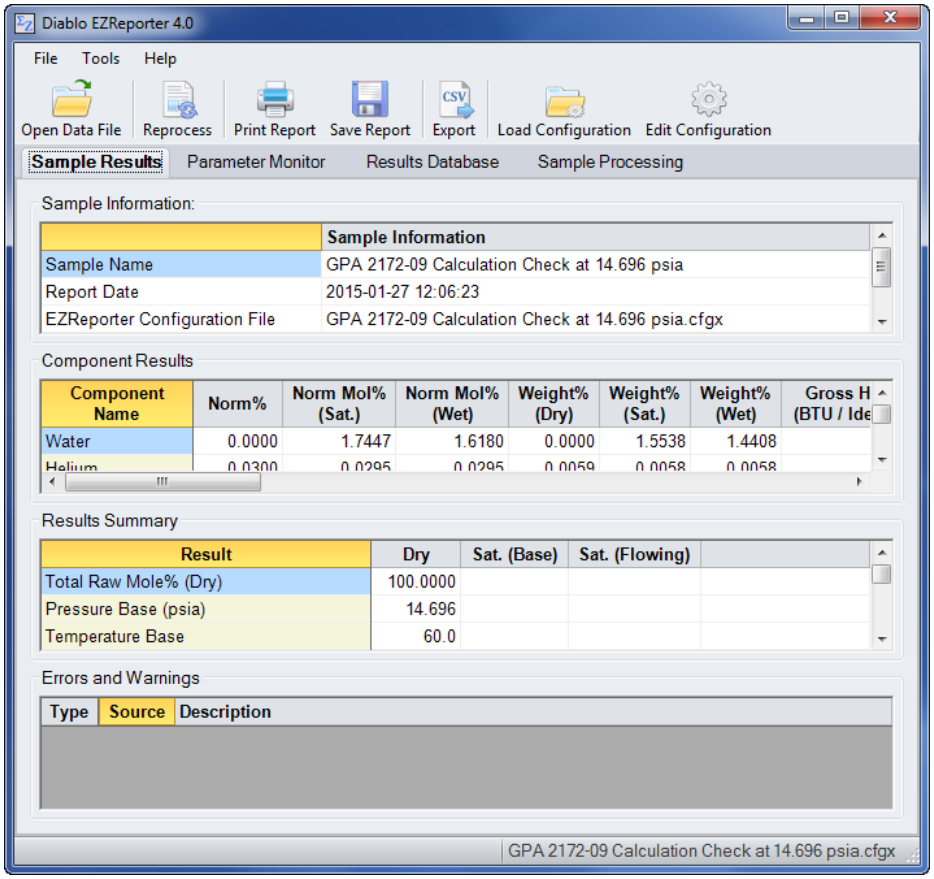
Diablo EZReporter 4.0

ABB PCCU Connector Plugin



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Diablo Analytical EZReporter Software

EZReporter 4.0 ABB PCCU Connector Plugin

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ABB PCCU Connector Plugin

Getting Started

This document describes how to configure the ABB TotalFlow PCCU data system and the EZReporter 4.0 ABB PCCU Connector Plugin so that results can be processed automatically at the end of each run.

Configure ABB PCCU Software

The Diablo EZReporter software supports automated processing of calibrated peak results generated by the ABB TotalFlow PCCU7 software.

Note: If the EZReporter installation program detects the presence of the ABB PCCU 7 software on the computer, it will automatically copy the required batch file, "ezxcopy.bat" to the folder, \PCCU7\spreadsh\. If the ABB PCCU software is not detected, then the macro will be installed to the EZReporter installation folder and it will need to be copied manually to the \PCCU7\spreadsh\ folder once the ABB PCCU software is installed.

