PETRINEX
CANADA'S PETROLEUM INFORMATION NETWORK

JOB AID

EDIT/VALIDATION RULES RELATED TO ALBERTA, SASKATCHEWAN AND BRITISH COLUMBIA WASTE PLANT DATA SUBMISSIONS IN PETRINEX

Updated December 2018

EDIT/VALIDATION RULES RELATED TO
ALBERTA AND SASKATCHEWAN
WASTE PLANT DATA SUBMISSIONS IN PETRINEX

Table of Contents

1. EDITS

Edits are the business rules that are applied to information submitted to Petrinex.

The jurisdiction is left blank to indicate all jurisdictions.

Cross-border Receiving Jurisdiction Edits are edits which are validated in the receiving jurisdiction in a cross-border submission activity, and will generate a "Validation Results WP Cross-border" notification to the originating operator.

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
Facility ID			Must be an 11-digit, alphanumeric identifier.	Error	Reported facility ID [value] is not a valid facility in Petrinex.	WPR001
Facility ID			First and second characters of id must be that of the logged in jurisdiction.	Error	Reported facility ID [value] is not a valid facility for waste plant submission. First and second characters of id must be [value].	WPR002
Facility ID			Must be a valid facility ID in Petrinex.	Error	Reported facility ID [value] is not a valid facility in Petrinex.	WPR001
Facility ID			Third and fourth characters of id must be one of the reporting facility types (currently WP).	Error	Reported facility ID [value] is not a valid facility for waste plant submission.	WPR003
Facility ID			This is the generic security error message, created when an event arises which is not covered by any of the following security related error messages.	Error	Access is denied for facility ID [value]. Consult your organization's security administrator (USA).	WPR004
Facility ID			Must be a valid facility associated with the BA as per infrastructure, for the production year month, or if BA has authority to do prior period amendment.	Error	Access denied. You are not identified as the operator of facility [value].	WPR005

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
Facility ID			Facility operational status must be "Active" or "Suspended" to make a waste plant submission. A waste plant with any other status ("Abandoned", for example) is not allowed to make a waste plant submission.	Error	Reported facility ID [value] does not have a valid operational status [value] for waste plant submission.	WPR006
Facility ID	AB		If the facility operator's BA status is 'amalgamated' or 'amalgamated/continued out' the production month must be less than or equal to the 'established date'.	Error	The facility BA [BAId] is no longer valid. It has been amalgamated. The new id is [New BAId].	WPR007
Facility ID	SK/BC		If the facility operator's BA status is 'amalgamated the production month must be less than or equal to the 'established date'.	Error	The facility BA [BAId] is no longer valid. It has been amalgamated. The new id is [New BAId].	WPR007
Facility ID			For on-line and batch submission: Must be a valid facility associated with the user ID as per security.	Error	Access denied. You are not authorized for facility [value]. Please consult your organization's security administrator (USA).	WPR008
Production month			Cannot be blank.	Error	Production month cannot be blank	WPR009
Production month			Must be a 6-digit numeric field. May be entered as YYYYM, but will be converted to 6 digits.	Error	Production month [value] is not valid, format should be YYYY-MM.	WPR010
Production month			Must be reported as YYYYMM. This means it must be reported with year element first, as 4 digits.	Error	Production month [value] is not valid, format should be YYYY-MM.	WPR010
Production month			Must be a valid date (year month).	Error	Production month [value] is not valid, format should be YYYY-MM.	WPR010
Production month			Must be less than the current calendar month.	Error	Submission month [value] cannot be greater than the current production month.	WPR011
Production month			If production month is prior to Waste Plant Submission implementation, then Petrinex will reject the submission.	Error	Production month [value] is prior to the implementation of Waste Plant Submissions in Petrinex. Contact the AER for submission	WPR012

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
					procedures.	
Amendment Seq No.			Online Query: Must be valid numeric value	Error	Amendment number [value] is not valid.	WPR040
Activity			Cannot be blank.	Error	Activity cannot be blank.	WPR013
Activity			The activity must be valid for waste plant reporting (see Appendix G)	Error	Activity [value] is not valid for waste plant reporting.	WPR014
Activity			The combination of activity, waste code, from/to identifier, and N/D flag must be unique for a reporting waste plant facility and production month.	Error	Activity [value], waste code [value], from/to identifier [value] and N/D flag [value] have been reported multiple times for this reporting facility and production month.	WPR015
Activity			**Activity INVCL:** Not valid if the submitting waste plant facility in the following production month has a status which is not 'active' ('active' meaning "Active" or "Suspended").	Error	Submitting facility [value] has an operational status of [value] for production month [value], therefore INVCL cannot be reported for production month [value].	WPR016
Activity			**Activity INVCL:** Is only valid when waste code field and from/to field are blank.	Error	Waste Code and From/To must be blank when Activity is INVCL.	WPR017
Activity			**Activity INVCL:** Not valid if the submitting waste plant facility in the following production month has a SHUTIN activity reported.	Error	Submitting facility [value] has a SHUTIN activity present for production month [value], activity [value] cannot be reported.	WPR018
Activity		Yes	**Activity REC/DISP:** Not valid if the from/to Petrinex reporting facility in the reported production month has a facility-level SHUTIN activity reported.	Error	From/To facility [value] has a facility-level SHUTIN activity present for production month [value], activity [value] cannot be reported.	WPR019
Activity			**Activity SHUTIN:** If a waste plant facility has opening inventory (INVOP) reported for the month, activity SHUTIN cannot be reported.	Error	Submitting facility [value] has opening inventory reported, activity [value] cannot be	WPR020

