

Technical Documentation - Waste Management Report

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Access Management

Roles & Access

List of application role + menu role and explanation if we have several applications role with specials rules.

Role Code	Role Description	Explanation
ZR_RCS_CA_M5X	EHS - Waste Management	Menu access to transaction RRMX (bex analysis)
ZBI_RCS_EHS_A06	EHS - Waste Management	Access to InfoArea WASTE
ZP2_RCS_EHS_A06	EHS - Waste Management	Linked to authorization role ZP2_WASTE

Authorization Objects

List of authorization objects mandatory for the application.

Authorization object	Explanation
C_PLANT_C_AUTHMA	ZR_*_CA_P00

BW catalog roles:

https://docs.google.com/spreadsheets/d/10GEfKYqrT1eeTO_uHYAheL1GX7L5y_pvH0KQU64qh5I/edit#gid=131158862

DataFlow

Overview

Mapping for Waste Management

Mapping for Waste CADRI

General presentation

Objective of the application

The functionality of Waste Management aims to use SAP system for optimizing the control of all relevant legal documents of waste management process, ensuring integrity, accessibility and traceability of all data and costs related to the process, and compliance with legal requirements.

The SAP module is installed and used on Solvay/RCS legacy systems.

The SVT reporting is now based on a BW solution.

Usage information

Around 2 users, In Latin America first. It be implemented in other countries in the future.

History

In 2016 it was implemented as a pilot solution for Paulinia site, however this solution can be rolled out easily to any other Brazilian site, and even to any other Region.

For Paulinia operations SAP Environment is WP1

Today, in Paulinia we have one main user that is the Waste Administrator Management and one or two representatives per production unity. Also, not specifically, there are people that deals with transport and expedition, the purchase people and the cost control people.

Technical Rules on Workbench

BW EHS Waste Management and CADRI

The goal of Entries Control Report is to provide a report that facilitates the control of waste generation by period and its posterior management at Paulinia site.

In order to control the generation of each waste by several generating areas of Paulinia and the subsequent steps to final disposition from the supplier, it is necessary to list all Entry Documents created in the period that were not deleted, and then to have the trace of each relevant document created during the process.

Waste Management processes are transversal processes that involves EHS (DG and Product Safety), RtR, PtP and OTC.

There are 2 main transactions in Waste process:

- Edit Entry Documents - WAE0X – that creates Entry Documents, wastes, stock entries and purchase Orders,
- Edit Disposal Documents – WAM0X – that manages the details of waste expedition and posterior disposal

Both types of documents – entry and disposal – have different types of status that are linked to their current process step.

There is a governmental license –CADRI- that controls the amount of waste that can be disposed by type of waste and by disposer in a defined period. Also for each waste there are 2 codes that must be informed CETESB and IBAMA CODES.

Also, there are 2 types of classification, one related to waste and its transport, that is the normal DG country classification. And the other is a country Waste Code related to its waste nature.

Summarizing the process at Brazil:

- 1- The generator representative creates an amount of waste in the system. The number of units is exact but the weight is estimated. The waste will be weighed only at the time that it is being issued, therefore the quantity in Kg is estimated until the expedition time.
- 2- The Waste Administrator release the Entry Document and define where the waste will be stored, transferring the quantity to the defined warehouse.
- 3- Waste Administrator defined the disposer and the transporter and creates the Disposal Document and the purchase request that is based in a preexistent contract. There is an automatic check regarding governmental license- CADRI- if there is no allowed volume, the process is blocked.
- 4- In the purchase request the Waste Adm informs the date expected to issue the waste. Back office team will create the purchase order. The purchase process is a subcontracting process. Therefore there is a mirror virtual material (ZDIE) linked to each waste material (ZUNB). The waste material appears in the purchase order as a component.

- 5- The logistic team creates the delivery by transaction ME2O, based in the purchase order. After the delivery creation, logistics team creates the shipment order and the expedition programing. If it is the case, all the usual process regarding DG goods expedition is followed.
- 6- In right date, the picking is done, the truck is loaded, the waste is weighed, NFe is created and the expedition is done. The waste delivered appears as in the supplier storage control.
- 7- NFe copy is sent to Waste Adm that input the data updating the Disposal Document. Also, the right weight value in KG is fixed by MIGO transaction in the stock.
- 8- After the effective disposal, the supplier (disposer) sends a destruction certificate and the related invoice to Waste Adm. The weight informed by the supplier can be different of the registered in the expedition.
- 9- The Waste Adm updates data in Disposal document and changes its status. People of invoice centralized reception receives automatically information to perform MIRO and MIGO, and also closes the purchase requisition.
- 10- The process is finished.

