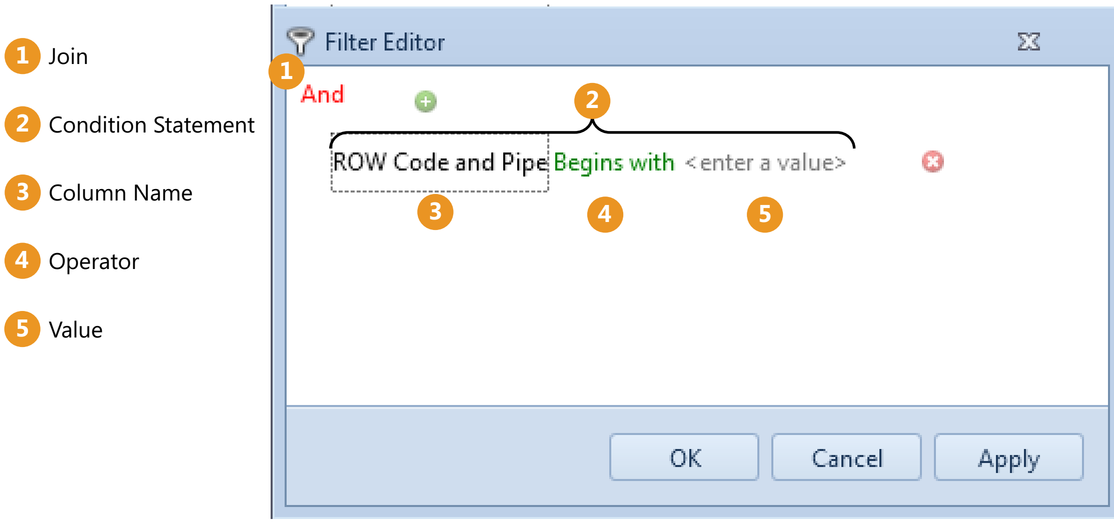

Figure SV-8. Filter Editor

To create an advanced filter in the *Filter Editor*, do the following:

1 *Determine the Join Type* — The join determines how the condition statements are combined to return data in the data grid. Click the **join** and select one of the following join types:

- And — Returns only the rows in the data grid that match *all* condition statements below the join.
- Or — Returns the rows in the data grid that match *any* condition statement below the join.
- NotAnd — Hides rows from the data grid that match *all* condition statements below the join.
- NotOr — Hides the rows from the data grid that match *any* condition statement below the join.

2 **OPTIONAL** *Add New Condition Statements* — Click next to the join, press the **Insert** or **+ (plus)** key on the keyboard, or right-click the **join** and select **Add Condition**. A new condition statement is added at the bottom of the group of condition statements.

3 *Modify the Condition Statements* — To build the condition statement that helps determine the rows that should be displayed in the data grid, change the column name, operator, and value. Do the following:

a Click the black column name and select a new column name from the dropdown.

b Click the green operator and select a new operator from the dropdown.

c Click the **Value** field and enter a value in the text field or select an existing value from the dropdown.

4 **OPTIONAL** *Create Group of Statements* — Groups of condition statements can be added, allowing a subset of condition statements to be combined using a join type that is different from the join types in the filter. To create a new group, right-click the **join** and select **Add Group**. Once the group is added, the join type can be determined and condition statements can be added and modified.

5 **OPTIONAL** *Remove Statements or Groups* — If statements or groups are no longer needed, click next to the condition or group to be removed. To remove the last statement or group in the filter, press the **Delete** or **- (minus)** key on the keyboard.

