



ORACLE®

The Chemical Company

Demurrage Transaction Case Study

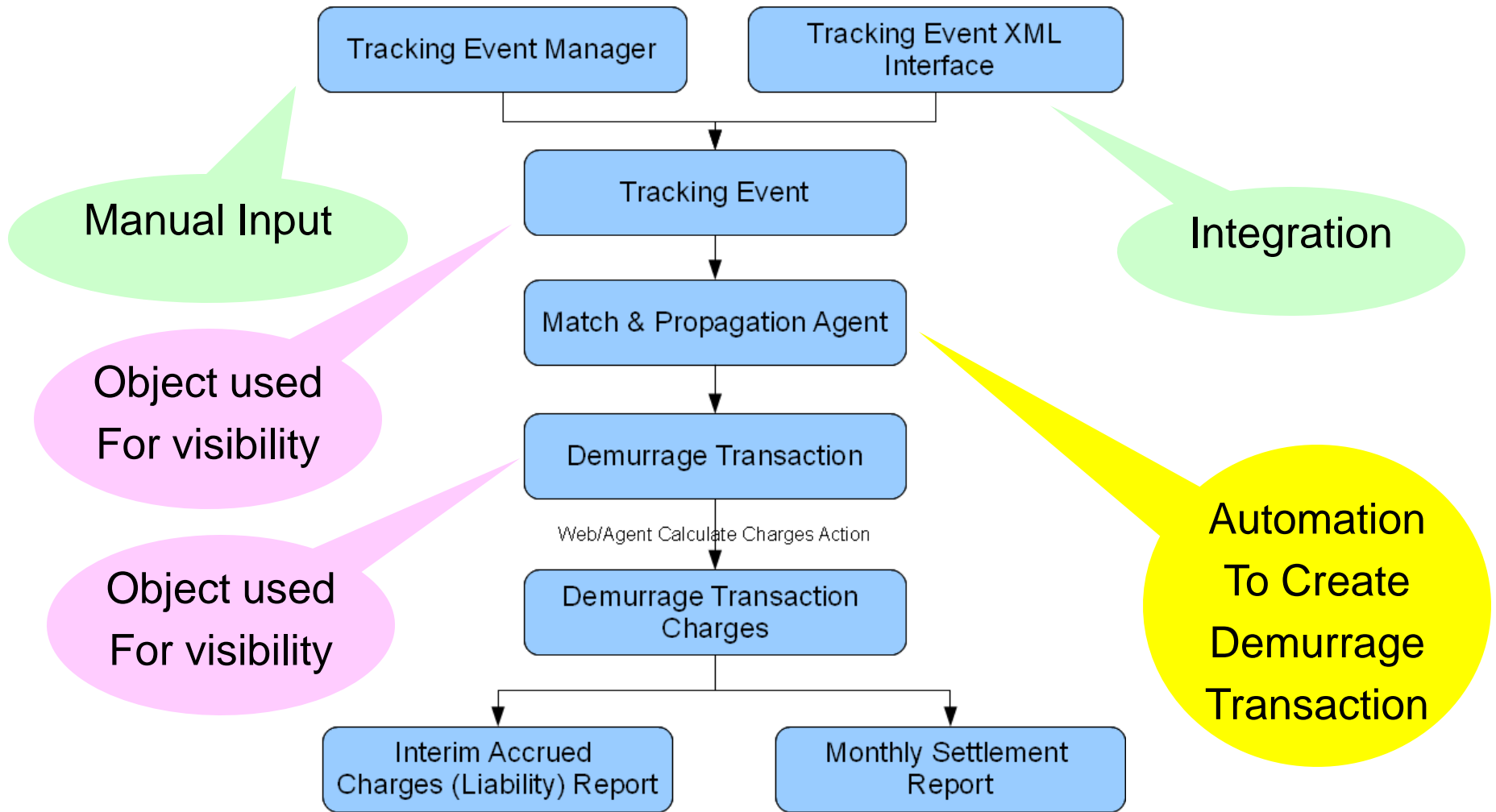
Executive Summary

- A scenario has been set up to represent a fictitious company that receives and ships by rail.
- The company has implemented the features in OTM that allow
 - Visibility to inbound and outbound rail traffic
 - On hand inventory at company locations as well as customer locations.
 - The ability to calculate demurrage for RR equipment where the company is paying demurrage
 - The ability to back charge suppliers who over-ship and bunch cars that cause excess demurrage.
 - The ability to charge customers who hold onto company rail equipment longer than is allowed in the contract

Scenario

- Chemical Company, Conway AR
 - Receives
 - Covered Hoppers of Salt
 - From Louisiana Salt Company, Breaux Bridge, LA
 - Tank Cars of Sulfuric Acid
 - From Riverside Acids, St Gabriel, LA
 - Box Cars Paper Bags
 - From El Dorado Paper Bag, El Dorado, AK
 - Ships
 - Covered Hoppers of Sodium Bisulphate
 - Nampa Food Processors, Nampa, ID
 - Tank Cars of Hydrochloric Acid
 - Green River Chemicals, Green River, WY

Demurrage Management Process Review



Inbound Visibility - Loads

- Pipeline of inbound raw materials.
 - Show sighting location and ETA
- Inventory In yard by product
 - Demurrage Transaction Query
- Demurrage for RR Box Cars
 - Chargeback to shipper for excess demurrage

Production Planner is interested in inbound pipeline.