DSO DPEHSW01 - Waste movement

DataStore Object	Techn. name / val...	F...	O.	App...	Dat...	L
▼ EHS Waste Movement (Rhodia)	DPEHSW01					
▶ Object Information						
▶ Settings						
▼ Key fields						
• Source System	0LOGSYS				CHAR	10
• Material	C_MATNR2				CHAR	18
• Number of material document	C_MBLNR				CHAR	10
• Follow-On Document	C_EASUCC				CHAR	32
• Sort sequence of objects	C_ORD				NUMC	04
▼ Data Fields						
• Specification	0EHS_SPEC				CHAR	12
• Plant	C_PLANT				CHAR	04
• Partner	C_PARTNER				CHAR	10
• Purchase requisition number	C_BANFN				CHAR	10
• Manifest Document	C_MANIFES				CHAR	60
• Delivery number	C_DELNUM2				CHAR	10
• Delivery Item (Core)	C_DELITM2				CHAR	16
• Vendor number	C_VENDID				CHAR	10
• Purchasing document category	C_BSTYP				CHAR	01
• BW: Document Number	0DOC_NUM				CHAR	10
• Purchase Order Item	C_PO_ITM				NUMC	06
• Invoice Number	0INV_DOC_NO				CHAR	10
• Purchasing Group	C_PUR_GRP				CHAR	03
• RCS / Purchase Organisation	C_PUR_ORG				CHAR	04
• Purchasing document type	C_BSART				CHAR	04
• Long Description	C_TXTLG				CHAR	60
• Sales document item category	C_ITMCAT				CHAR	04
• Controlling area	0CO_AREA				CHAR	04
• Cost Center	C_COSTCTR				CHAR	10
• Object number	C_OBJNR				CHAR	22
• Valid To	C_APVALTO				DATS	08
• Waste Approval Number Assigned by Authority	C_APPNO				CHAR	20
• Transport/Conversion: Identification (LIMU, TABU...)	C_IDENTIF				CHAR	08
• Role-Dependent Partner Name	C_WADESCR				CHAR	50
• Disposal Document Status	C_MNSTAT				CHAR	05
• Document Category	C_EASUCAT				CHAR	06
• Object Number	C_OBJNRB				CHAR	22
• Vendor Emission date of invoice	C_EMISS				DATS	08
• Created On	0ERDAT				DATS	08
• Base Unit of Measure	0BASE_UOM				UNIT	03
• Unit of measure	0UNIT				UNIT	03

• Number of Containers (TR)	K_NUMCON
• Quantity	K_EAINTAM
• Outgoing quantity	K_EAEXTAM
• Invoiced quantity	0INVCD_QTY
• GL - Shipment Date	C_DTEMB
• Document Date	0DOC_DATE

Transf: DTS_EHS_WASTE -> DPEHSW01 (Rhodia)

Start routine: Sort data by ENTAMNO (Entry document) & EABPCOUNT (sort order) and delete duplicate records comparing ENTAMNO.

DSO DPEHSW02 - Waste CADRI

EHS Waste CADRI (Rhodia)		DPEHSW02	
Object Information			
Settings			
Key fields			
Source System	0LOGSYS	CHAR	10
Material	C_MATNR2	CHAR	18
Vendor number	C_VENDID	CHAR	10
Waste Approval Number Assigned by Authority	C_APPNO	CHAR	20
Waste Generation, Waste Disposal, or Waste Tran	C_BPWANO	CHAR	10
Waste Code	C_WASTE	CHAR	30
Valid From	C_APVALFR	DATS	08
Valid To	C_APVALTO	DATS	08
Data Fields			
BW: Document Number	0DOC_NUM	CHAR	10
Purchase Order Item	C_PO_ITM	NUMC	06
Plant	C_PLANT	CHAR	04
Created On	0ERDAT	DATS	08
Unit of measure	0UNIT	UNIT	03
Qty Disposed of for Period	K_QTDISPO	QUAN	09
Licensed Quantity for Period	K_QTLICEN	QUAN	09

Transf: DTS_EHS_WASTE_CADRI -> DPEHSW02 (Rhodia)

Start routine: Sort data by MATNR (Waste), OBJNUM (M.data obj. key), APWAKEY (Waste code), APPNO (AuthWasteAppr), BPWANO (Number), APAMVALFR (Valid from), APAMVALTO (Valid to).

Delete duplicate records comparing MATNR (Waste), OBJNUM (M.data obj. key), APWAKEY (Waste code), APPNO (AuthWasteAppr), BPWANO (Number), APAMVALFR (Valid from), APAMVALTO (Valid to).

End routine: C_PLANT comes from master data C_PO_ITM, if no result found, take C_PLANT from master data C_MATNR2.

Datasources:

DTS_EHS_WASTE - EHS Waste Movement

Generic Delta	
DataSource	DTS_EHS_WASTE
Applic. Component	EHS-IO
Data Reconciliation	☐
Obj. status	Saved
Texts	
Short description	EHS Waste Management
Medium description	EHS Waste Management
Long description	EHS Waste Management
Extraction from DB View	
View/Table	
ExtractStruct.	
Extraction frm SAP Query	
InfoSet	
Extraction by Function Module	
Function Module	Z_WBW_DTS_EHS_WASTE
Extract.Struct.	ZWBWS028

Based on Function Module Z_WBW_DTS_EHS_WASTE

This function module is an left outer join selection of tables below:

```

SELECT ehswat_entam~matnr " Waste Material
ehswat000~partner " Waste management business partner */
ehswat_entam~crdat " Created On */
ehswat_entam~entamno " Entry document for Disposal Processing */
ehswat_entam~anzgeb " Number of Containers */
ehswat_entam~eaintam " Quantity */
ehswat_entam~eaextam " Outgoing quantity */
ehswat_entam~objnr " Object number
ehswat_entam~reclbpgen
ehswat_entam~recln
ehswat_entam~reclroot
ehswat_enacc~kokrs " CO AREA
ehswat_enacc~kostl " Cost Center */
ehswat_bpdefinit~objnum " Master Data Object Key */
ehswat_enfod~easucc " Follow-On Document */
ehswat_enfod~easucccat " Follow-On Document */
ehswat_enprt~eabpcount " Counter

ehswat_enfod~easucc AS banfn
ehswat_entam~matnr AS wrkst
ehswat_entam~matnr AS subid
ehswat_entam~matnr AS ident
ehswat_entam~anzgebeinh
ehswat_entam~eaintamu " Unit
ehswat_entam~eaextamu " Unit