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
					reported.	
Activity			**Activity SHUTIN:** The submitting waste plant facility cannot report other activity rows when reporting a SHUTIN record. It must be the only record in the submission.	Error	Activity [value] cannot be reported, as there are other activities reported.	WPR021
Activity			**Activity SHUTIN:** The submitting waste plant facility cannot report any other column values for a SHUTIN activity. From/To, Waste Code, N/D, Oil, Water, Solids and Gas must be blank.	Error	Activity [value] cannot be reported with values in other columns.	WPR022
Waste Code			Must be a valid Waste Code (see Appendix F)	Error	Waste code [value] is not valid.	WPR023
Waste Code			Must be a valid waste code for the activity (see Appendix H).	Error	Waste code [value] is not valid for activity [value].	WPR024
Waste Code	AB/BC		A Waste Plant reporting a REC from 1) Out of province well locations, 2) A refinery. may only report a waste code of NONOFD.	Error	Waste code [value] is not valid for activity [value] and from/to [value].	WPR041
Waste Code	SK		A Waste Plant reporting a REC from a refinery (RF) may only report a waste code of NONOFD.	Error	Waste code [value] is not valid for activity [value] and from/to [value].	WPR041
Waste Code			A disposition with a waste code of MNFCTR, may only be made to a Waste Location (WL) from/to facility.	Error	Waste code [value] is not valid for activity [value] and from/to [value].	WPR041
Waste Code			A Waste Plant reporting a REC from another Waste Plant (WP) may only report a waste code of WASTE.	Error	Waste code [value] is not valid for activity [value] and from/to [value].	WPR041
Waste Code			At a "Suspended" reporting waste plant facility, the only valid waste code for a receipt is FSHWTR.	Error	Waste code [value] is not valid for a "Suspended" waste plant facility.	WPR039

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
Waste Code			A waste code has been replaced with another waste code since pre-defined effective date.	Error	Waste code [value] should be replaced with [value] for the production month.	WPR043
Waste Code	AB		Only waste code FSHWTR should be allowed for Water Source Facility (ABWS) delivering to Waste Plants	Error	Waste code [value] is not valid for activity [value] and from/to [value].	WPR041
Waste Code	BC		Only waste code WATER should be allowed for Water Source Facility (BCWS) delivering to Waste Plants	Error	Waste code [value] is not valid for activity [value] and from/to [value].	WPR041
Waste Code	SK		Only waste code FSHWTR should be allowed for Surface Water Source Facility (SKWS) delivering to Waste Plants. Only waste code FSHWTR should be allowed for Fresh Water Source Facility (SKWT subtype 907) delivering to Waste Plants. Only waste code WATER should be allowed for Formation Water Source Facility (SKWT subtype 906) delivering to Waste Plants.	Error	Waste code [value] is not valid for activity [value] and from/to [value].	WPR041
Waste Code	AB		If the REC will be reported for product water or solids from a Run Off Water (AB RO) facility, the waste code must be FSHWTR or CWATER. REC for products Gas or Oil cannot be reported when waste code is FSHWTR from a Run Off Water (AB RO) facility. REC for product Gas cannot be reported when waste code is CWATER from a Run Off Water (AB RO) facility.	Error	Waste code [value] is not valid for activity [value],from/to [value] and [value] volume .	WPR045
Waste Code	SK		If the REC will be reported for product water or solids from a Run Off Water (SK RO) facility, the waste code must be FSHWTR or CWATER. REC for products Gas or Oil cannot be reported when waste code is FSHWTR from a Run Off Water (SK RO) facility.	Error	Waste code [value] is not valid for activity [value],from/to [value] and [value] volume .	WPR045

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
			REC for product Gas cannot be reported when waste code is CWATER from a Run Off Water (SK RO) facility.			
Waste Code	BC		If the REC will be reported for product water or solids from a Run Off Water (BC RO) facility, the waste code must be WATER. REC for products Gas or Oil cannot be reported when waste code is WATER from a Run Off Water (BC RO) facility.	Error	Waste code [value] is not valid for activity [value],from/to [value] and [value] volume .	WPR045
Waste Code	AB		If the REC will be reported for product GAS from a ABCO/ABIN/ABMC facility, the waste code must be blank.	Error	Waste code [value] is not valid for activity [value],from/to [value] and [value] volume .	WPR045
Waste Code	SK		If the REC will be reported for product GAS from a SKCO/SKIN/SKMC facility, the waste code must be blank.	Error	Waste code [value] is not valid for activity [value],from/to [value] and [value] volume .	WPR045
Waste Code	BC		If the REC will be reported for product GAS from a BCCO/BCIN/BCMC facility, the waste code must be blank.	Error	Waste code [value] is not valid for activity [value],from/to [value] and [value] volume .	WPR045
Waste Code			If Waste Code is ADDMAT, then the submitting facility must have sub-type 701 or 702	Error	Submitting Facility Subtype [value] is invalid for Waste Code [ADDMAT]. Valid values are 701 and 702.	WPR053
Waste Code			If Waste Code is ADDMAT then Activity must be REC	Error	Waste code [value] is not valid for activity [value].	WPR024
Received From/delivered to ID			**Facility ID**: Must be an 11-character, alphanumeric identifier.	Error	From/to facility ID [value] is not a valid facility.	WPR025
Received From/delivered to ID			If Waste Code is ADDMAT, From/To Facility must be blank.	Error	Waste code [value] is not valid for activity [value] and from/to [value].	WPR041
Received From/delivered to ID			**Facility ID**: Third and fourth characters of id must be one of Petrinex reporting or non-reporting facility types. Or must be a waste location (currently WL).	Error	From/to facility ID [value] is not a valid facility.	WPR025