Inbound Pipeline of Raw Material

Inbound Pipeline Total Found: 12 [New](#) [View](#) [Edit](#) [Delete](#) [Replace Current Window](#)

Pages 1 | Selected Page: 0 Total: 0 |

<input checked="" type="checkbox"/>	ID	Car Init N...	Event Code	Sighting Location	Sighting Date	R...	Car Destination	Item Name
<input type="checkbox"/>	BULLDOG.08949	LSCX5498	Z_ACT PLACE	CONWAY_AR	2013-09-17 08:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08948	LSCX5471	Z_ACT PLACE	CONWAY_AR	2013-09-17 08:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08947	LSCX5426	Z_ACT PLACE	CONWAY_AR	2013-09-17 08:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08951	LSCX5401	A_ARRIVAL	NORTH LITTLE RO...	2013-09-17 08:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08952	LSCX5416	A_ARRIVAL	NORTH LITTLE RO...	2013-09-17 08:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08950	LSCX5389	A_ARRIVAL	NORTH LITTLE RO...	2013-09-17 08:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08966	LSCX5361	P_DEPARTURE	HIGGINS_AR	2013-09-18 05:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08965	LSCX5284	P_DEPARTURE	HIGGINS_AR	2013-09-18 05:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08964	LSCX5260	P_DEPARTURE	HIGGINS_AR	2013-09-18 05:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08920	LSCX5223	A_ARRIVAL	LIVONIA_LA	2013-09-17 11:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08918	LSCX5173	A_ARRIVAL	LIVONIA_LA	2013-09-17 11:00 ...	UP	CONWAY_AR	SALT
<input type="checkbox"/>	BULLDOG.08919	LSCX5197	A_ARRIVAL	LIVONIA_LA	2013-09-17 11:00 ...	UP	CONWAY_AR	SALT

This is a Buy Shipment Screen Set results.

Inbound Pipeline of Raw Material

Inbound Pipeline Total Found: 12 New View Edit Delete Replace Current Window

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<input checked="" type="checkbox"/>	ID	Gross Weight	End Time ▲	Equipment	Shipper	Order Source
<input type="checkbox"/>	BULLDOG.08949	234,000.00 LB	2013-09-17 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08948	234,000.00 LB	2013-09-17 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08947	234,000.00 LB	2013-09-17 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08951	234,000.00 LB	2013-09-18 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08952	234,000.00 LB	2013-09-18 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08950	234,000.00 LB	2013-09-18 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08966	234,000.00 LB	2013-09-19 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08965	234,000.00 LB	2013-09-19 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08964	234,000.00 LB	2013-09-19 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08920	234,000.00 LB	2013-09-20 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08918	234,000.00 LB	2013-09-20 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...
<input type="checkbox"/>	BULLDOG.08919	234,000.00 LB	2013-09-20 08:00 ...	C112 286 3601	LOUISIANA SALT ...	LOUISIANA SALT ...

Additional columns – wide screen results.

How this was done

- A user-defined screen set was used to provide finder and results display capability to convey the pertinent information to the user.
- Information that is displayed comes from different sources.
 - Shipment Data is available since the query object is the “buy shipment”.
 - Order Data must be queried and brought to the shipment level. – The use of the flex fields is key to the success of the display since the data is copied by agent to the shipment during creation or update and the display does not have any embedded queries.
 - Query performance is much better with actual fields.

Example Agent to copy data to shipment flex fields.

Agent Header | Actions | Error Handler

[-] Top +

- ASSIGN VARIABLE: \$V_S_EQUIPMENT_GID, SHIPMENT_FIRST_EQUIPMENT_GID +
- ASSIGN VARIABLE: \$SHIPPER, SHIPPER +
- ASSIGN VARIABLE: \$CONSIGNEE, CONSIGNEE +
- ASSIGN VARIABLE: \$EQUIPMENT_INITIAL_NUMBER, EQUIPMENT_INITIAL_NUMBER +
- ASSIGN VARIABLE: \$ORDER_SOURCE_LOCATION, ORDER_SOURCE_LOCATION +
- ASSIGN VARIABLE: \$ORDER_DESTINATION_LOCATION, ORDER_DESTINATION_LOCATION +
- ASSIGN VARIABLE: \$SHIPMENT_FIRST_SU_THU, SHIPMENT_FIRST_SU_THU +
- ASSIGN VARIABLE: \$SHIPMENT_FIRST_SU_PACKAGED_ITEM, SHIPMENT_FIRST_SU_PACKAGED_ITEM +
- ASSIGN VARIABLE: \$SHIPMENT_FIRST_SU_ITEM_NAME, SHIPMENT_FIRST_SU_ITEM_NAME +
- DIRECT SQL UPDATE: SHIPMENT FLEX FIELDS UPDATE - 1 +
- DIRECT SQL UPDATE: SHIPMENT FLEX FIELDS UPDATE - 2 +
- SET STATUS: IN PIPELINE TRACE +





Saved Queries are used to populate Agent Variables which are fields in memory. The flex fields are updated by Direct SQL..