```

```

FROM ehswat_entam " Disposal Processing (Quantity Entry/Planning)
LEFT OUTER JOIN ehswat_enprt " Disposal Processing: Partner for Entry Document
ON ehswat_enprt-recnroot = ehswat_entam-recn
AND ehswat_enprt-delflg = ''
LEFT OUTER JOIN ehswat_enacc " Disposal Processing: Account Assignments for Entry
ON ehswat_enacc-recnroot = ehswat_entam-recn
AND ehswat_enacc-delflg = ''
LEFT OUTER JOIN ehswat_enfod " Disposal Processing: Follow-On Document Table
ON ehswat_enfod-eapred = ehswat_entam-entamno " Entry Document
AND ehswat_enfod-easucccat EQ 'SAP009' " Document Category
AND ehswat_enfod-delflg = ''
LEFT OUTER JOIN ehswat001
ON ehswat001-recn = ehswat_entam-recnbpge
AND ehswat001-delflg = ''
INNER JOIN ehswat100
ON ehswat100-recn = ehswat001-recn
* ON ehswat100-recn = ehswat_entam-recnbpge
AND ehswat100-delflg = ''
INNER JOIN ehswat000 " Master Table for the Waste Management
ON ehswat000-recn = ehswat100-recnroot

LEFT OUTER JOIN ehswat_bpdefinit " MD: Partner Reference to Master Data Objects

ON ehswat_bpdefinit-recnroot = ehswat100-recn
AND ehswat_bpdefinit-delflg = ''

```

And individual selections in tables below:

```

SELECT jest-objnr
tj30t-txt30
INTO TABLE t_jest
FROM jest " Individual Object Status */
INNER JOIN tj30t " Texts for User Status */
ON tj30t-estat = jest-stat
FOR ALL ENTRIES IN t_collect_objnr
WHERE jest-objnr = t_collect_objnr-objnr
AND jest-inact NE 'X'
AND tj30t-spras = 'P'
AND tj30t-stsma = 'ZEHS_WMM' .

```

```

SELECT matnr
wrkst
INTO TABLE t_mara
FROM mara
FOR ALL ENTRIES IN t_collect_matnr
WHERE matnr = t_collect_matnr-matnr.

```

```

SELECT estrh-subid
estri-ident
INTO CORRESPONDING FIELDS OF TABLE t_estrh
FROM estrh
INNER JOIN estri
ON estrh-recn = estri-recnroot
FOR ALL ENTRIES IN t_collect_subid
WHERE estrh-subid = t_collect_subid-subid
AND estri-delflg NE 'X'
AND estrh-delflg NE 'X'.

```

```

SELECT recn recnroot wadescrpofg
INTO TABLE t_ehswat001_descr
FROM ehswat001_descr
FOR ALL ENTRIES IN t_data_aux
WHERE recnroot = t_data_aux-recnbpge
AND langu = 'P'.

```

```

SELECT mnino
mnstatus
zso_delivery
zso_item
zso_order
zso_item
zs_emission
zs_quantity
zs_uom
zsin_number
zs_manifest_doc
zs_vend_inv_doc
ehswat_approval~appno
ehswat_approval~apvalto
INTO TABLE t_ehswat_mn
FROM ehswat_mn
LEFT OUTER JOIN ehswat_approval " MD: Waste Approval
ON ehswat_approval~recn = ehswat_mn~mnappno
AND ehswat_approval~delflg = ''
FOR ALL ENTRIES IN t_ehswat_enfod
WHERE mnino = t_ehswat_enfod~mnino
AND ehswat_mn~delflg NE 'X'.

```

```

SELECT lips~vbeln
lips~posnr
lips~werks " Plant */
lips~pstyv " Sales document item category
lips~erdat
INTO TABLE t_lips
FROM lips
FOR ALL ENTRIES IN t_collect_delivery
WHERE vbeln = t_collect_delivery~delivery.

```

```

SELECT eban~ekorg " Plant */
eban~ekgrp " Sales document item category
eban~banfn
eban~bsart
eban~bstyp
eban~ebeln
eban~ebelp
eban~flief
eban~werks
INTO TABLE t_eban
FROM eban
FOR ALL ENTRIES IN t_ehswat_enfod
WHERE banfn = t_ehswat_enfod~banfn.

```

DTS_EHS_WASTE_CADRI - EHS Waste Movement

This datasource is based on view ZBWEHS_WAS_CADRI

DataSource	DTS_EHS_WASTE_CADRI
Applic. Component	EHS-IO
Data Reconciliation	☐
Obj. status	Saved
Texts	
Short description	EHS Waste CADRI
Medium description	EHS Waste Cadri
Long description	EHS Waste Cadri
Extraction from DB View	
View/Table	ZBWEHS_WAS_CADRI 
ExtractStruct.	ZOXWD10635
Extraction frm SAP Query	
InfoSet	
Extraction by Function Module	
Function Module	
Extract.Struct.	