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
			(See Appendix J for list)			
Received From/delivered to ID	AB		**Facility ID**: Remaining seven characters must be a valid alphanumeric value	Error	From/to facility ID [value] is not a valid facility.	WPR025
Received From/delivered to ID		Yes	**Facility ID**: Facility must exist in infrastructure/facility database tables.	Error	From/to facility ID [value] is not a valid facility.	WPR025
Received From/delivered to ID			**Facility ID**: If facility is a Waste Location (WL) generator, then the facility must be operated by the submitter.	Error	From/to facility ID [value] is not a valid facility.	WPR025
Received From/delivered to ID		Yes	**Facility ID**: Facility must have an 'active' status in infrastructure/facility database tables, for the reported production month, 'active' in this instance means "Active", or "Abandoned" if the abandonment start month is the same as the reporting production month.	Error	From/to facility ID [value] is not an "active'" facility for production month [value].	WPR026
Received From/delivered to ID		Yes	Exception 1: REC is allowed to be reported for a suspended facility.	Warning	A REC from suspended facility [value] has been reported. Entry accepted no action required.	WPR042
Received From/delivered to ID			**Well ID**: Third and fourth characters of id must be WI.	Error	From/to well ID [value] is not a valid well.	WPR027
Received From/delivered to ID			**Well ID**: Remaining 16 characters must be a valid unique well identifier (UWI).	Error	From/to well ID [value] is not a valid well.	WPR027
Received From/delivered to ID	AB		**Well ID**: AB, or SK (for any production month on or after Saskatchewan "go-live" on Petrinex), or BC (for any production month on or after British Columbia "go-live" on Petrinex), well must exist in infrastructure/well database tables.	Error	From/to well ID [value] is not a valid well.	WPR027
Received From/delivered to ID	AB		**Well ID**: AB, or SK (for any production month on or after Saskatchewan "go-live" on Petrinex), or BC (for any production month on or after British Columbia "go-live" on Petrinex), well must be a	Error	From/to well ID [value] must be an "unlinked" well.	WPR028

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
			valid unlinked well. * Unlinked well - no facility link at the end of the month.			
Received From/delivered to ID	SK		**Well ID**: SK or AB or BC (for any production month on or after British Columbia "go-live" on Petrinex), well must exist in infrastructure/well database tables.	Error	From/to well ID [value] is not a valid well.	WPR027
Received From/delivered to ID	SK		**Well ID**: SK or AB or BC (for any production month on or after British Columbia "go-live" on Petrinex), well must be a valid unlinked well. * Unlinked well - no facility link at the end of the month.	Error	From/to well ID [value] must be an "unlinked" well.	WPR028
Received From/delivered to ID	BC		**Well ID**: SK or AB or BC, well must exist in infrastructure/well database tables.	Error	From/to well ID [value] is not a valid well.	WPR027
Received From/delivered to ID	BC		**Well ID**: SK or AB or BC, well must be a valid unlinked well. * Unlinked well - no facility link at the end of the month.	Error	From/to well ID [value] must be an "unlinked" well.	WPR028
Received From/delivered to ID			The from/to must be valid for the activity. (See Appendix J).	Error	From/to [value] is not allowed with activity [value].	WPR029
Received From/delivered to ID			From/To facility id cannot be the same as the submitting facility id.	Error	From/to [value] is not allowed.	WPR030
Received From/delivered to ID	AB		**Miscellaneous ID**: If a from/to id is BC (for any production month prior to British Columbia "go-live" on Petrinex), or SK (for any production month prior to Saskatchewan "go-live" on Petrinex), or NT, or YT well, then the from/to id is validated against the infrastructure/miscellaneous database tables. These are **not** rejected, if failure to validate, but are recorded and a warning issued.	Warning	From/to miscellaneous ID [value] is not validated but accepted.	WPR046
Received From/delivered to ID	SK		**Miscellaneous ID**: If a from/to id is MB, NT, MT, or ND well, then the from/to id is validated against the infrastructure/miscellaneous database tables. These are **not** rejected, if failure to validate, but	Warning	From/to miscellaneous ID [value] is not validated but accepted.	WPR046