Inventory – Arrived – in Cars

Inventory Total Found: 12

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<input checked="" type="checkbox"/>	ID	Initial	Number	Inbound Item	Units	UOM	Source	Arrival Date
<input type="checkbox"/>	9332	LSCX	5426	SALT	117.000	BULK TON SALT	BULLDOG.LOUISIANA SALT C...	2013-09-17 06:0
<input type="checkbox"/>	9333	LSCX	5471	SALT	117.000	BULK TON SALT	BULLDOG.LOUISIANA SALT C...	2013-09-17 06:0
<input type="checkbox"/>	9334	LSCX	5498	SALT	117.000	BULK TON SALT	BULLDOG.LOUISIANA SALT C...	2013-09-17 06:0
<input type="checkbox"/>	9335	GATX	6202	SULFURIC ACID	13500.000	GAL OF ACID	BULLDOG.RIVERSIDE ACIDS	2013-09-17 06:0
<input type="checkbox"/>	9336	GATX	6206	SULFURIC ACID	13500.000	GAL OF ACID	BULLDOG.RIVERSIDE ACIDS	2013-09-17 06:0
<input type="checkbox"/>	9337	GATX	6215	SULFURIC ACID	13500.000	GAL OF ACID	BULLDOG.RIVERSIDE ACIDS	2013-09-17 06:0
<input type="checkbox"/>	9338	UP	362012	PAPER BAGS	78.000	BALE	BULLDOG.EL DORADO PAPER...	2013-09-17 06:0
<input type="checkbox"/>	9339	UP	362013	PAPER BAGS	78.000	BALE	BULLDOG.EL DORADO PAPER...	2013-09-17 06:0
<input type="checkbox"/>	9340	UP	362021	PAPER BAGS	78.000	BALE	BULLDOG.EL DORADO PAPER...	2013-09-13 06:0
<input type="checkbox"/>	9341	UP	362040	PAPER BAGS	78.000	BALE	BULLDOG.EL DORADO PAPER...	2013-09-13 06:0
<input type="checkbox"/>	9342	UP	362043	PAPER BAGS	78.000	BALE	BULLDOG.EL DORADO PAPER...	2013-09-13 06:0
<input type="checkbox"/>	9343	UP	362067	PAPER BAGS	78.000	BALE	BULLDOG.EL DORADO PAPER...	2013-09-13 06:0

This is a Demurrage Transaction Screen Set.

How this was done

- This screen set is a Demurrage Transaction Screen set.
- The population of data is based on events and agent actions. All of the data elements are on the object.
- The Demurrage Transaction is a permanent inventory.
 - The user is now able to use status values to filter results.
 - This allows the user to create displays for
 - Cars that are currently On Hand – Loaded and Empty
 - Cars that are On Hand – Loaded but not emptied.
 - Cars that are Constructively Placed – outside the plant.
 - A history of cars at a location by arrival and departure dates.



Agent Actions to Create/Update the Demurrage Transaction

The screenshot displays a hierarchical list of agent actions. Each action is represented by a folder icon, a text label, and three small icons: a pencil (edit), a trash can (delete), and a plus sign (add). The actions are organized into a tree structure with expandable/collapsible folders.

- Top +
 - ASSIGN VARIABLE: \$LOCATION_GID, RAIL STATION LOCATION BY SPLC
 - UPDATE LOCATION ON TRACKING EVENT
 - ASSIGN VARIABLE: \$DESTINATION_LOCATION_GID, DESTINATION RAIL STATION LOCATION BY SPLC
 - UPDATE LOCATION ON TRACKING EVENT
 - MATCH EQUIPMENT: By Equipment ID
 - (TRACKING EVENT TO EQUIPMENT) UPDATE SIGHTING
 - MATCH SHIPMENT: By Saved Query
 - ASSIGN VARIABLE: \$SHIPMENTGID, RULE-11-SHIPMENT
 - ASSIGN VARIABLE: \$SHIPMENT_SIGHTING_CAR_DESTINATION_LOCATION, SHIPMENT_SIGHTING_CAR_DESTINATION_LOCATION
 - ASSIGN VARIABLE: \$SHIPMENT_SIGHTING_STATUS_CODE, SHIPMENT_SIGHTING_STATUS_CODE
 - ASSIGN VARIABLE: \$SHIPMENT_SIGHTING_RR_REPORTING_SCAC, SHIPMENT_SIGHTING_RR_REPORTING_SCAC
 - (TRACKING EVENT TO SHIPMENT) UPDATE SIGHTING
 - MATCH DEMURRAGE TRANSACTION
- IF: CAR IS LOADED
 - CREATE/UPDATE DEMURRAGE TRANSACTION
 - (TRACKING EVENT TO SHIPMENT) SET STATUS: IN PIPELINE TRACE
 - (TRACKING EVENT TO SHIPMENT) DIRECT SQL UPDATE: SHIPMENT FLEX FIELDS UPDATE - 3
- ELSE
 - CREATE/UPDATE DEMURRAGE TRANSACTION
 - (TRACKING EVENT TO SHIPMENT) SET STATUS: NOT IN PIPELINE TRACE
 - (TRACKING EVENT TO DEMURRAGE TRANSACTION) SET STATUS: DT_EQUIP_CLEANLINESS_UNINSPECTED
 - (TRACKING EVENT TO DEMURRAGE TRANSACTION) SET STATUS: DT_EQUIP_MECHANICAL_NOT INSPECTED
- ENDIF
 - (TRACKING EVENT TO DEMURRAGE TRANSACTION) SET INTERNAL STATUS: DT_TRANSACTION_STARTED