View: ZBWEHS_WAS_CADRI - EHS Waste Cadri

Database view ZBWEHS_WAS_CADRI Active

Short Description EHS Waste Cadri

Attributes

Table/Join Conditions

View Flds

Selection Conditions

Maint.Status



Tables

EHSWAT002

EHSWAT_BPDEFINIT

EHSWAT_APPROVAL

EHSWAT_APPAMOUNT

EHSWAT001_DESCR

EHSWAT003

EHSWAT_DCAPP

EHSWAT_APPWAKEY

EHSWAT001

Join conditions

Table	Field name	=	Table	Field name
EHSWAT_APPWAKEY	MANDT	=	EHSWAT_DCAPP	MANDT
EHSWAT_APPROVAL	MANDT	=	EHSWAT_APPWAKEY	MANDT
EHSWAT003	MANDT	=	EHSWAT002	MANDT
EHSWAT002	MANDT	=	EHSWAT_BPDEFINIT	MANDT
EHSWAT001_DESCR	MANDT	=	EHSWAT_APPROVAL	MANDT
EHSWAT_DCAPP	MANDT	=	EHSWAT001_DESCR	MANDT
EHSWAT_APPAMOUNT	MANDT	=	EHSWAT_DCAPP	MANDT
EHSWAT001	MANDT	=	EHSWAT_APPAMOUNT	MANDT
EHSWAT_BPDEFINIT	RECNR00T	=	EHSWAT001	RECNR
EHSWAT001_DESCR	RECNR00T	=	EHSWAT001	RECNR
EHSWAT002	RECNRMAST	=	EHSWAT001	RECNR
EHSWAT_APPAMOUNT	RECNR00T	=	EHSWAT_APPWAKEY	RECNR
EHSWAT_APPWAKEY	RECNR00T	=	EHSWAT_APPROVAL	RECNR
EHSWAT003	RECNR	=	EHSWAT_DCAPP	RECNRDISCH
EHSWAT_DCAPP	RECNRAPP	=	EHSWAT_APPROVAL	RECNR
EHSWAT003	RECNRMASTD	=	EHSWAT002	RECNR

Attributes Table/Join Conditions View Flds Selection Conditions Maint.Status								
Table fields								
View field	Table	Field	Key	Data elem.	M...	DTyp	Length	Short description
MAINR	EHSWAT002	MAINR	☒	EHSWAE_WASTE	☐	CHAR	18	Material That Represents the Waste
OBJNUM	EHSWAT_BPDEFINIT	OBJNUM	☒	EHSWAE_OBJNUM	☐	CHAR	100	Master Data Object Key
WADESCRPOFG	EHSWAT001_DESCR	WADESCRPOFG	☒	EHSWAE_DESCRPOFG	☐	CHAR	50	Role-Dependent Partner Name
APPNO	EHSWAT_APPROVAL	APPNO	☒	EHSWAE_APPNO	☐	CHAR	20	Waste Approval Number Assigned by Authority
APAMVALFR	EHSWAT_APPAMOUNT	APAMVALFR	☒	EHSWAE_APAMVALFR	☐	DATS	8	Valid From
APAMVALTO	EHSWAT_APPAMOUNT	APAMVALTO	☒	EHSWAE_APAMVALTO	☐	DATS	8	Valid To
APPERQUAN	EHSWAT_APPAMOUNT	APPERQUAN	☒	EHSWAE_APPERQUAN	☐	QUAN	13	Licensed Quantity for Period
APPERDISQUAN	EHSWAT_APPAMOUNT	APPERDISQUAN	☒	EHSWAE_APPERDISQUAN	☐	QUAN	13	Quantity Disposed of for Period
BPWANO	EHSWAT002	BPWANO	☒	EHSWAE_BPWANO	☐	CHAR	10	Waste Generation, Waste Disposal, or Waste Transport
CRDAT	EHSWAT_APPAMOUNT	CRDAT	☒	ESECRDAT	☐	DATS	8	Created On
EBELN	EHSWAT003	EBELN	☒	EHSWAE_EBELN	☐	CHAR	10	Purchasing Document
EBLEP	EHSWAT003	EBLEP	☒	EBLEP	☐	NUMC	5	Item Number of Purchasing Document
UPDDAT	EHSWAT_APPAMOUNT	UPDDAT	☒	ESEUPDDAT	☐	DATS	8	Changed On
APWAKEY	EHSWAT_APPWAKEY	APWAKEY	☒	EHSWAE_WAKEYIDE_SHORT	☐	CHAR	30	Waste Code
APPERU	EHSWAT_APPAMOUNT	APPERU	☒	EHSWAE_PERU	☐	UNIT	3	Unit of Measure for Licensed Quantity
APPERCKU	EHSWAT_APPAMOUNT	APPERCKU	☒	EHSWAE_APCKU	☐	UNIT	3	Unit of Measure for Alert Quantity
APPERDISU	EHSWAT_APPAMOUNT	APPERDISU	☒	EHSWAE_DISU	☐	UNIT	3	Unit of Measure for Quantity Disposed Of
CRNAM	EHSWAT_APPAMOUNT	CRNAM	☒	ESECRNAM	☐	CHAR	12	Created By
APPQUAN	EHSWAT_APPWAKEY	APPQUAN	☒	EHSWAE_APPQUAN	☐	QUAN	13	Total Licensed Quantity for the Approval and Waste Code
APDISQUAN	EHSWAT_APPWAKEY	APDISQUAN	☒	EHSWAE_APDISQUAN	☐	QUAN	13	Quantity Disposed Of
APCKQUAN	EHSWAT_APPWAKEY	APCKQUAN	☒	EHSWAE_APCKQUAN	☐	QUAN	13	Alert Quantity
APCKU	EHSWAT_APPWAKEY	APCKU	☒	EHSWAE_APCKU	☐	UNIT	3	Unit of Measure for Alert Quantity
APDISU	EHSWAT_APPWAKEY	APDISU	☒	EHSWAE_DISU	☐	UNIT	3	Unit of Measure for Quantity Disposed Of
APPQUANU	EHSWAT_APPWAKEY	APPQUANU	☒	EHSWAE_PERU	☐	UNIT	3	Unit of Measure for Licensed Quantity
APDISMETH	EHSWAT_APPWAKEY	APDISMETH	☒	EHSWAE_APDISMETH	☐	CHAR	21	Disposal Method
APDISCAT	EHSWAT_APPWAKEY	APDISCAT	☒	EHSWAE_APDISCAT	☐	CHAR	21	Type of disposal

