
New Waste Acceptance Requirements

Effective Date: April 4th, 2022

Generator and Transporter – Expectations and Requirements

In coordination with the AER, SECURE Energy is implementing new waste acceptance requirements at all AER Regulated waste management facilities in Alberta. Effective April 4th, 2022, the following information **MUST** be included on all waste shipping documents to be offloaded at SECURE waste management facilities:

- DOW/Non-DOW classification – See AER Directive 058, Appendix 7, Table 7.4
- AER Waste Code – See AER Directive 058, Appendix 7, Table 7.4 or Directive 047, Appendix 3
- All DOW classified wastes **MUST** be accompanied by an AER Waste Manifest

This information **MUST** be provided by the waste generator to the transporter prior to arrival at SECURE's waste management facilities.

Beginning in March 2022 SECURE operations personnel will work with waste generators and transporters by conducting a soft implementation of these new requirements. Soft implementation means waste loads will not be delayed however a review of shipping document expectations will be conducted with transporters prior to offload.

Guidance on Waste Characterization and Classification

Production Fluids

Production Fluids which included Crude Oil / Petroleum Products destined for Custom Treating (CT) or Terminal (TM) operations are not considered wastes and therefore **DO NOT** require classification or AER Waste Codes. As Truck Tickets are used for shipment of these fluids it is important for a Producer to differentiate between **Production Fluids** and **Crude Oil/Condensate Emulsions (residuals after treatment)**.

Common / Well Known Wastes

Table 7.4 of Appendix 7 Directive 058 is included as a guide for common or well-known waste streams produced from standard industry practice and typical waste classification based on historical and generator knowledge. Wastes generated from standard industry practice include no unusual operations, processes, or site-specific conditions. These wastes have been classified as DOW or non-DOW using Table 7.4 and don't require further verification of proper characterization. These wastes must still be shipped using a proper shipping document (i.e., AER Waste Manifest or Truck Ticket).

Non-Routine Wastes

For non-routine wastes that differ in classification or characterization from Table 7.4 (e.g., Acid shipped as non-DOW) or where the waste stream or common classification is not listed and “Testing is required” as outlined in Table 7.4, the generator should be conducting analytical testing to confirm the appropriate classification and characterization was chosen. However, analytical testing would be less essential if the generator were to utilize the most stringent (dangerous) classification (i.e., DOW) for these waste streams.

Generators **MUST** be prepared to provide proof of classification if a less stringent (non-DOW) classification was applied to wastes listed in Table 7.4 where a DOW classification or “Testing is required” is listed.

The following table highlights the top 20 waste streams received at SECURE waste management facilities in 2021 including associated common oilfield classification (DOW/non-DOW) and AER Waste Codes as outlined in Directive 058, Table 7.4.

Reminder: this information is included for your reference; it remains the waste generator’s responsibility to apply the correct classification and AER Waste Code.

Common Oilfield Class	AER Waste Code	Waste Code Description
NON-DOW	CEMENT	Cement (returns dry)
NON-DOW	COEMUL	Crude Oil/Condensate Emulsions (residuals after treatment)
NON-DOW	CWATER	Waters Contaminated (leachate, collected surface waters)
NON-DOW	DRWSGC	Drilling Waste Gel Chemical
DOW	DRWSHC	Drilling Waste Hydrocarbon
NON-DOW	FRCSD	Frac Sand - Non-Radioactive
DOW	FRFLDW	Frac Fluid (water based)
NON-DOW	HSPWTR	High Solids Produced Water
NON-DOW	HYDVCO	Hydrovac Material (crude oil/condensate impacted)
NON-DOW	HYDVEM	Hydrovac Material (emulsion impacted)
NON-DOW	HYDVPW	Hydrovac Material (produced/salt water impacted)
DOW	PIGWST	Pigging Waste (liquid and wax)
NON-DOW	SAND	Sand - Produced
DOW	SLGHYD	Sludge - Hydrocarbon
DOW	SOILCO	Contaminated Debris and Soil (crude oil/condensate)
NON-DOW	SOILPW	Contaminated Debris and Soil (produced/salt water)
NON-DOW	SWTLIQ	Sweetening Agents (liquids)
NON-DOW	WATER	Water - Produced (including brine solutions)
NON-DOW	WSHWTR	Wash Fluids - Water
DOW	WWOFLD	Well Workover Fluids

SECURE appreciates your patience and understanding during the upcoming release of these new waste acceptance requirements.