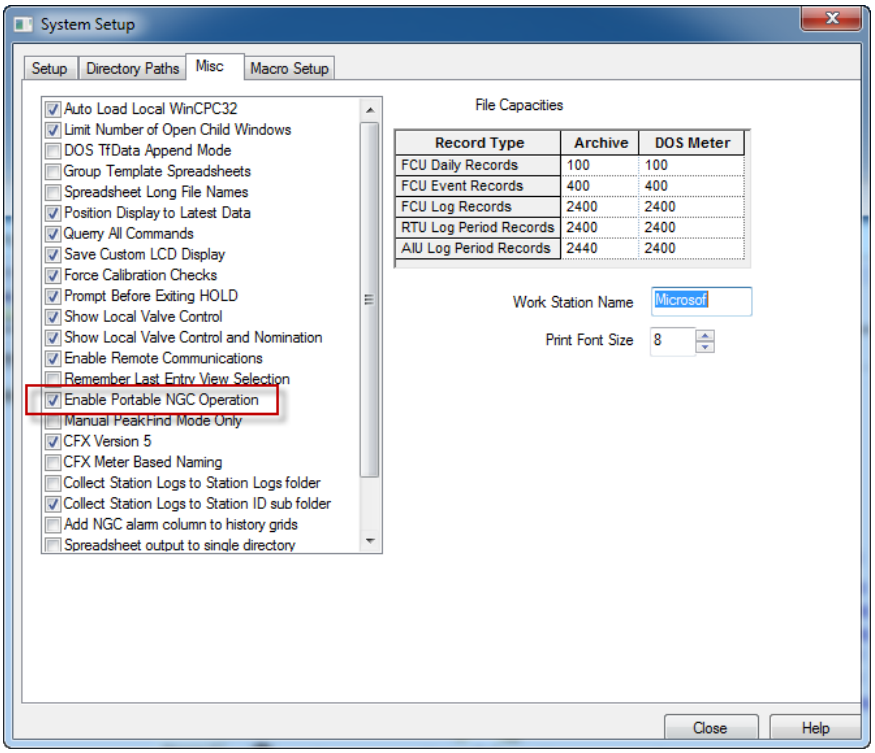
Important: Recent versions of PCCU 7 are installed to the folder, "C:\Program Files\ABB Totalflow\PCCU7" rather than "C:\PCCU7\". If this is the case, then it may be necessary to change the permissions on the "spreadsh" folder and "ezxcopy.bat" file so that the logged in user has Full Control (Modify, Read & Execute, Read, Write, etc.). Check with your local IT support, since local security policies may dictate which user and permissions need to be changed.

Important: In order for EZReporter to retrieve the component results correctly, you must make sure that the component names in the EZReporter component settings table match the compound names reported by PCCU in the file, "\PCCU7\spreadsh\ezrpt.txt", which is generated by PCCU7 at the end of each run. These names may be different than what are reported in other PCCU7 reports.

System Setup

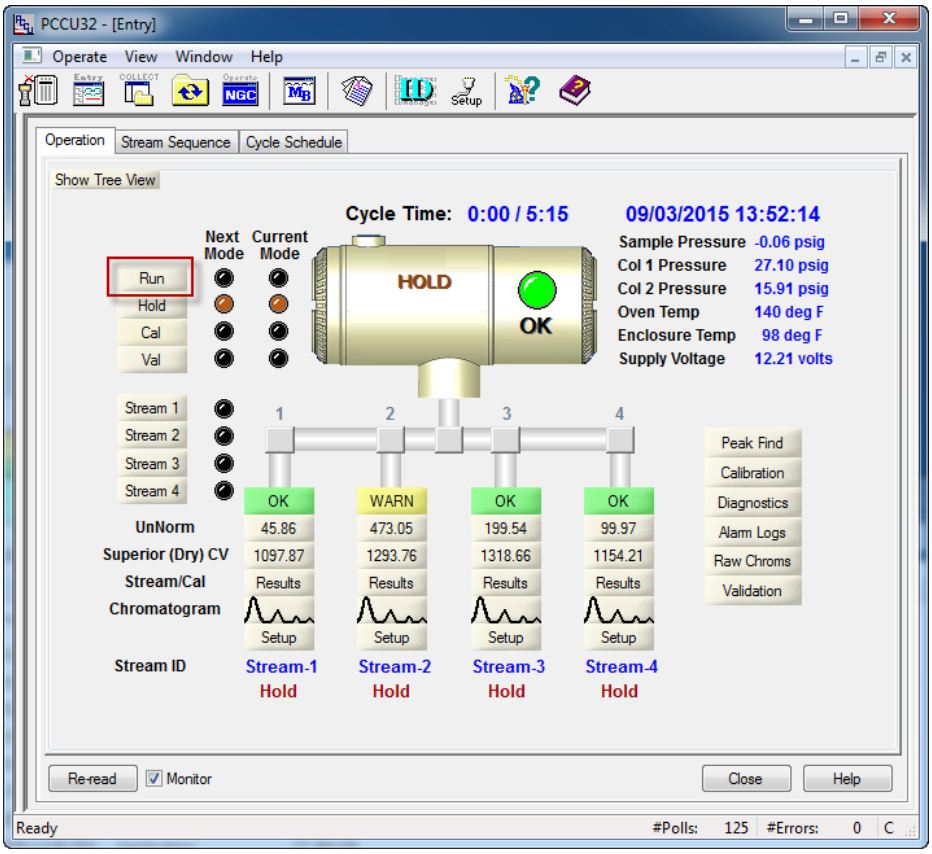
To enable the ABB TotalFlow PCCU software to send results to EZReporter, you must first enable portable NGC operation.

