

■ Reconcilor

Release Notes

Reconcilor v 9.4.4

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WHAT'S NEW FOR RECONCILOR 9.4.4

Reconcilor embeds and integrates the knowledge from our mining engineers, geologists, metallurgists and planners and when it is used to standardise operations across multiple sites, it enables sophisticated analysis and guidance to trouble-shoot and optimise multiple sites.

Snowden's Reconcilor has been developed to deliver this as a COTS (Commercial Off-the-Shelf) offering, with the added potential to enhance or supersede the existing functionality present in earlier versions of the product. Reconcilor assists key stakeholders on site and at head office to quickly see how operations are performing, get early notification of any issues and take action to resolve them.

This is a **minor version** update for Reconcilor. It is focused on:

- Inserting a calculated measure to selected standard metrics
- Including location hierarchy, raw source and raw destination columns into the Material movement tables
- Updates to the stockpile delta comparison values
- Stockpile analysis screen issues

1.1 Calculated Measures

Nonlinear regression is a statistical method used to model the relationship between one or more independent variables and a dependent variable, where the relationship is not a straight line. In contrast to linear regression, which assumes a linear relationship between the variables, nonlinear regression can model more complex relationships, such as exponential, logarithmic, power law, or polynomial relationships.

Clients have expressed a desire to have the estimated product tonnes visible within the standard Reconcilor user interface so that the results can be viewed and compared independently to the monthly report.

Note that the formula is not additive (i.e. non-linear) and therefore can be applied on monthly totals for the following metrics:

- Model By Survey
- Mine Production
- Stockpiling
- Stockpile Feed
- Mine Delivered

The ability to derive and select a calculated measure based off the existing measures using expressions, allows users the option to compare existing and calculated measures on the Continuum.

The logic built into the calculation will prevent the measures from calculating for metrics that don't make sense, eg: Transport and Shipping. It is necessary for the user to configure a weekly or monthly period on the Continuum to see the calculated measure.

Table 1.1 Continuum showing 2 new calculated measures for analysis



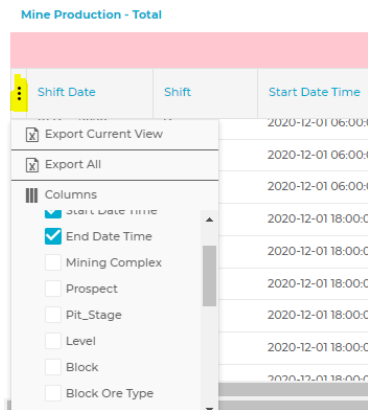
1.2 Material movement – new columns available in the table

When a dataset on the material movement screen is selected, the table that is presented now shows:

Feature 1: Location hierarchy

The location hierarchy as separate columns (hidden by default – unhide using the table control)

Table 1.2 Material movement table control showing location hierarchy options



Feature 2: Raw source and raw destination

The raw source and raw destination as separate columns (hidden by default – unhide using the table control). This will assist users in identification of unknown sources and destinations. The table will now show the name of the raw source/destination that was imported. Reconcilor will continue to show these unknown records as data health issues and does require someone to resolve them so that they are no longer “unknown” in the source and destination columns.