Demurrage for Paper Bags

Reporting SCAC Code	UP		Location ID / SPLC		BULLDOG.CONWAY_AR / BULLDOG.607583								
Equipment Type ID	BULLDOG.A436 EQ BOX 50 FT XL PLUG DOOR		City / State / Country		CONWAY / AR / USA								
Activity Type ID	LOAD_TO_EMPTY		Special Service ID		DEMURRAGE								
Inbound STCC ID	BULLDOG.2643190		Outbound STCC ID										
Inbound User Defined Commodity ID			Outbound User Defined Commodity ID										
Equipment		Dates						Days					
Initial	Number	Arrive	Con Place	Order In	Act Place	Want	Order Out	Release	Pull	Dwell Days	Credit Days	Debit Days	Cost
UP	362040				2013-09-13 20:00:00			2013-09-15 18:00:00		2.00	2.00	0.00	0.00
UP	362043				2013-09-13 20:00:00			2013-09-16 18:00:00		3.00	2.00	1.00	100.00
UP	362067				2013-09-13 20:00:00			2013-09-17 18:00:00		4.00	2.00	2.00	200.00
Total	3									9.00	6.00	3.00	300.00

Header	Events	Line Items	Remarks	Shipment Info				
Demurrage Rule ID								
EL DORADO PAPER BACKCHARGE								
Sequence Number	Special Service ID	Dwell Days	Credit Days	Debit Days	Charge As	Charge Shipment ID	Cost	
3	DEMURRAGE_BACKCHARGE	4.00	3.00	1.00	Sell NFRC Shipment	09001	105.00 USD	<input checked="" type="checkbox"/>  
4	DEMURRAGE	4.00	2.00	2.00	Buy NFRC Shipment	09002	200.00 USD	<input checked="" type="checkbox"/>  

Charges to Shipper for Excess Demurrage

Reporting SCAC Code	UP		Location ID / SPLC	BULLDOG.CONWAY_AR / BULLDOG.607583									
Equipment Type ID	BULLDOG.A436 EQ BOX 50 FT XL PLUG DOOR		City / State / Country	CONWAY / AR / USA									
Activity Type ID	LOAD_TO_EMPTY		Special Service ID	BULLDOG.DEMURRAGE_BACKCHARGE									
Inbound STCC ID	BULLDOG.2643190		Outbound STCC ID										
Inbound User Defined Commodity ID			Outbound User Defined Commodity ID										
Equipment		Dates							Days				
Initial	Number	Arrive	Con Place	Order In	Act Place	Want	Order Out	Release	Pull	Dwell Days	Credit Days	Debit Days	Cost
UP	362040				2013-09-13 20:00:00			2013-09-15 18:00:00		2.00	3.00	0.00	0.00
UP	362043				2013-09-13 20:00:00			2013-09-16 18:00:00		3.00	3.00	0.00	0.00
UP	362067				2013-09-13 20:00:00			2013-09-17 18:00:00		4.00	3.00	1.00	105.00
Total	3									9.00	9.00	1.00	105.00


Header	Events	Line Items	Remarks	Shipment Info				
Demurrage Rule ID								
EL DORADO PAPER BACKCHARGE								
Sequence Number	Special Service ID	Dwell Days	Credit Days	Debit Days	Charge As	Charge Shipment ID	Cost	
3	DEMURRAGE_BACKCHARGE	4.00	3.00	1.00	Sell NFRC Shipment	09001	105.00 USD	<input checked="" type="checkbox"/>  
4	DEMURRAGE	4.00	2.00	2.00	Buy NFRC Shipment	09002	200.00 USD	<input checked="" type="checkbox"/>  

How this was done

- The demurrage feature in 6.3 not only creates the Demurrage Inventory record, it allows the user to set up rules to calculate charges based on the residency time of the car at any location.
- Agents that listen for specific events have a workflow that creates or updates the demurrage transaction.
 - This means that OTM will create inventory records at both shipper and consignee locations automatically.
- Agents also append information such as shipment information to the demurrage transaction record so that the record can be queried and viewed with the business purpose in mind.
- Financial users can also access the Demurrage Transactions to initiate the calculation of charges and the creation of reports.