6 Repeat any of these steps as needed. When the desired filter is reached, click Apply.

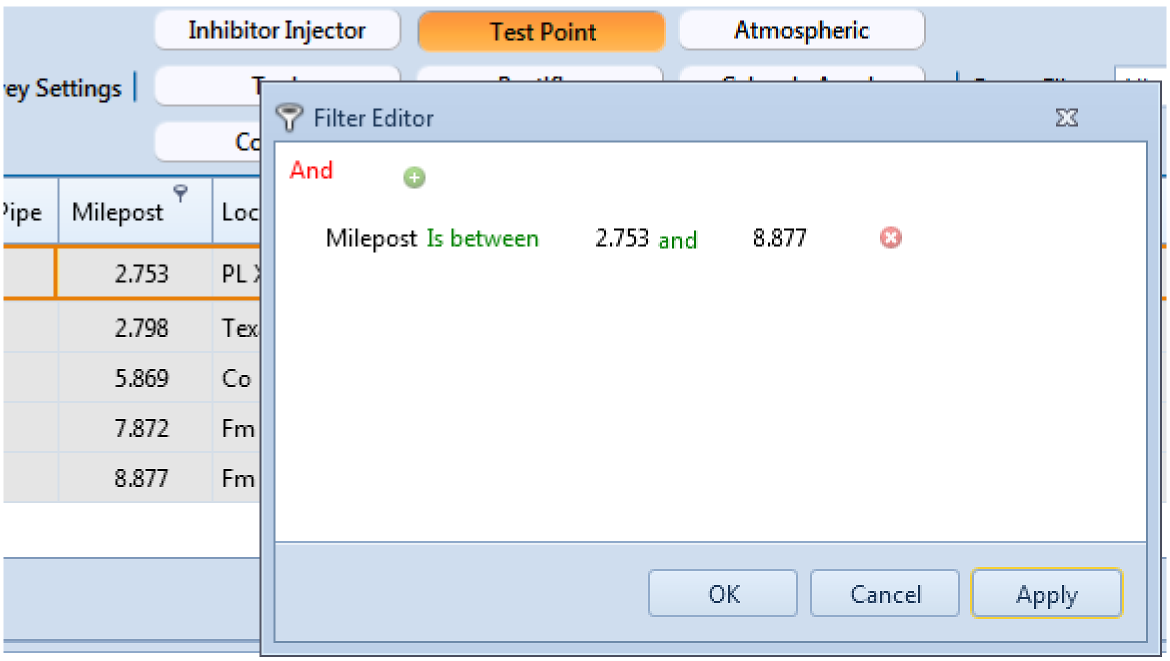

Figure SV-9. Filtered Results

7 Verify the results that appear in the data grid are as expected and click OK to close the *Filter Editor*.

The data grid updates to display only the rows that match the filtered expression.

To clear the filters from the *Filter Editor*, right-click on a column in the grid heading and select **Clear Filter**. The data grid updates to show all rows that had previously been hidden as a result of the *Filter Editor*.

Sort Data

Rows in the data grid can be sorted by any of the available columns. To sort the data by a column, click to select a column in the grid heading. The information in the data grid displays in ascending order according to the data in the selected column. To change the sort order to descending, click the column in the grid heading a second time.

Modify Survey Viewer Columns

Rearranging and resizing columns in the Survey Viewer is easily accomplished by dragging and dropping the columns or column borders. Making modifications such as these to the Survey Viewer display allows you to customize the view of the data to your needs.

To rearrange a grid column:

- Drag and drop a selected column to a new position in the Survey Viewer grid.

To resize a grid column:

- Place the mouse over a column boundary to change the cursor to a horizontal resize cursor . Then click and drag the column boundary to resize the grid column.

To resize a grid column to the width of the contents:

- Right-click on the desired column in the grid heading and select **Best Fit**. The selected column resizes to fit the column’s contents.

To resize all grid columns to the width of their contents:

- Right-click on any column in the grid heading and select **Best Fit (all columns)**. All columns in the grid resize to fit its contents.

Importing Data into PCS

After all surveys have been completed, the data can be imported into PCS. To import the data into PCS, open PCS and select **Field Computer > Receive**, then follow the instructions to Receive Facility Data from a Folder. For more information about importing data into PCS, refer to *Receiving a Facility Survey from a Field Computer* in the PCS User Guide.