1. Click the PCCU "Setup" toolbar button and switch to the "Misc" tab.
2. Scroll down and check the option, "Enable Portable NGC Operation"
3. Restart the PCCU Software

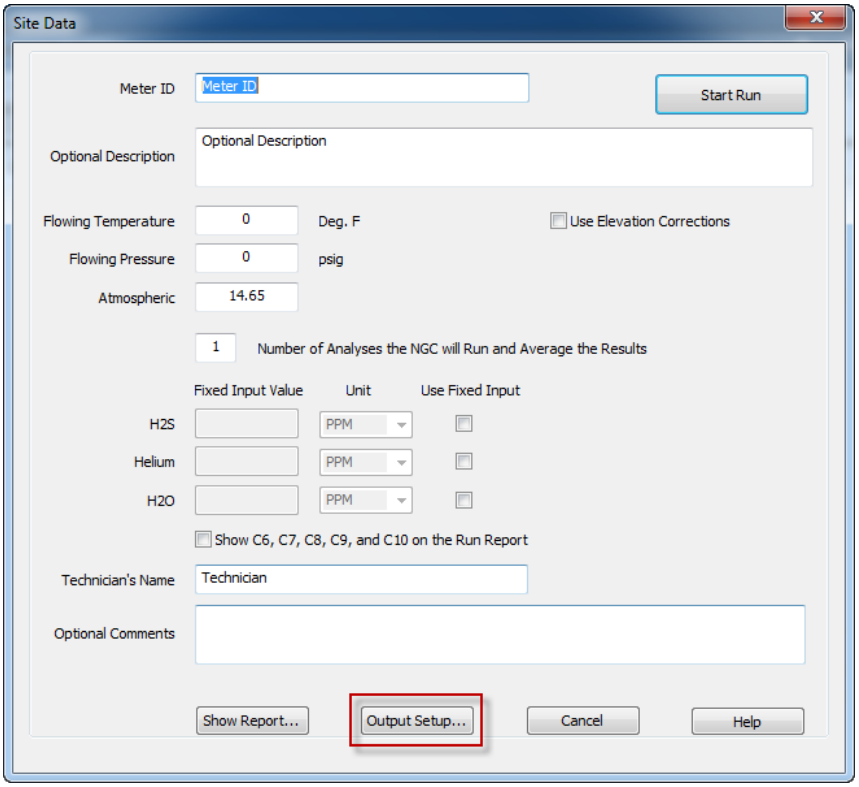


Configure Output Options

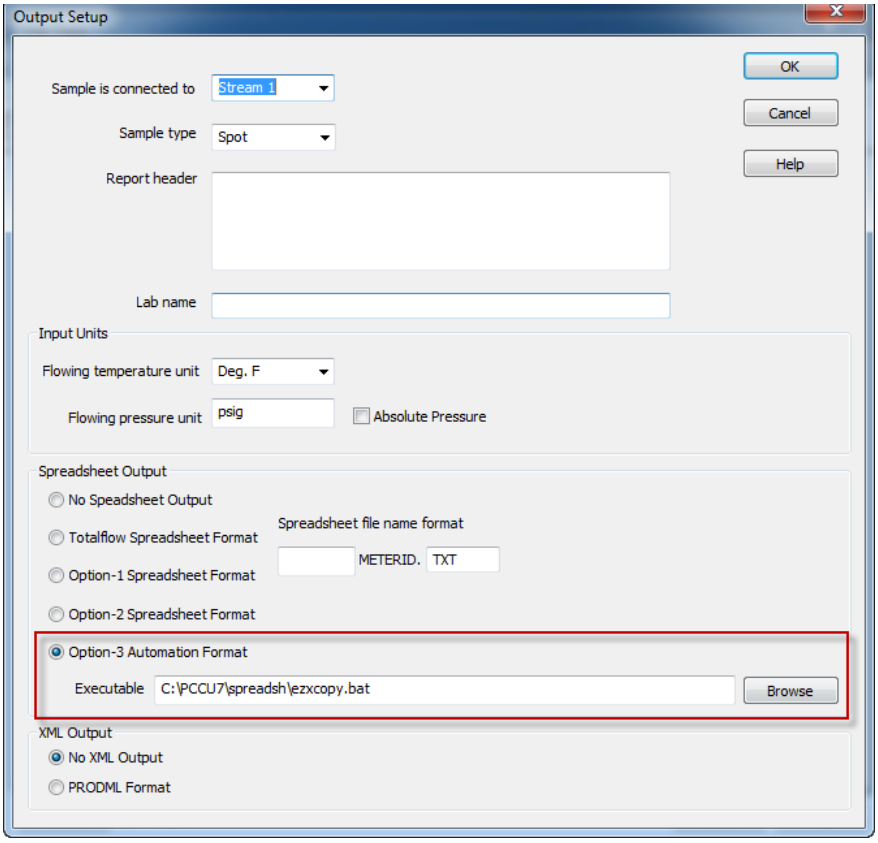
To configure the ABB TotalFlow PCCU software to send results to EZReporter, click the “Entry” toolbar button, and then click the “Run” button:



In the “Site Data” window, click the “Output Setup” button:

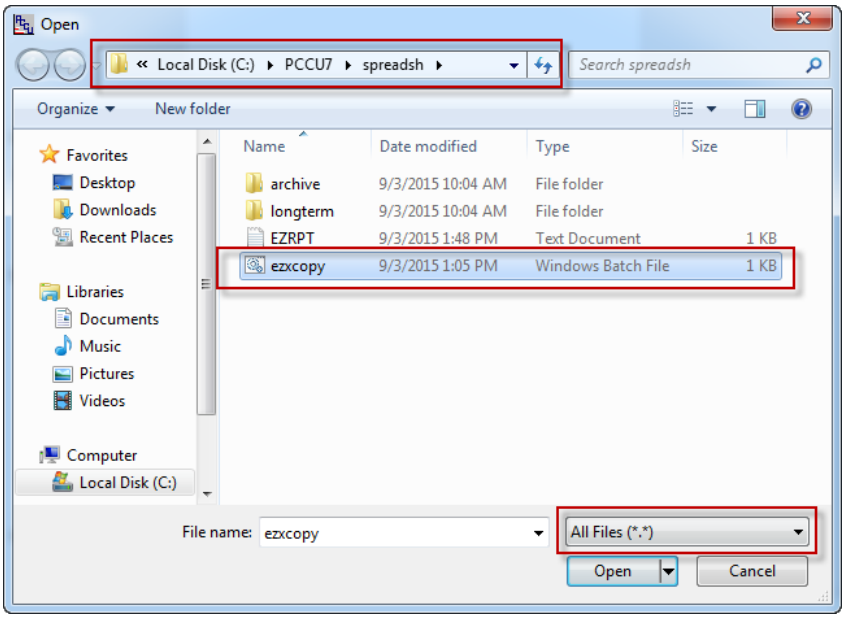


In the “Output Setup” window, click under “Spreadsheet Output”, click “Option-3 Automation Output”:



In the “Executable” text box you must enter either, “C:\PCCU7\spreadsh\ezxcopy.bat” or “C:\Program Files\ABB Totalflow\PCCU7\spreadsh\ezxcopy.bat”:

1. Click the “Browse” button
2. In the “Open” window, select the “All Files (*.*)” filter
3. Browse to the \PCCU7\spreadsh\ folder and select the file “ezxcopy” and click “Open”.