Attributes Table/Join Conditions View Flds Selection Conditions Maint.Status					
Table fields					
Table	Field name	Operator	Comparison Value	AND/...	
EHSWAT_BPDEFINIT	OBJART	EQ	'VENDOR'	AND	
EHSWAT001_DESCR	LANGU	EQ	'P'	AND	
EHSWAT_APPAMOUNT	DELFLG	NE	'X'	AND	
EHSWAT_APPWAKEY	DELFLG	NE	'X'	AND	
EHSWAT_APPWAKEY	DELFLG	NE	'X'		

Reporting

BW_QRY_MVEHSW01_0001 - EHS Waste Movement (core query)

This query is used to analyze the data stored in WASTE movement

Filters

Filter	
Characteristic Restrictions	
Source System	
Source System (Selection option, Optional)	
Plant	
Plant (Selection Option, Optional)	
Cost Center	
Cost center (Selection option)	
Fixed Vendor	
Vendor (Selection Option, Optional)	
Created On	
Creation Date (Interval, Optional)	
Waste Material	
Material (Selection Option, Optional)	
Sort Sequence	
Sort Sequence (Optional)	
Follow-On Document	
Follow on Doc	
Status	
Status (optional)	

Rows

Rows	
Source System	
Waste Material	
Partner	
Role-Dependent Partn	
Created On	
Shipment Date	
Entry document	
Status	
Purchase Order	
Fixed Vendor	
Controlling area	
Cost Center	
Master data obj. key	
Follow-On Document	
Disposal Document Status	
Delivery number	
Authority-assigned waste approval no	
Valid To	
Vendor Invoice	
Emission date of invoice	
Identifier	

Columns

Columns
Key Figures
Number of Containers
Entry Quantity
Outgoing quantity
Quantity - Vendor Invoice
Stock adjustment

Navigational Attributes

Free Characteristics
Company code
Country of Plant
Geography / Zone
Identification Type
Identification Categ
Purchase requisition number
Purchasing doc type
RCS / Purchase Organisation
Purchasing Group
Delivery Item
BFC Global Business Unit
Authorization Group
Division
Material group
Material type
Sort Sequence

Lay-Out

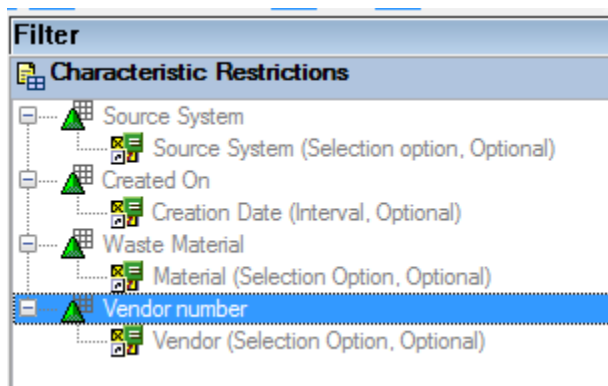
Waste Material	Partner	Role-Dependent Partn	Created On	Shipment Date	Entry document	Status	Purchase Order	Fixed Vendor	
2024968	ACIDO SALICILICO FORA ESPECIFICA	1000000020	#	01/12/2015	16/12/2015	8000000011	Confirmado	#	WP1_400/Not assigned
2024968	ACIDO SALICILICO FORA ESPECIFICA	1000000020	#	02/02/2016	19/09/2016	8000000139	Confirmado	#	WP1_400/Not assigned
2024968	ACIDO SALICILICO FORA ESPECIFICA	1000000020	#	20/04/2016	19/09/2016	8000000311	Confirmado	#	WP1_400/Not assigned
2024968	ACIDO SALICILICO FORA ESPECIFICA	1000000020	#	29/06/2016	19/09/2016	8000000491	#	#	WP1_400/Not assigned
2024968	ACIDO SALICILICO FORA ESPECIFICA	1000000020	#	01/08/2016	19/09/2016	8000000554	Confirmado	4502841791	124482 REVALORE COPROCESSAMENTO I
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	17/12/2015	18/12/2015	8000000100	#	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	17/12/2015	18/12/2015	8000000101	#	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	18/12/2015	28/12/2015	8000000083	Confirmado	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	18/12/2015	28/12/2015	8000000084	#	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	18/12/2015	18/05/2016	8000000106	Confirmado	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	18/12/2015	29/08/2016	8000000105	#	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	04/03/2016	11/03/2016	8000000200	#	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	04/03/2016	11/03/2016	8000000201	Confirmado	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	23/03/2016	20/04/2016	8000000222	Confirmado	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	29/08/2016	29/08/2016	8000000658	Confirmado	#	WP1_400/Not assigned
2024971	AREIA DE PROCESSO - GR	1000000035	BR PAULINIA-SILICAS-Geral	05/09/2016	09/09/2016	8000000665	#	#	WP1_400/Not assigned
2024974	RESIDUOS DE BISFENOL - TB	1000000010	#	01/12/2015	16/12/2015	8000000008	Confirmado	4502646293	124482 REVALORE COPROCESSAMENTO I

