

BW EHS KPI (New)

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General presentation

Objective of the application

This solution is part of the RCS KPI application. It offers several EHS KPI about commercial products compositions and Dangerous Goods Master Data.

Reporting Coordinator: Célia Gonzalez-Roux

Usage information

Access given to around 200 users.

History

A review of the solution was delivered end of year 2015 in order to able to see KPI for Solvay GBUs.

Roles & Access

Roles and access

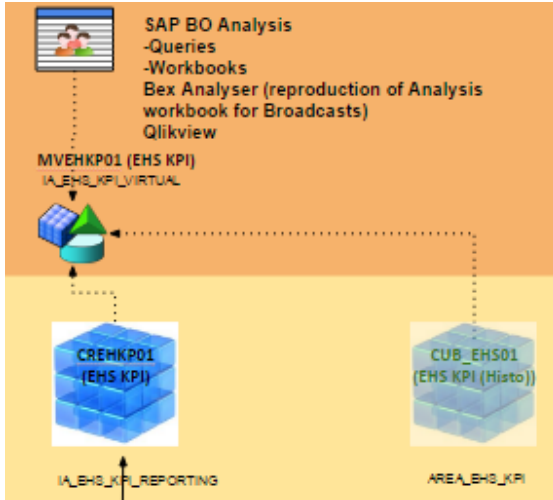
Role Code	Role Description	Explanation
ZR_RCS_CA_M29	KPI - Key Performance Indicator	Role menu for "KPI - Key Performance Indicator"
ZBI_RCS_KPI_A02	Key Performance Indicator - KPI - End User Role	Application Role: <ul style="list-style-type: none">• End User rights• gives access to infoproviders of Infoarea "AREA_EHS_KPI"• BI Analysis Authorization "ZBI_KPI" ("*" for authorization objects not relevant for the application)

Authorization objects

Link to the BW Catalog of role

https://drive.google.com/open?id=10GEfKYqrT1eeTO_uHYAheL1GX7L5y_pyH0KQU64qh5l

Dataflow overview



Cube CREHKP01 - New solution dataflow:

https://drive.google.com/file/d/1vWJJMrH15AaoroH_tntjwubAbk-4S-sYA6UzDz0cHSc/view

Cube CUB_EHS01- Old solution dataflow (still available for historical data and Dangerous Goods KPI):

<https://wiki.solway.com/x/YQBL>

Reporting documentation drive folder:

<https://drive.google.com/drive/folders/1mWeXJBTkb-FjWI0vAGBNwKbLCRC-ON3K>

Functional and Technical rules

Rules & Explanations

<https://drive.google.com/file/d/1adGTdxa3RfOmgMiCILAgvhXplfDhsCOAXRGt8JQt810/view>

Historical cube - CUB_EHS01 (EHS KPI (Histo))

This cube was used for all EHS KPI. It is now only used for historical KPI (before 12/2015) and also the dangerous goods indicators.

Rules concerning this flow are described here:

<https://wiki.solway.com/x/YQBL>

Dependencies with other applications

DSO DPEHKP01, DPEHS02 and DPEHAD01 are used for the EHS application (EHS - Admin Reports).

Data loadings

Info providers and objects loaded

Main Process Chains

PC_EHS_ASSESSMENT and EHS_MASTER_DATA should run the first work day of the month, else KPI EHS of month M-1 may not reflect exactly the M-1 state.