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
			are recorded and a warning issued.			
Received From/delivered to ID	BC		**Miscellaneous ID**: If a from/to id is YT, NT, WA, ID, or MT well, then the from/to id is validated against the infrastructure/miscellaneous database tables. These are **not** rejected, if failure to validate, but are recorded and a warning issued.	Warning	From/to miscellaneous ID [value] is not validated but accepted.	WPR046
Received From/delivered to ID		Yes	If a REC will be reported from an abandoned facility, the product can not be GAS.	Error	REC of GAS volume can not be reported for an abandoned facility [value].	WPR044
Received From/delivered to ID	AB		If a REC of a GAS volume is reported then the from/to can only be ABMC, ABCO, or ABIN.	Error	REC of GAS volume cannot be reported for from/to [value].	WPR048
Received From/delivered to ID	SK		If a REC of a GAS volume is reported then the from/to can only be SKMC, SKCO, or SKIN.	Error	REC of GAS volume cannot be reported for from/to [value].	WPR048
Received From/delivered to ID	BC		If a REC of a GAS volume is reported then the from/to can only be BCMC, BCCO, or BCIN.	Error	REC of GAS volume cannot be reported for from/to [value].	WPR048
Received From/delivered to ID	SK		If a REC and ENTGAS waste code, then from/to facility must be the same facility as the submitting facility.	Error	From/to facility [value] is not valid for activity [value] and waste code [value].	WPR055
Received From/delivered to ID			Only a valid facility, waste location, or well is allowed, otherwise From/To must be blank.	Information	No error message.	
Volume			Volume must be a valid numeric value	Error	[value] volume [value] is not numeric.	WPR031
Volume			Volume must be a valid number; max 9 digits before the decimal and max 1 digit after the decimal place	Error	[value] volume [value] is an invalid format, max 9 digits before the decimal and max 1 digit after the decimal place.	WPR032
Volume			Volume must be a positive number, except for the following exceptions…	Error	[value] volume [value] must be a positive number for activity [value].	WPR033
Volume			**Exception 1**: If activity is INVADJ, then positive and negative are allowed.	Information	No error message.	

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
Volume			Volume column must be blank for certain activities (see Appendix I).	Error	[value] volume [value] must be blank for activity [value].	WPR034
Volume			Oil volume column must be blank for a Waste Plant DISP to an Injection Facility (IF).	Error	[value] volume [value] must be blank for activity [value].	WPR034
Volume			If the activity requires a volume, then at least one volume column for the row must have a valid non-zero value entered.	Error	No volume specified for from/to facility ID [value], activity [value] and waste code [value].	WPR035
Volume	AB/SK		If waste stream is FSHWTR and not AB RO, Oil and Solids volumes cannot also be reported. If waste stream is FSHWTR and AB RO, then water and solids may be reported. If waste stream is CWATER, and AB RO, then Oil, Water, and Solids may be reported. AB RO above is SK RO in SK jurisdiction.	Error	Component [value] volume of [value] is not valid for waste code [value].	WPR054
Volume	SK		If Waste Code is ENTGAS, a gas volume must be submitted with other volume columns empty.	ERROR	Waste code [value] can only be reported with a "value" volume.	WPR057
Dangerous/Non-dangerous			Cannot be blank when the specified activity is REC.	Error	Dangerous/non-dangerous value cannot be blank for activity REC.	WPR036
Dangerous/Non-dangerous	AB		**Exception 1:** Must be blank if REC product GAS volume is reported from ABCO/ABIN/ABMC.	Error	Dangerous/non-dangerous value must be blank for activity [value] and fromto [value].	WPR047
Dangerous/Non-dangerous	SK		**Exception 1:** Must be blank if REC product GAS volume is reported from SKCO/SKIN/SKMC.	Error	Dangerous/non-dangerous value must be blank for activity [value] and fromto [value].	WPR047
Dangerous/Non-dangerous	BC		**Exception 1:** Must be blank if REC product GAS volume is reported from BCCO/BCIN/BCMC.	Error	Dangerous/non-dangerous value must be blank for activity [value] and fromto [value].	WPR047
Dangerous/Non-dangerous			Must be blank when the specified activity is not REC.	Error	Dangerous/non-dangerous value must be blank for activity [value].	WPR037
Dangerous/Non-dangerous			Must be a valid code (either 'N', 'D', or blank).	Error	Invalid entry for dangerous/non-dangerous value.	WPR038

Data Element Name	Jurisdiction	Cross-border Receiving Jurisdiction Edit	Validation Rule	Result Type	Message	Message Number
Dangerous/Non-dangerous	SK		Must be blank if ENTGAS waste code.	Error	Dangerous/non-dangerous value must be blank for waste code [value].	WPR056
Entire Submission			Post SK 'go-live': if there are any validated cross-border rows in this submission, then issue warning that rows may be validated again (and accepted/rejected) within another jurisdiction.	Warning	Cross-border activity rows are subject to further validation by other jurisdiction.	WPR051

2. AUTO-CREATE

Upon submission of waste plant submission data, a number of activity codes may cause other activity type records to be auto-created within upstream or downstream facility volumetric submissions, or other waste plant submissions. Appendix J and Appendix K show the rules. Waste plant submission data disposing to, or receiving from Registry volumetric non-reporting facility types (WI, WL, WS, etc) will not trigger auto-creation of data.