Delivery number	Authority-assigned waste approval no	Valid To	Vendor Invoice	Emission date of invoice	Identifier	Number of Containers	Entry Quantity	Outgoing quantity	Quantity - Vendor Invoice	Stock adjustment
190028360	00000000000037002385	28/01/2016	6191	20/01/2016	BRWC	40	17.600,0 KG	9.840,0 KG	9.840,0 KG	7.760,0 KG
190031221	00000000000037002466	16/04/2017	#	#	BRWC	8	3.520,0 KG	2.038,7 KG	0,0	1.481,3 KG
190031221	00000000000037002466	16/04/2017	#	#	BRWC	11	4.840,0 KG	2.803,2 KG	0,0	2.036,8 KG
190031221	00000000000037002466	16/04/2017	#	#	BRWC	4	1.760,0 KG	1.019,4 KG	0,0	740,6 KG
190031221	00000000000037002466	16/04/2017	#	#	BRWC	8	3.520,0 KG	2.038,7 KG	0,0	1.481,3 KG
190028379	00000000000037002386	20/08/2017	6195	20/01/2016	BRWC	1	54.000,0 KG	42.000,0 KG	42.440,0 KG	12.000,0 KG
190028380	00000000000037002386	20/08/2017	6194	20/01/2016	BRWC	1	54.000,0 KG	43.120,0 KG	43.000,0 KG	10.880,0 KG
190028420	00000000000037002386	20/08/2017	132	01/03/2016	BRWC	1	54.000,0 KG	43.120,0 KG	44.100,0 KG	10.880,0 KG
190028421	00000000000037002189	14/10/2016	132	01/03/2016	BRWC	1	54.000,0 KG	44.200,0 KG	44.100,0 KG	9.800,0 KG
190029851	00000000000037002386	20/08/2017	6933	30/06/2016	BRWC	1	54.000,0 KG	51.080,0 KG	48.720,0 KG	2.920,0 KG
190031003	00000000000037002386	20/08/2017	7402	30/09/2016	BRWC	1	54.000,0 KG	39.300,0 KG	41.360,0 KG	14.700,0 KG
190029154	00000000000037002386	20/08/2017	6496	31/03/2016	BRWC	1	54.000,0 KG	51.320,0 KG	51.240,0 KG	2.680,0 KG
190029155	00000000000037002386	20/08/2017	6495	31/03/2016	BRWC	1	54.000,0 KG	43.160,0 KG	43.200,0 KG	10.840,0 KG
190029566	00000000000037002386	20/08/2017	6740	31/05/2016	BRWC	1	54.000,0 KG	45.900,0 KG	45.880,0 KG	8.100,0 KG
190031002	00000000000037002386	20/08/2017	7401	30/09/2016	BRWC	1	54.000,0 KG	41.360,0 KG	39.400,0 KG	12.640,0 KG
190031122	00000000000037002386	20/08/2017	7403	30/09/2016	BRWC	1	54.000,0 KG	43.820,0 KG	43.600,0 KG	10.180,0 KG
190028361	00000000000037002385	12/04/2016	6299	19/02/2016	160305	48	21.120,0 KG	16.480,0 KG	16.240,0 KG	4.640,0 KG
190030599	00000000000037002525	28/01/2016	7258	31/08/2016	160305	40	17.600,0 KG	10.764,7 KG	18.020,0 KG	6.835,3 KG

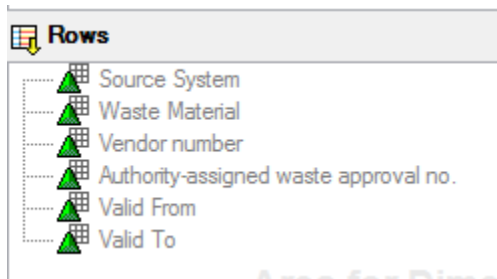
BW_QRY_MVEHSW02_0001 - EHS Waste CADRI (core query)