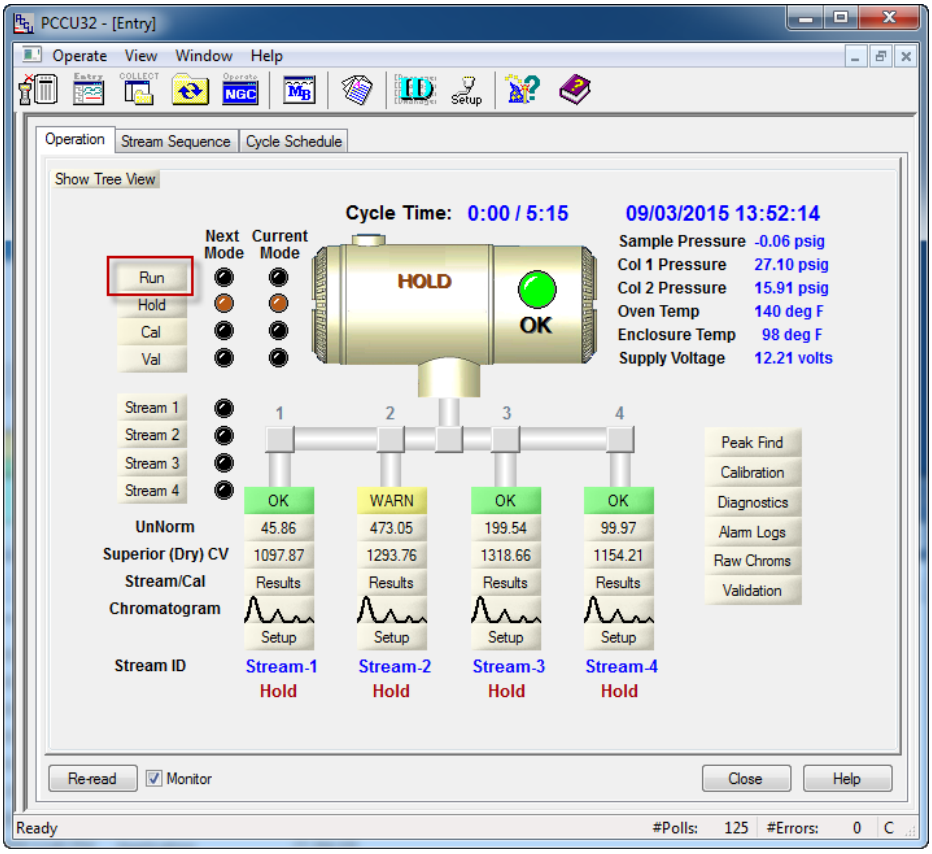


Note: If the file, “ezxcopy.bat”, is not present in the “\PCCU7\spreadsh” folder, then you will need to copy it to that location from the EZReporter installation folder:

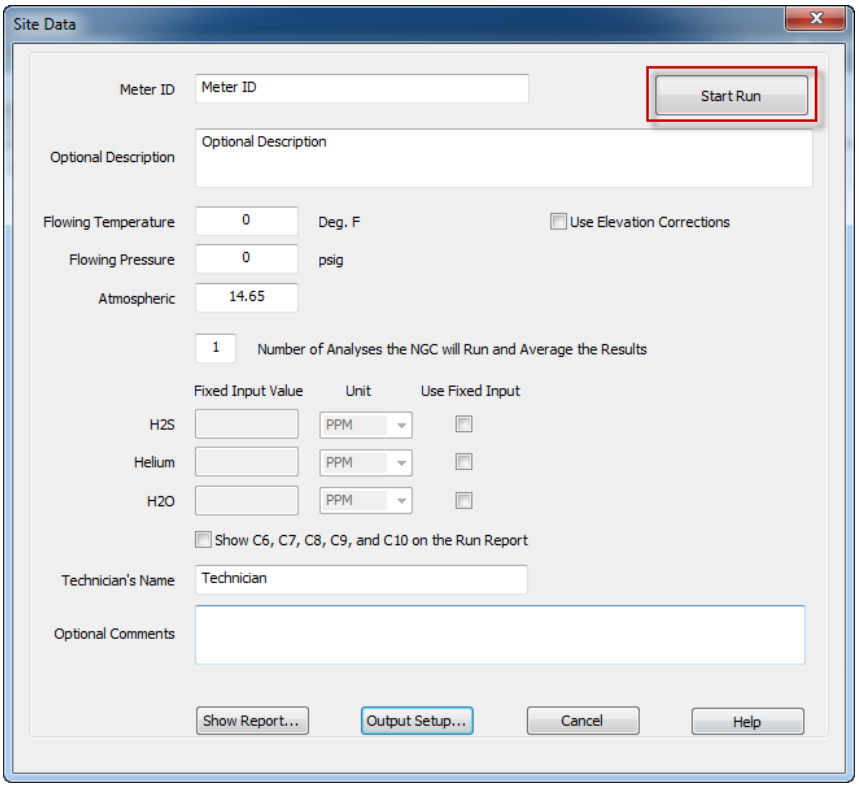
C:\Program Files (x86)\Diablo EZReporter 4.0\ezxcopy.bat

Start Run

To start a run click the “Run” button:



In the “Site Data” window enter the Meter ID and other sample information and then click the “Start Run” button.