Action	Description
Auto-creation of volumetric disposition (DISP) records	Following a waste plant submission of a receipt (REC) from a valid volumetric reporting facility, a disposition (DISP) will be auto-created for the volumetric reporting facility. The oil component of the waste stream will be auto-created as OIL at the volumetric reporting facility. The water component of the waste stream will be auto-created as WATER at the volumetric reporting facility. The solids component of the waste stream will be auto-created as SAND at the volumetric reporting facility.** AB Example: ** Waste plant ABWP0001234 reports: ABBT0002468 REC WSTFLQ oil=10m3 water=980m3 solids=20m3 This will auto-create at ABBT0002468: DISP OIL ABWP0001234 10m3 DISP WATER ABWP0001234 980m3 DISP SAND ABWP0001234 20m3 ** Note Creation of SAND entry is date effective, beginning with the 2013-01 production month, All prior periods sums the water and solids volumes, reporting as WATER.
Auto-creation of volumetric receipt (REC) records	Following a waste plant submission of a disposition (DISP) to a valid volumetric reporting facility, a receipt (REC) will be auto-created for the volumetric reporting facility. . The water or solids disposition with a waste code of WASTE, WATER, FSHWTR, or BRKWTR will be auto-created as WASTE, WATER, FSHWTR, or BRKWTR at the volumetric reporting facility. AB Example: Waste plant ABWP0001234 reports: ABIF0002468 WATER DISP water=105m3

	This will auto-create at ABIF0002468: REC WATER ABWP0001234 105m3 AB Example: Waste plant ABWP0001234 reports: ABIF0000068 WATER DISP water=20m3 ABIF0000068 WASTE DISP water=25m3 solids=4m3 This will auto-create at ABIF0000068: REC WATER ABWP0001234 20m3 REC WASTE ABWP0001234 29m3 SK Example: (SK Only, and applies only to SK BT's)** Waste plant SKWP0001200 reports: SK BT 0002400 COEMUL DISP oil=15m3, water=45m3, solids=1.1m3 This will auto-create at SK BT 0002400: REC OIL SKWP0001200 15m3 REC WATER SKWP0001200 45m3 REC SAND SKWP0001200 1.1m3 ** Note Creation of SAND entry is date effective, beginning with the 2013-01 production month, All prior periods sums the water and solids volumes, reporting as WATER.
Auto-creation of waste plant receipt (DISP) records	Following a volumetric submission of a receipt (REC) of OIL for a valid volumetric reporting facility from a waste plant, a disposition (DISP) of OIL will be auto-created for the waste plant. No waste code is created for the OIL disposition. AB Example: Facility ABCT0001234 reports: ABWP0002468 REC OIL volume=100 This will auto-create at ABWP0002468: ABCT0001234 DISP oil=100
Auto-creation of waste plant receipt (REC) records	Following a volumetric submission of a disposition (DISP) of GAS (volume, energy and ISC (Alberta only)) from a valid volumetric reporting facility to a waste plant, a receipt (REC) of GAS (volume only) will be auto-created for the waste plant. No waste code is created for the GAS receipt. AB Example: Facility ABBT0001234 reports: ABWP0002468 DISP GAS volume=100 energy=3750 This will auto-create at ABWP0002468: ABBT0001234 REC gas=100
Auto-creation of waste	Following a waste plant (cavern, for example) submission of a receipt (REC) from another waste plant (surface

plant receipt (REC) records	facility, for example), a disposition (DISP) will be auto-created for the delivering waste plant. AB Example: Waste plant ABWP0001234 reports: ABWP0002468 WASTE REC water=545 solids=1000 This will auto-create at ABWP0002468: ABWP0001234 WASTE DISP water=545 solids=1000
Auto-creation of waste plant inventory opening balance (INVOP)	An INVOP for a product is auto-created at Ministry extraction time for the next production month if an inventory closing balance (INVCL) for that product is present in the current reporting month. A prior period waste plant submission amendment may change an INVCL product volume, which will auto-create a new INVOP in the following reporting month at the time of waste plant submission. This assumes that the waste plant is 'active' in the following month.
Auto-creation of cross-border receipt (REC) and disposition (DISP) records. Cross-border means between any two of Alberta, Saskatchewan, and British Columbia.	Petrinex will auto-populate receipts and dispositions across the border between any two of Alberta, Saskatchewan, and British Columbia. For example, A Saskatchewan waste plant can report a receipt from an Alberta battery, and Petrinex will auto-populate a disposition activity at the Alberta battery. The rules about which cross-border facility and activity is valid, are the same as receipt/disposition activity rules within the same province. A failure while validating the cross-border activity in the other jurisdiction, will cause a 'missing' record and 'failure' notification to be created in the originating jurisdiction. Note: If a newer submission has been made in the originating jurisdiction, then the 'missing' record is **not** created. A successful validation of the cross-border activity in the other jurisdiction, will cause a 'success' notification to be created in the originating jurisdiction.