User Actions to Calculate Charges

Demurrage Transaction Total Found: 53 [New](#) [View](#) [Edit](#) [Delete](#) [Actions](#) [Replace Current Wind](#)

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<input checked="" type="checkbox"/>	ID	Reporting SCAC	Location ID	City
<input checked="" type="checkbox"/>	9333	UP	CONWAY_AR	CONWAY
<input checked="" type="checkbox"/>	9336	UP	CONWAY_AR	CONWAY





Actions

- Calculate Charges
- Change Reference Numbers
- Recalculate Charges
- Set Event Status

Utilities

- Change External Status
- Mark for Purge
- Send Interface Transmission

- 1) Select Records
- 2) Initiate actions
- 3) Line Item TAB shows results

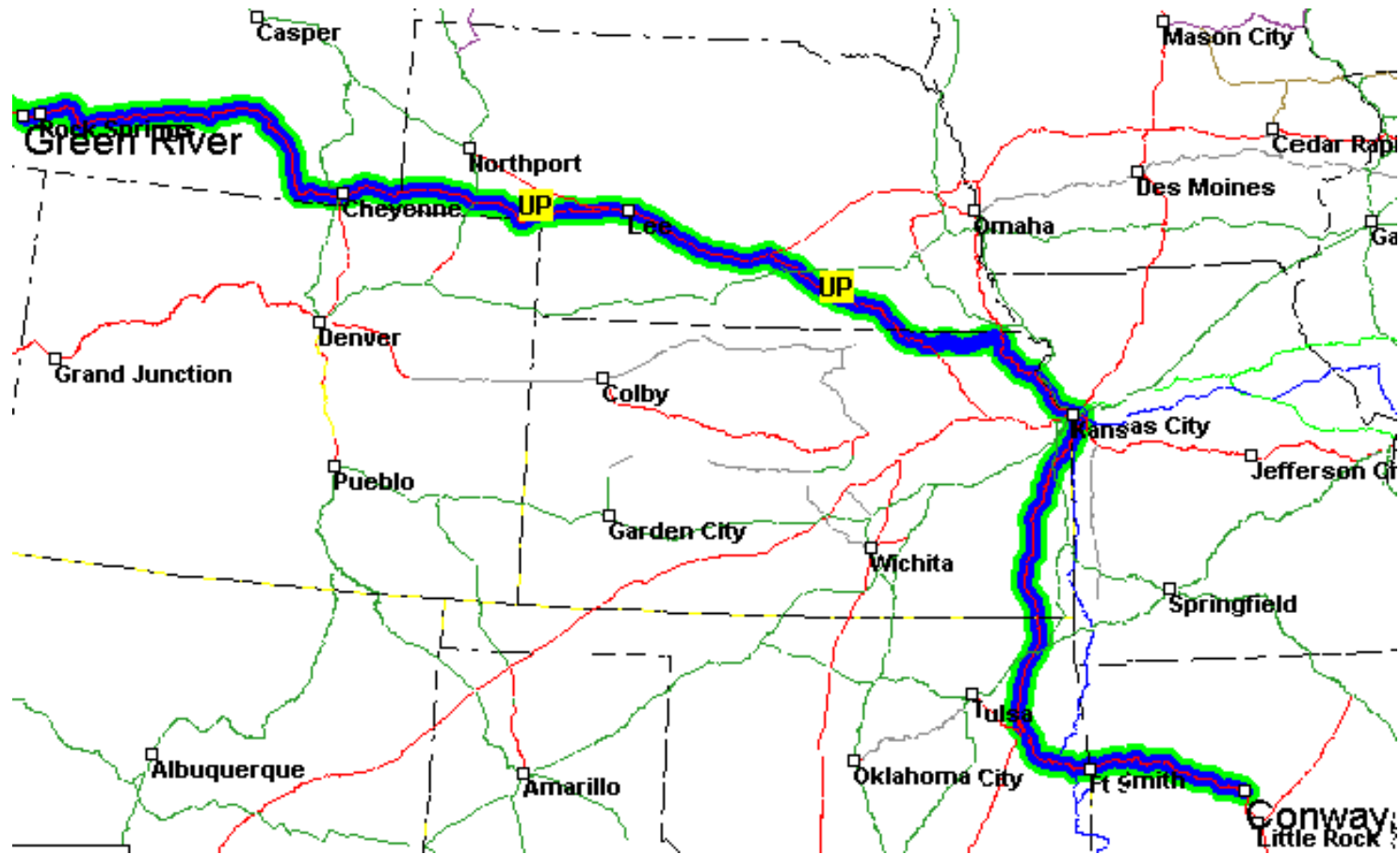
Header	Events	Line Items	Remarks	Shipment Info				
Demurrage Rule ID								
<u>EL DORADO PAPER BACKCHARGE</u>								
Sequence Number	Special Service ID	Dwell Days	Credit Days	Debit Days	Charge As	Charge Shipment ID	Cost	
3	DEMURRAGE_BACKCHARGE	4.00	3.00	1.00	Sell NFRC Shipment	09001	105.00 USD	<input checked="" type="checkbox"/>  
4	DEMURRAGE	4.00	2.00	2.00	Buy NFRC Shipment	09002	200.00 USD	<input checked="" type="checkbox"/>  

Outbound Visibility - Loads

- Pipeline of outbound finished products
 - Show sighting location and ETA
- Inventory at customer by product
 - Demurrage Transaction Query
- Demurrage (Detention) for cars that are owned or leased by Chemical Company that are trip-leased to customers for storage while being unloaded.

Customer Service Representative is interested in Outbound Pipeline.

