

**Annual Report Of Registry Operations For 2019**  
**Emissions Trading Regulation, Section 15**  
**(Alberta Regulation 33 /2006)**  
**Environmental Protection and Enhancement Act (EPEA)**

**Table 1: Annual Report of Registry Operations in Calendar Year 2019**

In respect of the preceding year: (a) the number of emission credits issued;	7,971 of NO <sub>x</sub> credits and 2,714 of SO <sub>2</sub> credits.
(b) the number of emission credits that have been used for compliance purposes, retired, cancelled or otherwise extinguished;	1,043 NO <sub>x</sub> and 1,455 SO <sub>2</sub> credits were retired.
(c) the number of emission credits discounted and what that discount represents;	The total number of credits in the Registry that were subject to discount at of the end of 2019 (January 1, 2020) included all credits with a vintage of 2017 or earlier and that number is 76,805 NO <sub>x</sub> credits and 38,476 SO <sub>2</sub> credits. These credits are discounted by 10%.  The 10% discount represents 7,680 tonnes of NO <sub>x</sub> and 3,847 tonnes of SO <sub>2</sub> .
(d) the number of transactions recorded by the registry;	No transactions were made.
(e) the aggregate balance of emission credits recorded by the registry;	80,494 NO <sub>x</sub> credits and 38,476 SO <sub>2</sub> credits (balance as of January 1, 2020).
(f) the aggregate mass balance of emission credits after discounting;	72,814 tonnes of NO <sub>x</sub> and 34,629 tonnes of SO <sub>2</sub> .

\_\_\_\_\_ **Original Signed** \_\_\_\_\_, **June 22, 2020** \_\_\_\_\_  
 Sandra Honour, Executive Director, Policy Systems Branch  
 Emissions Trading Regulation's Section 1(1)(n) Director  
 Alberta Environment and Parks  
 Date

## Appendix A: Credits Issued in 2019 and Their Serial Numbers

Status	EPEA	Company	Facility	Unit	2016 NOx	2016 SO2	2017 NOx	2017 SO2	First Credit	Last Credit
Done	773	Capital Power	Genesee	Unit 1&2, assigned to 1	1,455				n2016-000342	n2016-001796
Done	773	Capital Power	Genesee	Unit 1&2, assigned to 1		826			s2016-000425	s2016-001250
done	773	Capital Power	Genesee	Unit 1&2, assigned to 1			1,142		n2017-000001	n2017-001142
Done	773	Capital Power	Genesee	Unit 1&2, assigned to 1				1,199	s2017-000001	s2017-001199
Done	773	Capital Power	Genesee	Unit 3	2,051				n2016-001797	n2016-003847
Done	773	Capital Power	Genesee	Unit 3		204			s2016-001251	s2016-001454
Done	773	Capital Power	Genesee	Unit 3			2,319		n2017-001143	n2017-003461
Done	773	Capital Power	Genesee	Unit 3				485	s2017-001200	s2017-001684
Done	138365	Calgary Energy Centre	Calgary Energy Centre	Unit 1	60				n2016-003848	n2016-003907
Done	138365	Calgary Energy Centre	Calgary Energy Centre	Unit 1			60		n2017-003462	n2017-003521
Done	246216	Enmax	Crossfield	Unit 2			1		n2017-003522	n2017-003522
Done	246216	Enmax	Crossfield	Unit 3			2		n2017-003523	n2017-003524
Done	262757	Enmax	Shepard	Unit 1	528				n2016-003908	n2016-004435
Done	262757	Enmax	Shepard	Unit 1			353		n2017-003525	n2017-003877
Credits By Year					4,094	1,030	3,877	1,684		
Total NOx Credits					7,971					
Total SO2 Credits					2,714					

## Appendix B: Registry Errata (as of June 2020)

**Table B.1**  
**Credits Created in Error (2006 to 2020)**

Start Serial Number	End Serial Number	Total	EPEA	Erroneously created by Alberta Environment to credit of this unit.	Year the error occurred.	Erroneously created credits retired to this account: "Alberta Environment – Retire" for year:
N2010-006131	N2010-006279	-149	9830	Sundance 3	2013	2013
N2006-000108	N2006-000112	-5	1512	Battle River 3	2010	2010
N2007-000047	N2007-000084	-38	1512	Battle River 3	2010	2010
N2008-000407	N2008-000526	-120	138365	Calgary Energy Centre	2010	2010
S2006-000001	S2006-000002	-2	1512	Battle 3	2010	2010
S2007-000001	S2007-000011	-11	1512	Battle 3	2010	2010
S2015-000001	S2015-000963	-963	773	Genesee 2	2017	2017
NS015-004410	N2015-004506	-97	9830	Sundance 4	2017	2017
S2015-003257	S2015-003407	-151	773	Genesee 3	2017	2017
N2015-007904w	N2015-007941w	-38	73899	Muskeg 2	2018	2018