3. UNIT OF MEASURE

The following shows the unit of measurement that reported volumes should be made in, for different waste product groupings.

Volume unit of measurement …

For water, oil, and solids: **m³ (cubic metres)**

For gas: **10³m³ (thousands of cubic metres**)

4. WASTE CODE LIST

The jurisdiction is left blank to indicate all jurisdictions.

Waste Code	Jurisdiction	Waste Code Name
ACID		Acid Solutions (unneutralized)
ACTCRB		Activated Carbon
ADDMAT		Additives used in WP Processing
ASBEST	AB/SK	Asbestos
BATT	AB/SK	Batteries (Wet and Dry Cell)
BLBDWT		Boiler Blowdown Water
BRKWTR	AB/SK	Saline Water/Brackish Water - TDS > 4000 ppm
BUFFOIL	SK	Clean Buffer Oil used in cavern operations
CATNS		Catalyst (Non-Sulphur)
CATSU		Catalyst (Sulphur)
CAUS		Caustic Solutions (unneutralized, spent)
CEMENT		Cement (Returns Dry)
COEMUL		Crude Oil/Condensate Emulsions (residuals after treatment)
CONMAT	AB/SK	Construction and Demolition Material
CORINH		Corrosion Inhibitor/Oxygen Scavenger Solutions
CWATER		Waters Contaminated (leachate, collected surface waters)
DESICT		Dessicant
DMDS		Dimethyl Disulphide Solutions
DOMWST	AB/SK	Garbage/Domestic Waste
DRWSAC		Drilling Waste Advanced Gel Chemical
DRWSGC		Drilling Waste Gel Chemical
DRWSHC		Drilling Waste Hydrocarbon
EMTCON1	AB/SK	Aerosol Cans
EMTCON2	AB/SK	Barrels, Pails
EMTCON3	AB/SK	Crude Oil Sample Bottles
EMTCON4	AB/SK	Cutting Oil Tubes
EMTCON5	AB/SK	Grease Cartridges
EMTCON6	AB/SK	Mud Sacks - Drilling
EMTCON7	AB/SK	Paint Cans/Brushes
EMTCON8	AB/SK	Pipe Dope Containers/Brushes
ENTGAS	SK	Entrained Gas
FILAPC		Filters - Air Pollution Control
FILFWT		Filters - Raw/Fresh Water
FILGLY		Filters Glycol
FILLUB		Filters - Lube Oil (Waste Type 201)
FILMTH		Filters - Methanol
FILOTH		Filters - Other (Raw/Fuel Gas, NGL's)

Waste Code	Jurisdiction	Waste Code Name
FILPWT		Filters - Produced/Process Water
FILSWT		Filters - Gas Sweetening (MEA, DEA, MDEA, Sulphinol)
FILWTT		Filters (Media) - Water Treatment
FLBWSW		Filter Backwash Liquids (Gas Sweetening)
FLBWWT		Filter Backwash Liquids (Water Treatment)
FRCSND		Frac Sand - Non-Radioactive
FRFLDH		Frac Fluid (Hydrocarbon Based)
FRFLDR		Frac Fluid Radioactive
FRFLDW		Frac Fluid (Water Based)
FRMFNS		Residual formation fines after treatment and settlement
FRSDR		Frac Sand - Radioactive (Plus other Radioactive Diagnostic Materials)
FSHWTR	AB/SK	Non-Saline Water/Fresh Water - TDS < 4000 ppm
GLYC		Glycol Solutions (No Heavy Metals)
GLYCHM		Glycol Solutions (Containing Lead or other Heavy Metals) (Waste Type 202)
HSPWTR		High Solids Produced Water (produced water with entrained well bore fines – no chemicals or other materials added)
HYDOIL	AB/SK	Hydraulic and Transmission Oil
HYDVCH		Hydrovac Material (chemical/solvent impacted)
HYDVCO		Hydrovac Material (crude oil/condensate impacted)
HYDVEM		Hydrovac Material (emulsion impacted)
HYDVHM		Hydrovac Material (mercury/heavy metal impacted)
HYDVPT		Hydrovac Material (pesticide/hervicide impacted)
HYDVPW		Hydrovac Material (produced/salt water impacted)
HYDVRO		Hydrovac Material (refined fuels/oils impacted)
HYDVSU		Hydrovac Material (sulphur impacted)
IEXLIQ		Ion Exchange Resin Regenerant Liquids
IEXRES		Ion Exchange Resin
INCASH	AB/SK	Incinerator Ash
INOCHM		Chemicals (Inorganic)
IRNSPG	AB/SK	Iron Sponge
LDDOPE	AB/SK	Lead Based Products (Pipe Dope/Greases)
LDTAPE	AB/SK	Lead Based Products (H2S Sensing Tape)
LUBOIL		Lubricating Oil (Hydrocarbon and Synthetic)
METHNL		Hydrotest Fluids - Methanol
MNFCTR		Manufacture
NONOFD		Non-Oilfield Waste
NORM		Naturally Occurring Radioactive Materials - NORMs
OILABS		Absorbants
OILRAG		Rags
ORGCHM		Chemicals (Organic)
PCBBAL	AB/SK	Polychlorinated Biphenyls (PCBs) - Fluorescent Light Ballasts
PCBLIQ		Polychlorinated Biphenyls (PCBs) Askarel Liquids
PCBSGI	AB/SK	Polychlorinated Biphenyls (PCBs) - Contaminated Solids > 1000 ppm
PCBSLF	AB/SK	Polychlorinated Biphenyls (PCBs) - Contaminated Solids < 50 ppm