Table 1.3 Material movement table showing raw source and raw destination

Table limited to 1000 rows

Shift Date	Shift	Start Date Time	End Date Time	Raw Source	Source	Raw Destination	Destination	Batch Name	Contractor Name
01 Dec 2020	D	2020-12-01 06:00:00	2020-12-01 17:59:00	NLU01A_2375_704_APLM	NLU01A_2375_704_APLM	ROMA172-APLM	ROMA172-APLM		
01 Dec 2020	D	2020-12-01 06:00:00	2020-12-01 17:59:00	NLU01A_2375_302_APMW	NLU01A_2375_302_APMW	TPGSA127-APMW	Unknown		
01 Dec 2020	D	2020-12-01 06:00:00	2020-12-01 17:59:00	NLU01A_2375_302_APMW	NLU01A_2375_302_APMW	TPGSA127-APMW	Unknown		
01 Dec 2020	D	2020-12-01 06:00:00	2020-12-01 17:59:00	NLU01A_2225_306_APMW	NLU01A_2225_306_APMW	TPGSA127-APMW	Unknown		
01 Dec 2020	D	2020-12-01 06:00:00	2020-12-01 17:59:00	NLU01A_2050_503_AOLL	NLU01A_2050_503_AOLL	TPGSA127-APMW	Unknown		
01 Dec 2020	D	2020-12-01 06:00:00	2020-12-01 17:59:00	NLU01A_2050_202_WPAF	NLU01A_2050_202_WPAF	KHNGS2-WPAF	KHNGS2-WPAF		
01 Dec 2020	D	2020-12-01 06:00:00	2020-12-01 17:59:00	NLU01A_2050_202_WPAF	NLU01A_2050_202_WPAF	KHNGS2-WPAF	KHNGS2-WPAF		
01 Dec 2020	D	2020-12-01 06:00:00	2020-12-01 17:59:00	NLU01A_2050_202_WPAF	NLU01A_2050_202_WPAF	KHNGS2-WPAF	KHNGS2-WPAF		

1.3 Stockpile delta comparison values persist after opening date shift changes

Issue: When a new stockpile is created with a date/shift and balance, the stockpile delta comparison values are generated. If that stockpile is then edited to an earlier date/shift and the balance is removed, the stockpile delta comparisons should be removed too.

Fix: When a stockpile opening date/shift and balance is modified, the stockpile delta comparison value will be removed and regenerated using the new data.

1.4 Stockpile analysis screen

There were two fixes made to the stockpile analysis screen

- The table configuration (hidden columns) is now saving
- The Stockpile closing balance has been updated to ensure shifts are assigned to the correct day

Issue 1: Stockpile analysis table configuration can be saved

When a table in the stockpile analysis screen is configured and saved, the changes were not saving as expected.

Fix 1: Stockpile analysis now saves the table configurations.

Issue 2: Stockpile analysis closing balance by shift

When using the Stockpile Analysis screen to return stockpile balances for a specific shift, Reconcilor ignores the selected shift and appears to simply return the balances at the end of the current day.

Fix 2: Sites where a shift starts the day before or day after may have noticed their daily totals not quite adding up to what was expected. This was because the logic was not correctly including these shifts. Corrected in 9.4.4.

MORE INFORMATION

The following general resources are available to help you use your product:

- **Integrated Online Guidance:** your product online guidance (information icon in top right of the User Interface Shell) is your first stop for assistance and contains a wealth of information, including the latest information about this version.
- **Online video tutorials:** check out our YouTube channel for video tutorials for step-by-step guides to some of our more complex features.

<https://youtube.com/Reconcilor>

- **Support Portal:** The Datamine Support Portal allows you to get in touch with our global support teams for direct assistance with any software related issues.

<https://datamine.freshdesk.com/en/support/login>

The support portal also hosts the:

- Reconcilor FAQ's <https://datamine.freshdesk.com/en/support/solutions/Reconcilor/FAQ>
- Reconcilor Basic Troubleshooting <https://datamine.freshdesk.com/en/support/solutions/Reconcilor/BasicTroubleshooting>
- **Latest version:** The latest 9.4.4 release version can be upgraded by contacting your Datamine or Snowden Optiro Reconcilor consultant.

RESOLVED TICKETS – RECONCILER V 9.4.4



A new feature



An enhancement to an existing function or feature













A bug fix

The following tickets have been resolved since the last released version of Reconcilor:

For more information on individual cases, please refer to your online guidance, or contact your local support representative.

Resolved Tickets

Issue key	Issue Type	Summary
SM-3635		Material movement – add location hierarchy into table grid
SM-3954		Material movement – add raw source and raw destination columns
SM-4257		Analysis configurations – stockpile analysis – can't save changes to the table to hide columns
SM-4269		Continuum – Calculated measures
SM-4270		Allow user to select calculated measure in the continuum configuration
SM-4293		Stockpile delta comparison values persist after opening date shift changes
SM-4308		Block insert/update not resolving source on movements
SM-4313		Stockpile analysis does not return correct balances for selected shift
SM-4321		Haulage not resolved when new stockpiles are entered after haulage import
SM-4322		Auto queue service doesn't always queue the import job when it should