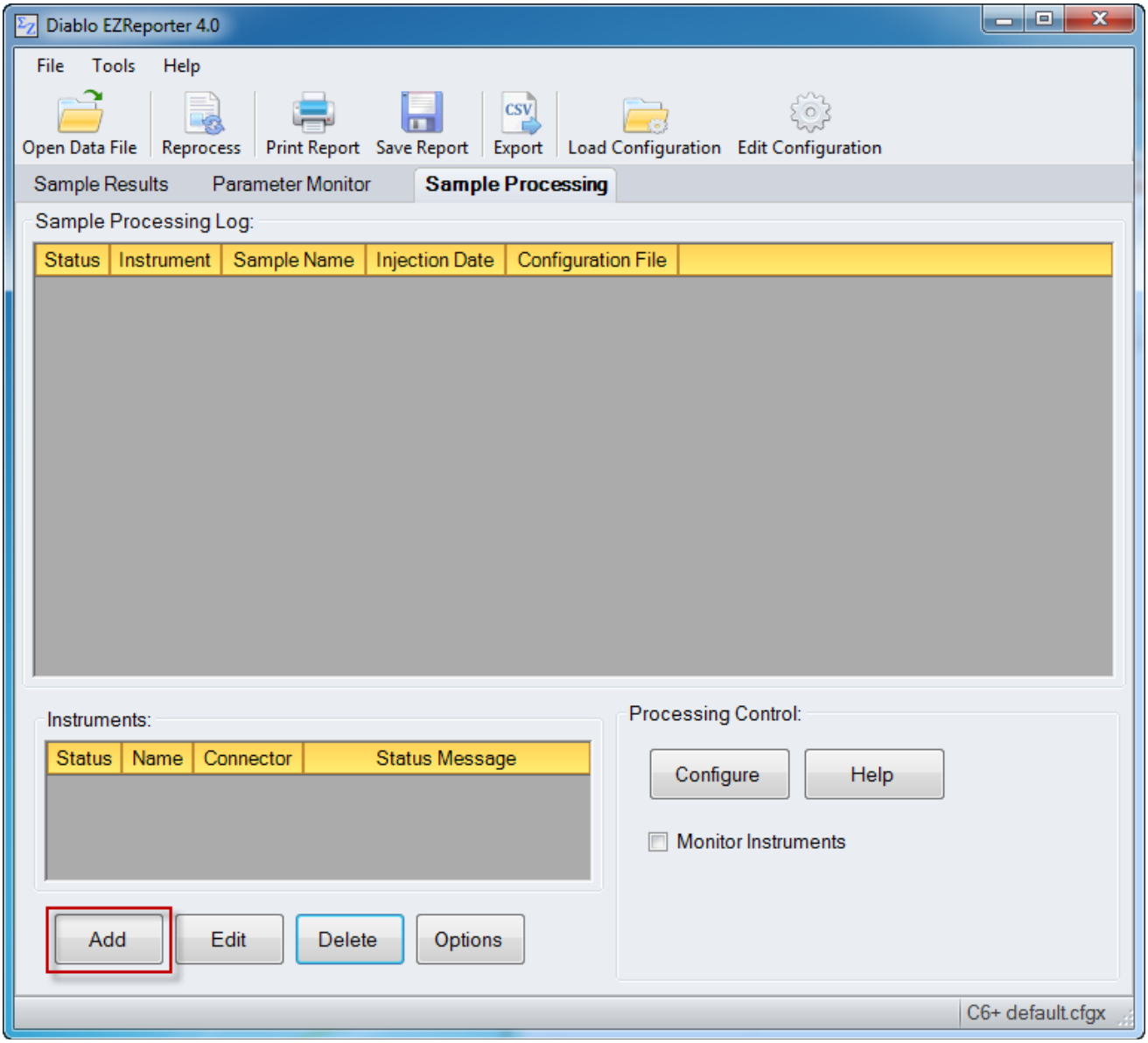


At the end of the run the PCCU software will save the results to the file, "\PCCU7\spreadsh\ezrpt.txt" and then start the batch file, "\PCCU7\spreadsh\ezxcopy.bat", which copies the results file to the export folder being monitored by the ABB PCCU Connector.