Waste Code	Jurisdiction	Waste Code Name
PCBSLI	AB/SK	Polychlorinated Biphenyls (PCBs) - Contaminated Solids > 50 ppm < 1000 ppm
PIGWST		Pigging Waste (Liquid and Wax)
PSTCON	AB/SK	Pesticide/Herbicide Containers
PSTHRB		Pesticides/Herbicides
PWTRHM		Water - Process (with Heavy Metals)
PWTROR		Water Process (with Organic Chemicals)
SALT		Salt Heat Medium
SAND		Sand - Produced
SLGCTW		Sludge - Cooling Tower
SLGEML		Sludge - Emulsion
SLGGLY		Sludge - Glycol/Gas Drying
SLGHYD		Sludge - Hydrocarbon
SLGLIM		Sludge - Lime
SLGPIT		Sludge - Flare Pit
SLGPRO		Sludge - Process
SLGSUL		Sludge - Sulphur
SLGSWT		Sludge - Gas Sweetening Systems
SMETAL	AB/SK	Metal (Scrap)
SOILCH		Contaminated Debris and Soil (Chemical/Solvent)
SOILCO		Contaminated Debris and Soil (Crude Oil/Condensate)
SOILEM		Contaminated Debris and Soil (Emulsion)
SOILHM		Contaminated Debris and Soil (Mercury/Metals)
SOILPT		Contaminated Debris and Soil (Pesticide/Herbicide)
SOILPW		Contaminated Debris and Soil (Produced/Salt Water)
SOILRO		Contaminated Debris and Soil (Refined Fuels/Oils)
SOILSU		Contaminated Debris and Soil (Sulphur)
SOLALP		Solvents/Residues (Non-Halogenated Aliphatic)
SOLARO		Solvents/Residues (Non-Halogenated Aromatic)
SOLHAL		Solvents/Residues (Halogenated)
SWBFLD	AB	Swabbing Fluid
SWTLIQ		Sweetening Agents (Liquids)
SWTSOL		Sweetening Agents (Solids)
THPROT	AB/SK	Thread Protectors - Casing/Tubing
TRTHAY		Treater Hay
WATER		Water - Produced (Including Brine Solutions)
WOODCT	AB/SK	Wood (Chemically Treated/Cooling Tower)
WPAINT	AB/SK	Paints
WSHORG		Wash Fluids - Organic
WSHWTR		Wash Fluids - Water
WSTCGS	AB/SK	Waste Compressed or Liquified Gases
WSTCLQ	AB/SK	Waste Corrosive Liquid
WSTCSO	AB/SK	Waste Corrosive Solid
WSTFLQ	AB/SK	Waste Flammable Liquid
WSTFSD	AB/SK	Waste Flammable Solid
WSTMIS	AB/SK	Waste - Miscellaneous
WSTOLQ	AB/SK	Waste Oxidizing Liquid

Waste Code	Jurisdiction	Waste Code Name
WSTOSD	AB/SK	Waste Oxidizing Solid
WSTPLQ	AB/SK	Waste Poisonous Liquid
WSTPSD	AB/SK	Waste Poisonous Solid
WSTRDM		Waste Radioactive Material
WWOFLD		Well Workover Fluids

Waste Code	Jurisdiction	Waste Code Name
WASTE		Special waste code for a waste plant disposing to/receiving from another waste plant or injection facility

PETRINEX
CANADA'S PETROLEUM INFORMATION NETWORK

JOB AID

5. ACTIVITY CODE LIST

The following table shows the activity codes which are valid for waste plant submissions.

DISP	Manual or Auto-created activity
FUEL	Manual activity
FLARE	Manual activity
VENT	Manual activity
IMBAL	Auto-created activity
INVADJ	Manual activity
INVCL	Manual activity
INVOP	Auto-created activity
REC	Manual or Auto-created activity
SHUTIN	Manual activity

6. ACTIVITY CODE / WASTE CODE VALIDATION TABLE

The following table shows the validation data used when validating activity column against waste code column. This is validating the data which can be entered by the user, auto-created data rules are covered elsewhere in this document.