This query is used to analyze the data stored in CADRI repository

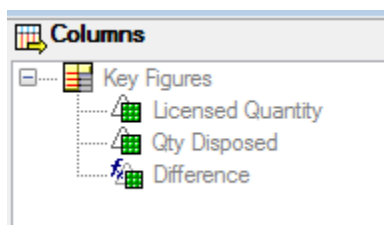
Filters



Rows



Columns



Navigational Attributes



Lay-Out

Source System	Waste Material	Vendor number	Authority-assigned waste approval no.	Valid From	Valid To	Licensed Quantity	Qty Disposed	Difference
WP1_400	2024968	ACIDO SALICILICO FORA ESPEC	124482	REVALORE COPROCESSAM	00000000000037002385	10/08/2015	28/01/2016	81.360 KG 4.920 KG 76.440 KG
WP1_400	2024968	ACIDO SALICILICO FORA ESPEC	124482	REVALORE COPROCESSAM	00000000000037002466	07/12/2015	31/12/2015	80.000 KG 0 KG 80.000 KG
WP1_400	2024968	ACIDO SALICILICO FORA ESPEC	124482	REVALORE COPROCESSAM	00000000000037002466	01/01/2016	31/12/2016	80.000 KG 3.950 KG 76.050 KG
WP1_400	2024968	ACIDO SALICILICO FORA ESPEC	124482	REVALORE COPROCESSAM	00000000000037002466	01/01/2017	16/04/2017	80.000 KG 0 KG 80.000 KG
WP1_400	2024969	ANEIS CERAMICOS - TB	90708	HOLCIM BRASIL S A	00000000000037002011	28/05/2014	31/12/2014	30.000 KG 0 KG 30.000 KG
WP1_400	2024969	ANEIS CERAMICOS - TB	90708	HOLCIM BRASIL S A	00000000000037002011	01/01/2015	31/12/2015	30.000 KG 0 KG 30.000 KG
WP1_400	2024969	ANEIS CERAMICOS - TB	90708	HOLCIM BRASIL S A	00000000000037002011	01/01/2016	28/05/2016	30.000 KG 0 KG 30.000 KG
WP1_400	2024970	ANEIS CERAMICOS - BB 600	90708	HOLCIM BRASIL S A	00000000000037002011	28/05/2014	31/12/2014	30.000 KG 0 KG 30.000 KG
WP1_400	2024970	ANEIS CERAMICOS - BB 600	90708	HOLCIM BRASIL S A	00000000000037002011	01/01/2015	31/12/2015	30.000 KG 0 KG 30.000 KG
WP1_400	2024970	ANEIS CERAMICOS - BB 600	90708	HOLCIM BRASIL S A	00000000000037002011	01/01/2016	28/05/2016	30.000 KG 0 KG 30.000 KG
WP1_400	2024971	AREIA DE PROCESSO - GR	90708	HOLCIM BRASIL S A	00000000000037002011	28/05/2014	31/12/2014	1.800.000 KG 0 KG 1.800.000 KG
WP1_400	2024971	AREIA DE PROCESSO - GR	90708	HOLCIM BRASIL S A	00000000000037002011	01/01/2015	31/12/2015	1.800.000 KG 0 KG 1.800.000 KG
WP1_400	2024971	AREIA DE PROCESSO - GR	90708	HOLCIM BRASIL S A	00000000000037002011	01/01/2016	28/05/2016	1.800.000 KG 0 KG 1.800.000 KG
WP1_400	2024971	AREIA DE PROCESSO - GR	124482	REVALORE COPROCESSAM	00000000000037002386	20/08/2015	31/12/2015	1.889.930 KG 64.610 KG 1.825.320 KG
WP1_400	2024971	AREIA DE PROCESSO - GR	124482	REVALORE COPROCESSAM	00000000000037002386	01/01/2016	31/12/2016	2.000.000 KG 157.970 KG 1.842.030 KG
WP1_400	2024971	AREIA DE PROCESSO - GR	124482	REVALORE COPROCESSAM	00000000000037002386	01/01/2017	20/08/2017	2.000.000 KG 0 KG 2.000.000 KG
WP1_400	2024971	AREIA DE PROCESSO - GR	2500041184	CRH CANTAGALO INDUSTR	00000000000037002189	22/11/2014	14/10/2016	1.200.000 KG 22.050 KG 1.177.950 KG
WP1_400	2024974	RESIDUOS DE BISFENOL - TB	90708	HOLCIM BRASIL S A	00000000000037002011	28/05/2014	31/12/2014	220.000 KG 0 KG 220.000 KG
WP1_400	2024974	RESIDUOS DE BISFENOL - TB	90708	HOLCIM BRASIL S A	00000000000037002011	01/01/2015	31/12/2015	220.000 KG 0 KG 220.000 KG
WP1_400	2024974	RESIDUOS DE BISFENOL - TB	90708	HOLCIM BRASIL S A	00000000000037002011	01/01/2016	28/05/2016	220.000 KG 19.870 KG 200.130 KG
WP1_400	2024974	RESIDUOS DE BISFENOL - TB	124482	REVALORE COPROCESSAM	00000000000037002385	10/08/2015	28/12/2015	743.650 KG 8.240 KG 735.410 KG
WP1_400	2024974	RESIDUOS DE BISFENOL - TB	124482	REVALORE COPROCESSAM	00000000000037002525	14/03/2016	31/12/2016	400.000 KG 29.050 KG 370.950 KG
WP1_400	2024974	RESIDUOS DE BISFENOL - TB	124482	REVALORE COPROCESSAM	00000000000037002525	01/01/2017	31/12/2017	400.000 KG 0 KG 400.000 KG