Route of Shipment



Outbound Pipeline to Customer in Nampa, ID

Outbound Pipeline Total Found: 12

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<input checked="" type="checkbox"/>	ID	Car Init N...	Event Code	Sighting Location	Sighting Date	RR SC...	Car Destination
<input type="checkbox"/>	BULLDOG.08973	TCCX3011	Z_ACT PLACE	NAMPA_ID	2013-09-16 07:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08974	TCCX3005	Z_ACT PLACE	NAMPA_ID	2013-09-17 06:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08975	TCCX3007	Z_ACT PLACE	NAMPA_ID	2013-09-17 07:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08976	TCCX3003	P_DEPARTURE	PERU_WY	2013-09-18 01:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08977	TCCX3010	Z_ACT PLACE	NAMPA_ID	2013-09-16 07:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08978	TCCX3000	A_ARRIVAL	NORTH LITTLE RO...	2013-09-18 03:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08979	TCCX3002	P_DEPARTURE	OFALLONS_NE	2013-09-18 05:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08980	TCCX3006	Z_ACT PLACE	NAMPA_ID	2013-09-16 06:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08981	TCCX3001	P_DEPARTURE	COFFEYVILLE KS	2013-09-18 04:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08982	TCCX3008	Z_ACT PLACE	NAMPA_ID	2013-09-17 07:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08983	TCCX3004	Z_ACT PLACE	NAMPA_ID	2013-09-18 06:00 ...	UP	NAMPA_ID
<input type="checkbox"/>	BULLDOG.08984	TCCX3009	Z_ACT PLACE	NAMPA_ID	2013-09-16 07:00 ...	UP	NAMPA_ID

This is a Buy Shipment Screen Set results.

Outbound Pipeline to Customer in Nampa, ID

Outbound Pipeline Total Found: 12

[New](#) [View](#) [Edit](#) [Delete](#)

Replace Current Window






Pages 1 | Selected Page: 0 Total: 0 |

<input checked="" type="checkbox"/>	ID	Item Name	Gross Weight	End Time	Equipment	Consignee	Order Destinal
<input type="checkbox"/>	BULLDOG.08973	SODIUM BISULFATE	202,000.00 LB	2013-09-12 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08974	SODIUM BISULFATE	202,000.00 LB	2013-09-18 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08975	SODIUM BISULFATE	202,000.00 LB	2013-09-16 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08976	SODIUM BISULFATE	202,000.00 LB	2013-09-19 05:59...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08977	SODIUM BISULFATE	202,000.00 LB	2013-09-13 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08978	SODIUM BISULFATE	202,000.00 LB	2013-09-23 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08979	SODIUM BISULFATE	202,000.00 LB	2013-09-20 06:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08980	SODIUM BISULFATE	202,000.00 LB	2013-09-17 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08981	SODIUM BISULFATE	202,000.00 LB	2013-09-22 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08982	SODIUM BISULFATE	202,000.00 LB	2013-09-15 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08983	SODIUM BISULFATE	202,000.00 LB	2013-09-19 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR
<input type="checkbox"/>	BULLDOG.08984	SODIUM BISULFATE	202,000.00 LB	2013-09-14 04:00...	C111 263 2700	NAMPA FOOD PRO...	NAMPA FOOD PR

This display is similar to the Inbound display.
The Shipper on Order Source have been replaced by the Consignee and Order Destination.

Inventory at Nampa Customer

Inventory Total Found: 8 New View Edit Delete Replace Current Window

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<input checked="" type="checkbox"/>	ID	Initial	Number	Inbound Item	Units	UOM	Source	Arrival Date
<input type="checkbox"/>	9360	TCCX	3004	SODIUM BISULFATE	101.000	BULK TON SALT	BULLDOG.THE CHEMICAL CO...	2013-09-18 05:0
<input type="checkbox"/>	9361	TCCX	3005	SODIUM BISULFATE	101.000	BULK TON SALT	BULLDOG.THE CHEMICAL CO...	2013-09-17 05:0
<input type="checkbox"/>	9362	TCCX	3006	SODIUM BISULFATE	101.000	BULK TON SALT	BULLDOG.THE CHEMICAL CO...	2013-09-16 05:0
<input type="checkbox"/>	9363	TCCX	3007	SODIUM BISULFATE	101.000	BULK TON SALT	BULLDOG.THE CHEMICAL CO...	2013-09-15 05:0
<input type="checkbox"/>	9364	TCCX	3008	SODIUM BISULFATE	101.000	BULK TON SALT	BULLDOG.THE CHEMICAL CO...	2013-09-14 05:0
<input type="checkbox"/>	9365	TCCX	3009	SODIUM BISULFATE	101.000	BULK TON SALT	BULLDOG.THE CHEMICAL CO...	2013-09-13 05:0
<input type="checkbox"/>	9366	TCCX	3010	SODIUM BISULFATE	101.000	BULK TON SALT	BULLDOG.THE CHEMICAL CO...	2013-09-12 05:0
<input type="checkbox"/>	9367	TCCX	3011	SODIUM BISULFATE	101.000	BULK TON SALT	BULLDOG.THE CHEMICAL CO...	2013-09-11 05:0

Choices



Inventory History - Status of Arrived and Released

Current Inventory – Status of Arrived but not Released

This is a Demurrage Transaction Screen Set.