Configure EZReporter

Add an Instrument

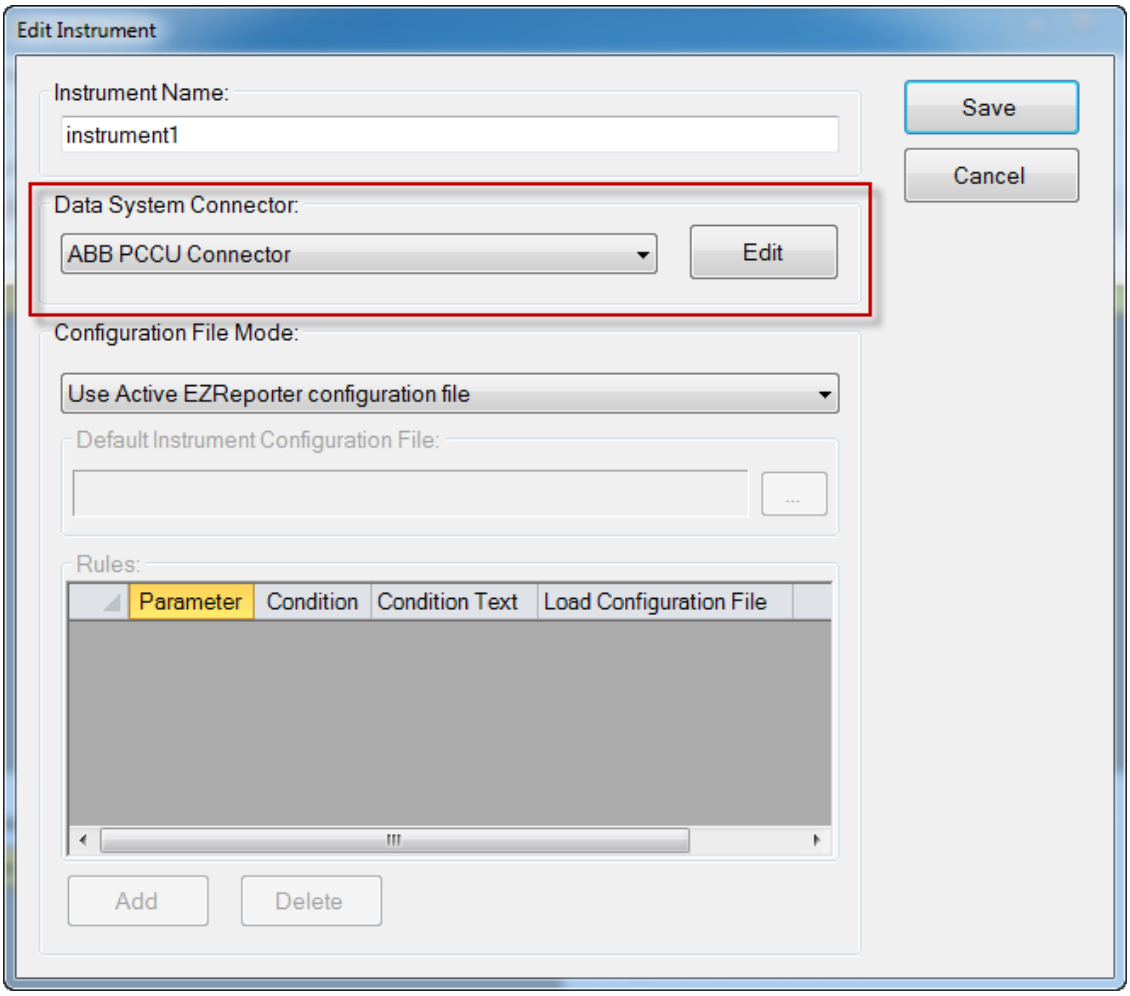
First, you must add and configure an instrument. Switch to the "Sample Processing" tab of the main window, and click the "Add" button below the instruments table.



