baseform

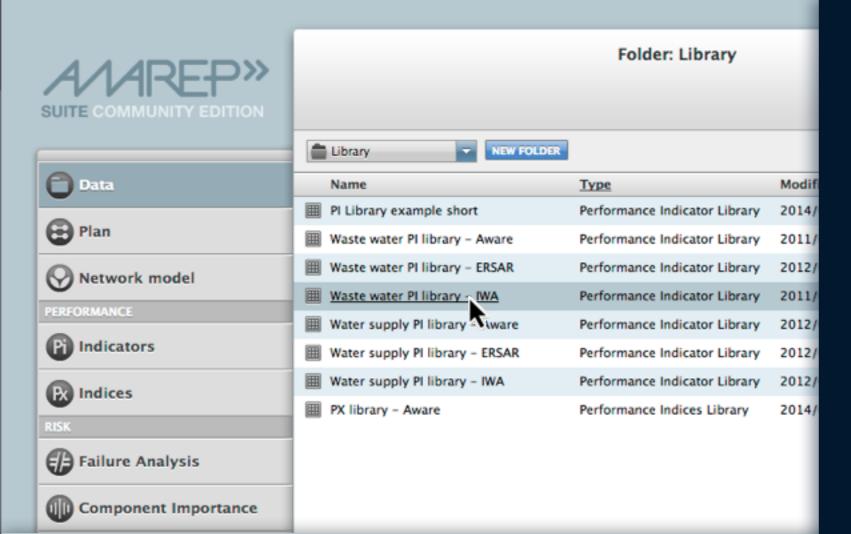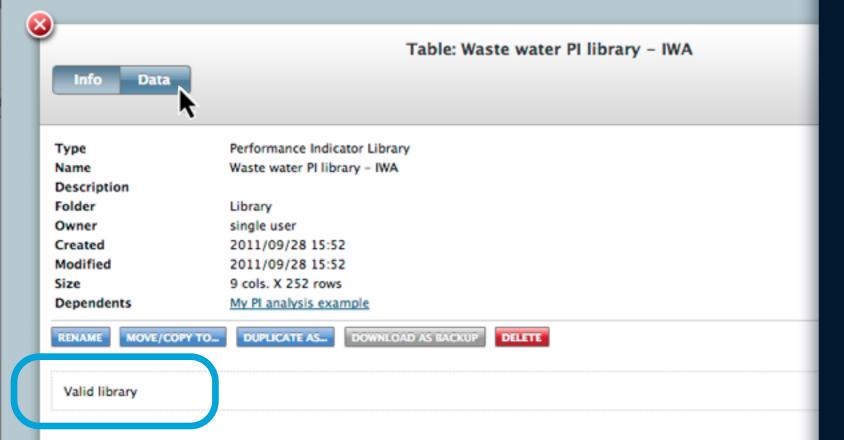## How to

create or edit a PI library

How to edit a PI library

To access, examine, edit or download the contents of a PI library file, use the **Data Manager** to navigate to the Library folder, as shown on the top screenshot.

In the next screen (bottom image), click on the **Data** tab as shown, to access the data.

Notice how the system confirms this is a valid library (bottom left). In case any inconsistencies are detected in the PI definitions or the variables they are calculated from, warnings will appear in this area.

Don't forget to make a copy

Before making any changes to a library file, it is strongly advisable to first create a safety copy by using the **Duplicate as** function in the menu shown.

In case of need, the latest versions of the standard libraries are available as backup from baseform.org