Dependencies with other applications

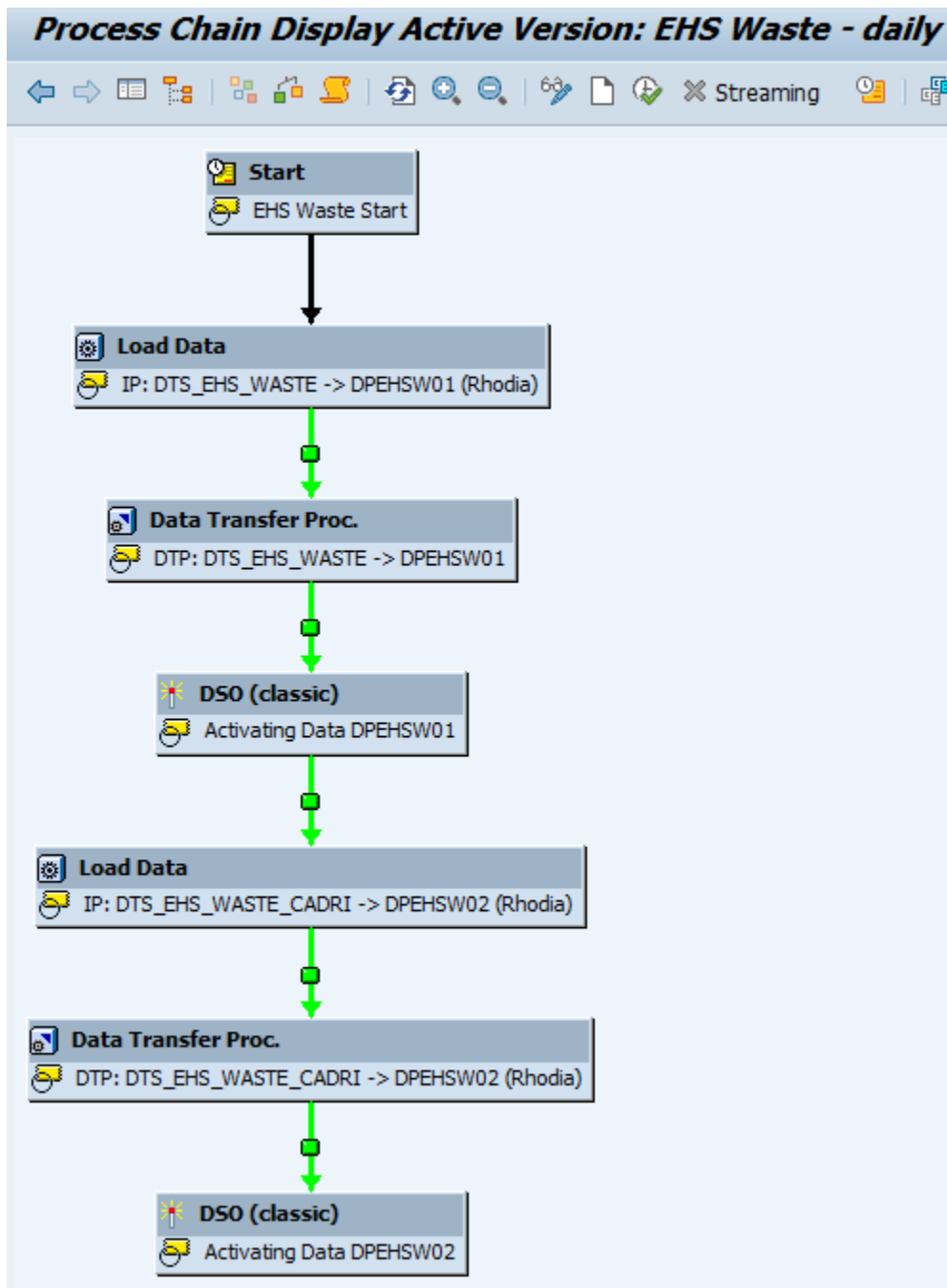
We should have the information where the application is sending or receiving information (e.g. APD open hub)

Data Loading

Info Providers and objects loaded

Process Chain name: PC_EHS_WASTE_FLOW

Daily, start at 4:30 am.



Remark: PC_EHS_WASTE was the original metachain, but has been replaced by chain PC_EHS_WASTE_FLOW, in order to be aligned with all BW systems

Data Quality Control

Operational Documentation

Procedures

<Describe the recurring procedures needed to operate the application (eg. start/pause/terminate/restart the app processes, data preparation, data ingestion, ETL, data visualization, data export, other manual activities)>

Scheduling

<Describe the scheduling in place for the application (eg. existing jobs, trigger time/event based, dependencies)>

Monitoring

<Describe the monitoring checks to confirm the application is performing well (eg. check the overall status, check performance metrics like runtime /data volume/memory/disk/CPU, maintain and react to alerts/notifications)>

Error Handling

<Describe how to handle errors (eg. error codes, description and respective resolution, alert users)>

Known Bugs

<List the existing bugs, its criticality, workarounds and resolution plan.>

Roadmap

<List past & future evolutions for the application (including links to MED/FSD/TSD)>