Select the Data System Connector

In order to process results from your chromatography data system, you must select the Data System Connector for the data system you are using, and then "Edit" the connector to select and apply any connector-specific settings. Please refer to the reference manual or help file for the particular Data System Connector you are using.

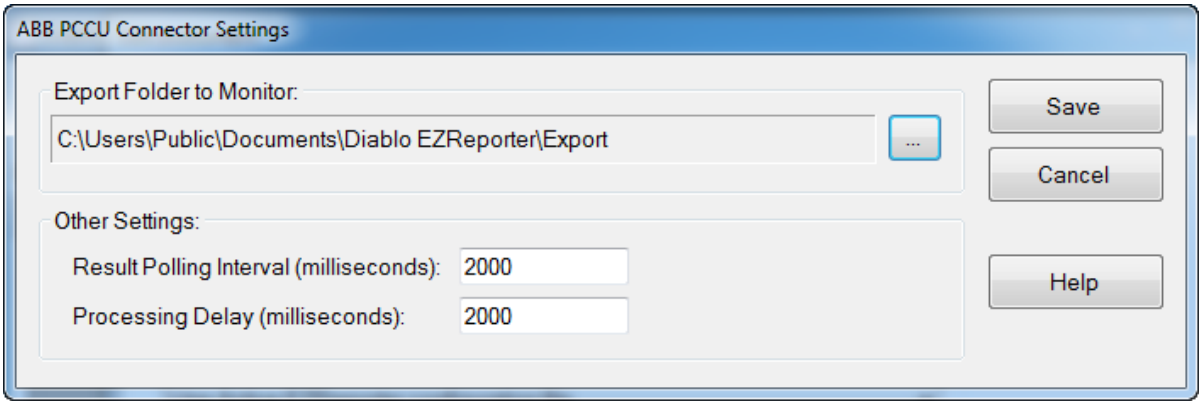
Important: The data system connectors available for you to select will be dependent on which version of the installation program you used to install the EZReporter 4.0 software. Make sure that you download the installer version for the manufacturer of the chromatography data system you are using to control your gas chromatograph.



Configure the Connector

The only setting you typically need to set for the ABB PCCU Connector is the "Export Folder to Monitor". Unless you are processing results from multiple instruments, you shouldn't need to change this setting from the default folder.

Important: If you change this folder, you will need to edit the batch file, "C:\PCCU7\spreadsh\ezxcopy.bat" so that it copies the results file to the new folder.



Other Settings

These settings should not need to be changed in a typical installation.

Result Polling Interval: This is the interval in milliseconds at which the connector will check the export folder for new text files exported from PCCU. The default value of 2000 milliseconds should be correct for most situations.

Processing Delay: After finding new text files in the export folder, the connector will wait for this period in milliseconds before processing results. The default value of 2000 milliseconds should be correct for most situations.

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