Charges to Customer for Excess Detention

Reporting SCAC Code		UP				Location ID / SPLC				BULLDOG.NAMPA_ID / BULLDOG.839167			
Equipment Type ID						City / State / Country				NAMPA / ID / USA			
Activity Type ID		LOAD_TO_EMPTY				Special Service ID				DETENTION			
Inbound STCC ID		BULLDOG.2812340				Outbound STCC ID							
Inbound User Defined Commodity ID						Outbound User Defined Commodity ID							
Equipment		Dates								Days			
Initial	Number	Arrive	Con Place	Order In	Act Place	Want	Order Out	Release	Pull	Dwell Days	Credit Days	Debit Days	Cost
TCCX	3009				2013-09-13 06:00:00			2013-09-16 19:00:00		5.00	4.00	1.00	200.00
TCCX	3010				2013-09-12 06:00:00			2013-09-16 19:00:00		6.00	4.00	2.00	400.00
TCCX	3011				2013-09-11 06:00:00			2013-09-16 19:00:00		7.00	4.00	3.00	600.00
TCCX	3008				2013-09-14 06:00:00			2013-09-17 19:00:00		5.00	4.00	1.00	200.00
TCCX	3007				2013-09-15 06:00:00			2013-09-17 19:00:00		4.00	4.00	0.00	0.00
Total	5									27.00	20.00	7.00	1400.00

Demurrage Rule ID												
CHEM CO SODIUM BI - NAMPA												
Sequence Number	Special Service ID	Dwell Days	Credit Days	Debit Days	Charge As	Charge Shipment ID	Cost					
1	DETENTION	6.00	4.00	2.00	Sell NFRC Shipment	09007	400.00 USD					 

Inbound Visibility - Empty Cars

- Pipeline of shipper managed empty cars returning
 - By product assignment
- Inventory of empty cars on hand
 - By last product contained
- Demurrage for Empty RR Controlled Cars for Loading

Empty Rail Equipment

Empty Rail Equipment Total Found: 4

[New](#) [View](#) [Edit](#) [Delete](#)

[Replace Current Window](#)

Pages 1 | Selected Page: 0 Total: 0 |

<input checked="" type="checkbox"/>	ID	Initial/Number	AAR Ca...	Sighting Location	Sighting Date	Product Assign...
<input type="checkbox"/>	BULLDOG.TCCX3015	TCCX3015	C111	COFFEYVILLE KS	2013-09-18 09:00 PM A...	SODIUM BISULFATE
<input type="checkbox"/>	BULLDOG.TCCX3018	TCCX3018	C111	RAWLINS WY	2013-09-18 02:00 PM A...	SODIUM BISULFATE
<input type="checkbox"/>	BULLDOG.TCCX3024	TCCX3024	C111	RAWLINS WY	2013-09-18 02:00 PM A...	SODIUM BISULFATE
<input type="checkbox"/>	BULLDOG.TCCX3025	TCCX3025	C111	COFFEYVILLE KS	2013-09-18 09:00 PM A...	SODIUM BISULFATE

This list is based on the Equipment Table. It is only for assets that are owned or leased that the user controls.

The user will determine which cars are empty by setting a status value to Empty for selected events.

(Empty Release, Pull, Pass, Arrive but not placement)

The user will determine which cars are loaded by setting the status value to Load for certain events.

(Load Release but not any others.)

This is an Equipment Screen Set.

Empty Cars on Hand

EMPTY INVENTORY Total Found: 6 New View Edit Delete Actions Replace Current Window

Pages 1 | Selected Page: 0 Total: 0

<input checked="" type="checkbox"/>	ID	Initial	Number	Last Product Loa...	Cleanliness	Mechanical	City
<input type="checkbox"/>	9372	TCCX	3014	SODIUM BISULFATE	DT_EQUIP_CLEANLINESS_UNINS...	DT_EQUIP_MECHANICAL_NOT I...	CONWAY
<input type="checkbox"/>	9373	TCCX	3031	SODIUM BISULFATE	DT_EQUIP_CLEANLINESS_UNINS...	DT_EQUIP_MECHANICAL_NOT I...	CONWAY
<input type="checkbox"/>	9374	TCCX	3021	SODIUM BISULFATE	DT_EQUIP_CLEANLINESS_UNINS...	DT_EQUIP_MECHANICAL_NOT I...	CONWAY
<input type="checkbox"/>	9392	TCCX	3027	SODIUM BISULFATE	DT_EQUIP_CLEANLINESS_UNINS...	DT_EQUIP_MECHANICAL_NOT I...	CONWAY
<input type="checkbox"/>	9393	TCCX	3028	SODIUM BISULFATE	DT_EQUIP_CLEANLINESS_UNINS...	DT_EQUIP_MECHANICAL_NOT I...	CONWAY
<input type="checkbox"/>	9394	TCCX	3035	SODIUM BISULFATE	DT_EQUIP_CLEANLINESS_UNINS...	DT_EQUIP_MECHANICAL_NOT I...	CONWAY

The screen set setup uses a Default Criteria as a filter.

Screen Set 1 of 1 New Finished Copy Screen Set

Identification Search Default Criteria Results Recently Viewed Tree Actions SmartLinks General

Criteria

Column Save

Start Event Is Loaded eq N

This is a Demurrage Transaction Screen Set.