Table: Waste water PI library – IWA

Info | Data

DOWNLOAD XLSX | UPLOAD XLSX | ADD ROW

Sort by -- | Ascending

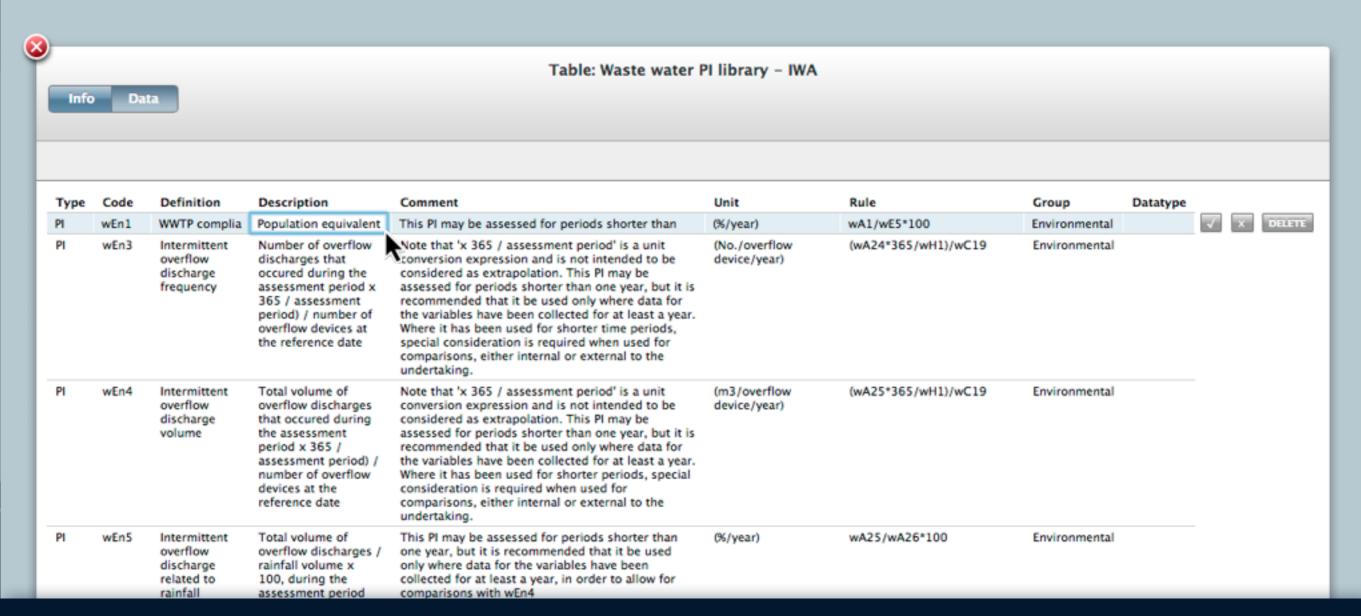| Type	Code	Definition	Description	Comment	Unit	Rule	Group	Datatype
PI	wEn1	WWTP compliance with discharge consents	Population equivalent that is served by wastewater treatment plants complying with discharge consents / population equivalent served by wastewater treatment plants managed by the undertaking x 100, at the reference date	This PI may be assessed for periods shorter than one year, but it is recommended that it be used only where data for the variables have been collected for at least a year. Where it has been used for shorter time periods, special consideration is required when used for comparisons, either internal or external to the undertaking.	(%/year)	wA1/wE5*100	Environmental	
PI	wEn3	Intermittent overflow discharge frequency	Number of overflow discharges that occured during the assessment period x 365 / assessment period) / number of overflow devices at the reference date	Note that 'x 365 / assessment period' is a unit conversion expression and is not intended to be considered as extrapolation. This PI may be assessed for periods shorter than one year, but it is recommended that it be used only where data for the variables have been collected for at least a year. Where it has been used for shorter time periods, special consideration is required when used for comparisons, either internal or external to the undertaking.	(No./overflow device/year)	(wA24*365/wH1)/wC19	Environmental	
PI	wEn4	Intermittent overflow discharge volume	Total volume of overflow discharges that occured during the assessment period x 365 / assessment period) / number of overflow devices at the	Note that 'x 365 / assessment period' is a unit conversion expression and is not intended to be considered as extrapolation. This PI may be assessed for periods shorter than one year, but it is recommended that it be used only where data for the variables have been collected for at least a year. Where it has been used for shorter periods, special consideration is required when used for comparisons, either	(m3/overflow device/year)	(wA25*365/wH1)/wC19	Environmental	

Export to, or import from Excel®

The Data tab provides a viewer and editor of the PI library — a table with the columns shown above, with one performance indicator (PI) defined per row.

As with most tables in Baseform software, it is possible to export (download) to or import (upload) from Excel® in a specific workbook format. To use this facility:

1. click **Download XLSX** to generate an Excel® file in the appropriate format;

2. edit that file in Excel®, **making sure the format remains unchanged**;

3. click **Upload XLSX** to import the data to your PX library.

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Table: Waste water PI library – IWA

Info Data

Type	Code	Definition	Description	Comment	Unit	Rule	Group	Datatype
PI	wEn1	WWTP complia	Population equivalent	This PI may be assessed for periods shorter than	(%/year)	wA1/wE5*100	Environmental	
PI	wEn3	Intermittent overflow discharge frequency	Number of overflow discharges that occured during the assessment period x 365 / assessment period) / number of overflow devices at the reference date	Note that 'x 365 / assessment period' is a unit conversion expression and is not intended to be considered as extrapolation. This PI may be assessed for periods shorter than one year, but it is recommended that it be used only where data for the variables have been collected for at least a year. Where it has been used for shorter time periods, special consideration is required when used for comparisons, either internal or external to the undertaking.	(No./overflow device/year)	(wA24*365/wH1)/wC19	Environmental	
PI	wEn4	Intermittent overflow discharge volume	Total volume of overflow discharges that occured during the assessment period x 365 / assessment period) / number of overflow devices at the reference date	Note that 'x 365 / assessment period' is a unit conversion expression and is not intended to be considered as extrapolation. This PI may be assessed for periods shorter than one year, but it is recommended that it be used only where data for the variables have been collected for at least a year. Where it has been used for shorter periods, special consideration is required when used for comparisons, either internal or external to the undertaking.	(m3/overflow device/year)	(wA25*365/wH1)/wC19	Environmental	
PI	wEn5	Intermittent overflow discharge related to rainfall	Total volume of overflow discharges / rainfall volume x 100, during the assessment period	This PI may be assessed for periods shorter than one year, but it is recommended that it be used only where data for the variables have been collected for at least a year, in order to allow for comparisons with wEn4	(%/year)	wA25/wA26*100	Environmental	

Editing library rows directly in the Data tab

The library may edited directly in the **Data** tab. Clicking on any value on the table activates the row editor. Once any changes have been made to the values:

- The ✓ button saves changes to the row;
- The **X** button exits the row without saving.

The **Delete** button eliminates the row.

Any changes to the library file will potentially affect the calculations performed in the Performance Indices tool.

It is advisable to create a backup of the original library (using the **Copy** or **Duplicate** function in the **Data Manager**) before any changes are made.

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For more details and technical background on this or any other tool of the AWARE-P Suite, please refer to baseform.org