

June 28, 2023

**Re: Provisional Compliance Report For Calendar Year 2022  
Emissions Trading Regulation, Section 55 (Alberta Regulation 33 /2006)**

**Table 1: Section 55 Reporting – Summary Compiled by Registry Operator for 2022**

This provisional report indicates EPEA approval holders retired credits towards the requirements of their approval in regard of annual NO<sub>x</sub> and SO<sub>2</sub> limits.

EPEA Approval	1512		1512		9820	
Facility	Battle River		Battle River		Sundance	
EPEA Approval Holder	ATCO		ATCO		TransAlta	
Unit	4		5		4	
Generation (MWh)	293877		1,116,833		19,132	
Substance	SO <sub>2</sub>	NO <sub>x</sub>	SO <sub>2</sub>	NO <sub>x</sub>	SO <sub>2</sub>	NO <sub>x</sub>
Emission Limit (kg/MWh)	0.65	0.47	0.65	0.47	0.65	0.47
Emissions (kilograms)	0	157,380	0	1,187,431	0	22,890
Actual Intensity (kg/MWh)	0	0.5355	0	1.0220	0	1.1964
Credits Needed (tonnes)	0	19.3	0	641.4	0	13.9
Credits Retired Against 2022 Compliance Obligation (credits)	0	20	0	642	0	16
Mass Value of Retired Credits if Discounting Applies (tonnes)	0	20	0	642	0	14.4

Approved June 28, 2023.

Robert Hamaliuk  
Executive Director, Air and Climate Policy Branch  
Emissions Trading Regulation's Section 1(1)(n) Director  
Alberta Environment and Protected Areas

Attachment 1: Serial numbers retired.  
Attachment 2: Extract from regulation.

**Attachment 1: Serial Numbers Retired**

**Table 1A: Heartland**

Transaction ID	Data Received	Logged By	Transaction Part	Of this number of parts	Substance	Type	Requested By	From Account	From Account Type	To Account	To Account Type	First Credit	Last Credit	Total
2023-RN001	2023-03-27	Dobson	1	3	nox	Discountable	Heartland	1512 unit 5	Holding	BR 1512 Unit 4	Holding	n2020-000665	n2020-000684	20
2023-RN001	2023-03-27	Dobson	2	3	nox	Discountable	Heartland	1512 unit 4	Holding	BR 1512 Unit 4	Retiring 2022	n2020-000665	n2020-000684	20
2023-RN001	2023-03-27	Dobson	3	3	nox	Discountable	Heartland	1512 unit 5	Holding	BR 1512 Unit 5	Retiring 2022	n2020-000685	n2020-001326	642

**Table 1B: TransAlta**

Transaction ID	Data Received	Logged By	Transaction Part	Of this number of parts	Substance	From Account	From Account Type	To Account	To Account Type	Registry Error or Note	First Credit	Last Credit	Total
2022-RB0001	20220429	Dobson	5	6	NOx	9830-4	Holding	9830-4	Retire 2021	Retired to RETIRE2021. Public ERRATA sheet credits this retirement to RETIRE2022 as TransAlta requested.	n2018-000684	n2018-000699	16

Note: Tables 1A and 1B are extracts from the tracking ledger for transactions. The comment in red text in Table 1B refers to the retirement of 16 of TransAlta’s credits to a 2021 retirement account rather than a 2022 retirement account for Unit 9830-4. The registry software does not allow credits to be moved once retired. An ERRATA document tracks these errors on the Registry website and this compliance report notes the use of the credits against Unit 9830-4’s 2022 retirement obligation.

## Attachment 2: Excerpts From Regulation

### How emission credits are used for compliance purposes

45 An emission credit may be used by a unit operator for compliance purposes in respect of a generating unit if the unit operator

- (a) has authority under its approval to use emission credits for compliance purposes, and
- (b) provides to the registry operator by April 30 of the year following the year in which the emission credits are used
  - (i) confirmation of their use, and
  - (ii) the serial number of each emission credit used.

### Annual Reports

55(1) On or before March 31 of each year, in respect of the preceding year, a unit operator who has an emissions trading account must submit to the registry operator a report showing

- (a) the annualized air emissions data for NO<sub>x</sub> and, if applicable, for SO<sub>2</sub> for each of the unit operator's generating units, and
- (b) the annual MWh output for each of the unit operator's generating units.

(2) On or before May 31 of each year, a unit operator who has used emission credits for compliance purposes in respect of the generating unit for the previous year must submit to the registry operator a report

- (a) containing a notification from the registry operator that the emission credits have been retired, and
- (b) that includes the following calculation for NO<sub>x</sub> and, if applicable, for SO<sub>2</sub> indicating the number of NO<sub>x</sub> and SO<sub>2</sub> emission credits retired for compliance purposes for the previous year:

$$\frac{A - (B \times C)}{1000}$$

Where

A is the actual emissions in kilograms;

B is the annual MWh output for the generating unit for the year;

C is the current emissions standards.