Configuration

- Screen Sets
- Menu Manager
- External Status
- Action to Change External Status
- Action to Send Interface Transmission

User Configuration for Screens



Configuration and Administration

User Configuration

Flex Field Definition

Screen Set Manager

Manager Layout

Allows Users to customize Menu Items to display Information to Support business.

Screen Set

1 of 1

Identification	Search	Default Criteria	Results	Recently Viewed	Tree	Actions	SmartLinks	General
* ID Column Width		Records Per Page (Default: 25)						
<input type="text" value="100"/>		<input type="text"/>						
* Sequence Number	* Column	Label ID						
<input type="text"/>	<input type="text"/>	<input type="text"/>						
1	Car Init Number	Car Init Number						
2	Event Code	Event Code						
3	Sighting Location	Sighting Location						
4	Sighting Date	Sighting Date						
5	RR SCAC	RR SCAC						

Menu Manager

Menu Editor

* **User Menu ID**
PIPELINE

Display Alphabetically

Top

- Inventory
- Inbound Pipeline
- Outbound Pipeline

Allows Users to customize Menu Items to display Information to Support business.

ORACLE LOGISTICS Version 6.3.2

Inventory
Inbound Pipeline
Outbound Pipeline

Inventory Finder

location

External Status on Demurrage Transaction

- Set a state upon arrival
 - Uninspected
- After car is inspected
 - Set state to inspected, dirty, rejected, etc

Cleanliness Status

Status Type

1 of 1 [New](#) [Finished](#)

* Status Type ID DT_EQUIP_CLEANLINESS		* Sequence <input type="text" value="1"/>		
* Object Type DEMURRAGE TRANSACTION		Domain Name BULLDOG		
Description <input type="text" value="EQUIPMENT CLEANLINESS"/>				
<input type="checkbox"/> Status Values				
* Sequence	* Status Value ID	Description	Initial Value	Save
6	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	
1	DT_EQUIP_CLEANLINESS_UNINSPECTED	EQUIP_CLEANLINESS_UNINSPECTED		
2	DT_EQUIP_CLEANLINESS_CLEAN AS ARRIVED	EQUIP_CLEANLINESS_CLEAN AS ARRIVED		
3	DT_EQUIP_CLEANLINESS_DIRTY AS ARRIVED	EQUIP_CLEANLINESS_DIRTY AS ARRIVED		
4	DT_EQUIP_CLEANLINESS_CLEANED AT PLANT	EQUIP_CLEANLINESS_CLEANED AT PLANT		
5	DT_EQUIP_CLEANLINESS_REJECTED	EQUIP_CLEANLINESS_REJECTED		

Mechanical Status

Status Type

1 of 1 [New](#) [Finished](#)

* Status Type ID

DT_EQUIP_MECHANICAL

* Sequence

* Object Type

DEMURRAGE TRANSACTION

Domain Name

BULLDOG


Description

Status Values

* Sequence	* Status Value ID	Description	Initial Value	Save
6	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="button" value="Save"/>
1	DT_EQUIP_MECHANICAL_NOT INSPECTED	EQUIP_MECHANICAL_NOT INSPECTED	<input checked="" type="checkbox"/>	
2	DT_EQUIP_MECHANICAL_OK AS ARRIVED	EQUIP_MECHANICAL_OK AS ARRIVED	<input type="checkbox"/>	
3	DT_EQUIP_MECHANICAL_OK AS REPAIRED	EQUIP_MECHANICAL_OK AS REPAIRED	<input type="checkbox"/>	
4	DT_EQUIP_MECHANICAL_NEEDS REPAIR	EQUIP_MECHANICAL_NEEDS REPAIR	<input type="checkbox"/>	
5	DT_EQUIP_MECHANICAL_REJECTED	EQUIP_MECHANICAL_REJECTED	<input type="checkbox"/>	

Action to Change External Status

Actions available for Demurrage Transaction



Actions 

- Calculate Charges
- Change Reference Numbers
- Recalculate Charges
- Set Event Status
- Utilities
 - Change External Status
 - Mark for Purge
 - Send Interface Transmission

Change External Status – Choices of Status Types

Change External Status

* External Status and Value



 

DT_APPROVAL
DT_EQUIP_CLEANLINESS
DT_EQUIP_MECHANICAL
LORE
PLACEMENT

Example of Load or Empty (LORE)

Change External Status

* External Status and Value



LORE  

INBOUND EMPTY
INBOUND LOAD
OUTBOUND EMPTY
OUTBOUND LOAD
UNKNOWN
UNLOADED

Example of Placement Status Type

Change External Status

* External Status and Value

PLACEMENT  

ACT PLACED
CON PLACED
NOT PLACED
ORDERED IN
ORDERED OUT
PULLED

Summary

- In this presentation users have learned to
 - Use Screen Sets and the Menu Manager to customize the display of information for visibility.
 - Customize the Buy Shipment Results to create a Pipeline of inbound or outbound rail cars.
 - Customize the Demurrage Transaction Results to display inventory at their facilities and at customer facilities.
 - How to use Demurrage to
 - Evaluate and Pay RR charges that are due
 - Create back-charges for shippers who over-ship
 - Create charges for customers who hang onto shipper controlled assets after the allowed time for unloading.