Process Chain	Code	Type	Frequency	Comments
EHS Assessment Report	PC_EHS_ASSESSMENT	SLAVE	<ul style="list-style-type: none"> launched by EHS_TRANSACIONAL Daily Sunday night to thursday night, around 6:30am Whole chain lasts around 20 minutes 	<ul style="list-style-type: none"> RCS system From datasources to DSO Inheritance links (DSO_EHSG), standard and legal compositions to propagation layer and "with SDS" DSO (DBEHS002) and Assessments
EHS : TD - D - RCS KPI	PC_EHS_KPI_001	SLAVE	<ul style="list-style-type: none"> launched by EHS_TRANSACIONAL Daily (loading only once by month) Sunday night to thursday night, around 8:30am Whole chain lasts around 5 minutes 	<ul style="list-style-type: none"> RCS system From data propagation level to cubes New KPI on composition dataflow Decision tree to load data only if it was not already loaded during the month. After the loading, the rule "KPI_MTH" in C_GLBFILTER is updated with the current month.
EHS Dailly MD Attributes	EHS_MASTER_DATA	SLAVE	<ul style="list-style-type: none"> launched by EHS_TRANSACIONAL Daily Sunday night to thursday night, around 7:00am Whole chain lasts around 2h30 	<ul style="list-style-type: none"> RCS systems From datasources to cubes EHS Master Data attributes (0EHS_SPEC, C_PROD, C_OBJEK) <ul style="list-style-type: none"> + Propagation Layer DSO for EHS KPI and Revision documents from datasource 0EHS_SPEC_ATTR. + DSO for REACH characteristics multi values Infopackage 1CL_OEHS002 FULL lasts 2h!

Loading frequency

KPI on compositions Process Chain is started monthly every 1st working day.

Average performance

Key Figure	Estimation
~ Average Process Chain Runtime	
~ Average nb of rows loaded per load	
~ Total nb of rows loaded (if full)	
~ Average Runtime for 10k lines	

Record Keeping

Reporting

Queries End User Documentation

Wiki Support : <https://wiki.solvay.com/x/JwI8>

Queries

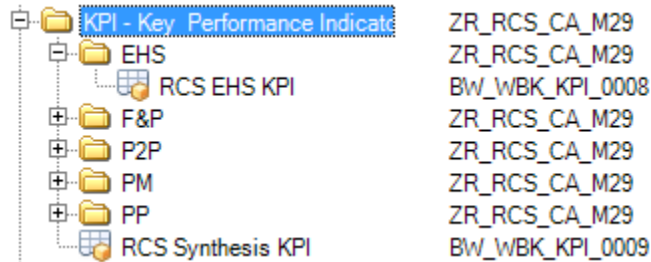
There is one global core query, with all KPI: RCS EHS KPI - Synthesis (Core) (BW_QRY_MVEHKP01_0001)

A copy of this query is used for Qlikview reporting: RCS EHS KPI - Synthesis for Qlikview (Core) (BW_QRY_MVEHKP01_QVRCSKPI_0001)

3 subsets of the global query are used for each workbook sheets:

- RCS EHS KPI - Nb of product without composition (Core) (BW_QRY_MVEHKP01_0002)
- RCS EHS KPI - Nb of product with composition at 100% (Core) (BW_QRY_MVEHKP01_0003)
- RCS EHS KPI - Nb of Materials without DG Master Data (Core) (BW_QRY_MVEHKP01_0004)

Workbooks



KPI - Key Performance Indicators	ZR_RCS_CA_M29
EHS	ZR_RCS_CA_M29
RCS EHS KPI	BW_WBK_KPI_0008
F&P	ZR_RCS_CA_M29
P2P	ZR_RCS_CA_M29
PM	ZR_RCS_CA_M29
PP	ZR_RCS_CA_M29
RCS Synthesis KPI	BW_WBK_KPI_0009

There are 2 Analysis workbook using KPI EHS queries:

- RCS EHS KPI (BW_WBK_KPI_0008) : use the 4 EHS KPI queries.
- RCS Synthesis KPI (BW_WBK_KPI_0009) : use the global core EHS KPI query and other KPI queries not linked to EHS.

There is also Analyser workbooks for broadcasts use.

In the future, only the Qlikview reporting may be relevant.

Broadcast

There was a broadcast that was not updated by the new solution => should be replaced by Qlikview.

Maintenance

Known bugs

Recurring procedure

Planned Evolution

Stop the loading of the old flow concerning KPI on products compositions