Activity Code	Waste Code values allowed
DISP	WASTE, WATER, MNFCTR, BRKWTR or FSHWTR
DISP	COEMUL (SK only, and FromTo only to a SK battery)
FUEL	Blank, or ENTGAS
FLARE	Blank, or ENTGAS
VENT	Blank, or ENTGAS
INVADJ	Blank
INVCL	Blank
REC	All waste codes
SHUTIN	Blank

7.   ACTIVITY CODE / VOLUME VALIDATION TABLE

The following table shows the validation data used when validating activity column against volume columns. This is validating the data which can be entered by the user, auto-created data rules are covered elsewhere in this document

Activity Code	Volume Columns allowed
DISP	Oil, Water, Solids
FUEL	Gas
FLARE	Gas
VENT	Gas
INVADJ	Oil, Water, Solids
INVCL	Oil, Water, Solids
REC	Oil, Water, Solids, Gas*
SHUTIN	None allowed

*If REC Gas Volume is reported, FromTo can only be:-

Alberta: ABMC, ABCO, ABIN or ABGP

Saskatchewan: SKMC, SKCO, SKIN or submitting facility for waste code ENTGAS

British Columbia: BCMC, BCCO or BCIN

8. ACTIVITY CODE / FROM/TO VALIDATION TABLE

The following table shows the validation data used when validating activity column against from/to facility type column. This is validating the data which can be entered by the user, auto-created data rules are covered elsewhere in this document

Activity Code	Jurisdiction	From/To Facility Type allowed
DISP	AB	ABIF, ABWL(Receiver)***, SKIF
DISP	SK	SKIF, SKWL(Receiver), ABIF, SKBT****
DISP	BC	BCIF, BCWL(Receiver), BCIF
FUEL		None allowed*****
FLARE		None allowed*****
VENT		None allowed*****
INVADJ		None allowed
INVCL		None allowed
REC**	AB	ABBT, ABCT, ABGS, ABGP, ABIF, ABOS, ABPL, ABRF, ABTM, ABWI, ABWL(Generator)***, ABWP, ABWS, ABMC*, ABCO*, ABIN*, ABRO. SKBT, SKCT, SKGS, SKGP, SKIF, SKPL, SKRF, SKTM, SKWP, SKWS, SKWT, BCBT, BCCT, BCGS, BCGP, BCIF, BCPL, BCRF, BCTM, BCWP, BCWS
REC	SK	SKBT, SKCT, SKGS, SKGP, SKIF, SKPL, SKRF, SKTM, SKWI, SKWL(Generator), SKWP, SKWS, SKWT, SKMC*, SKCO*, SKIN* SKRO, ABBT, ABCT, ABGS, ABGP, ABIF, ABOS, ABPL, ABRF, ABTM, ABWP, ABWS, BCBT, BCCT, BCGS, BCGP, BCIF, BCPL, BCRF, BCTM, BCWP, BCWS
REC**	BC	BCBT, BCCT, BCGS, BCGP, BCIF, BCPL, BCRF, BCTM, BCWI, BCWL(Generator), BCWP, BCWS, BCMC*, BCCO*, BCIN*, BCRO. BCLN, SKBT, SKCT, SKGS, SKGP, SKIF, SKPL, SKRF, SKTM, SKWP, SKWS, SKWT, ABBT, ABCT, ABGS, ABGP, ABIF, ABOS, ABPL, ABRF, ABTM, ABWP, ABWS
REC**	AB	BCWI, SKWI, NTWI, YTWI
REC	SK	ABWI, MBWI, NTWI, NDWI, MTWI
REC**	BC	ABWI, YTWI, NTWI, WAWI, IDWI, MTWI
SHUTIN		None allowed

* Product can only be GAS.

** If From/To is one of the following:

    1) Out of province well locations, (AB only)

    2) A refinery.(AB and SK and BC)

    The waste code can only be NONOFD (non-oilfield)

*** Effective date is 2009-03

**** Only report COEMUL and only to paper batteries (SK only) Note, currently there is no way to distinguish paper batteries and normal batteries based on sub-types.

***** In SK, waste code ENTGAS must report the same submitting facility in the from/to field.

9. AUTO-CREATION TABLE

The following table shows the activity, waste code, and volume columns which may be auto-created at a waste plant, following various submissions at other from/to facilities.

Activity Code	Jurisdiction	Waste Code	Volume columns	From/To Facility Type
REC	AB	Blank	Gas	ABBT, ABGS, ABGP, ABMS, SKBT, SKGS, SKGP, SKMS, BCBT, BCGS, BCGP, BCMS
REC	SK	Blank	Gas	SKBT, SKGS, SKGP, SKMS, ABBT, ABGS, ABGP, ABMS, BCBT, BCGS, BCGP, BCMS
REC	BC	Blank	Gas	BCBT, BCGS, BCGP, BCMS, SKBT, SKGS, SKGP, SKMS, ABBT, ABGS, ABGP, ABMS
DISP	AB	Blank	Oil, Water	ABCT, ABTM, ABPL, ABGP,SKCT, SKTM, SKPL, BCCT, BCTM, BCPL, BCGP
DISP	SK	Blank	Oil, Water	SKCT, SKTM, SKPL, ABCT, ABTM, ABPL,ABGP, BCCT, BCTM, BCPL, BCGP
DISP	BC	Blank	Oil, Water	BCCT, BCTM, BCPL, BCGP,SKCT, SKTM, SKPL, ABCT, ABTM, ABPL, ABGP
DISP	AB	WASTE	Oil, Water, Solids	ABWP, SKWP, BCWP
DISP	SK	WASTE	Oil, Water, Solids	SKWP, ABWP, BCWP
DISP	BC	WASTE	Oil, Water, Solids	BCWP, SKWP, ABWP