**Table B.2**  
**Credits Retired For Correct Unit and Obligation But Wrong Compliance Year (2006 to 2020)**

Start of Credit Series	End of Credit Series	Number of Credits	Incorrect Retirement Year In Registry	Correct Retirement Year	In This Unit's Retirement Account
N2012-004109	N2012-004289	181	2013	2014	ATCO - 001512 Battle River - 3
N2013-002919	N2013-002956	38	2013	2014	ATCO - 001512 Battle River - 3
S2006-000003	S2006-000181	179	2007	2014	ATCO - 001512 Battle River - 3
S2006-000363	S2006-000999	637	2007	2014	ATCO - 001512 Battle River - 3
S2006-001000	S2006-001349	350	2007	2014	ATCO - 001512 Battle River - 3
S2007-000303	S2007-000999	697	2013	2014	ATCO - 001512 Battle River - 3
S2007-001000	S2007-001999	1000	2013	2014	ATCO - 001512 Battle River - 3
S2007-002000	S2007-002156	157	2013	2014	ATCO - 001512 Battle River - 3
S2008-002465	S2008-002704	240	2013	2014	ATCO - 001512 Battle River - 3
S2012-001582	S2012-002001	420	2013	2014	ATCO - 001512 Battle River - 3

Start of Credit Series	End of Credit Series	Number of Credits	Retirement Year	Nominally Retired To Credit of This Unit	Correct Unit
s2006-005119	s2006-5129	11	2018	ATCO-001512 Battle River-3	ATCO-001512 Battle River-4

## Appendix C: Provisional Compliance Report



Policy and Planning Division  
Oxbridge Place 10<sup>th</sup> Floor  
9820 – 106 Street  
Edmonton, Alberta T6H 2K5  
Canada  
[www.alberta.ca](http://www.alberta.ca)

File: 60047-002

### **Provisional Compliance Report For Calendar Year 2018 Emissions Trading Regulation, Section 55 (Alberta Regulation 33 /2006)**

This provisional report indicates EPEA approval holders retired sufficient credits to satisfy the requirements of their approval in regard of annual NOx and SO2 limits.

**Table 1:  
Summary of Section 55 Reporting for 2018 Compiled by Registry Operator**

EPEA Approval	9814		1512			
Facility	HR Milner		Battle River			
EPEA Approval Holder	Milner Power Corp		ATCO			
Unit	1		3		4	
Generation (MWh)	304,711		101,617		505,225	
Substance	SO2	NOx	SO2	NOx	SO2	NOx
Emission Limit (kg/MWh)	0.65	0.47	0.65	0.47	0.65	0.47
Emissions (kilograms)	534,640	466,450	226,300	141,081	1,141,794	760,144
Actual Intensity (kg/MWh)	1.755	1.531	2.227	1.388	2.260	1.505
Credits Needed (tonnes)	336	323	160	93	813	522
Credits Retired to the Benefit of 2018 (credits)	373	358	177	103	903	580
Mass Value of Retired Credits (tonnes)	336	323	160	93	813	522

Original Signed

Marilea Pattison-Perry  
Director and Registry Operator for the Emissions Trading Regulation  
Alberta Environment and Parks

June 25, 2019  
Date

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

## Attachment 1: Serial Numbers of Credits Retired

**Table 1.1: Serial Numbers of Credits Retired**

Transaction ID	Substance	Requested By	To Account	To Account Type	First Credit	Last Credit	Total
2019-RB001	NO <sub>2</sub>	ATCO	1512-3	Retiring 2018	n2009-004895	n2009-004998	104
2019-RB001	SO <sub>2</sub>	ATCO	1512-3	Retiring 2018	s2006-004942	s2006-005129	188*
2019-RB001	NO <sub>2</sub>	ATCO	1512-4	Retiring 2018	n2008-004834	n2008-004903	70
2019-RB001	NO <sub>2</sub>	ATCO	1512-4	Retiring 2018	n2009-005069	n2009-005547	479
2019-RB001	NO <sub>2</sub>	ATCO	1512-4	Retiring 2018	n2009-005548	n2009-005578	31
2019-RB001	SO <sub>2</sub>	ATCO	1512-4	Retiring 2018	s2011-004691	s2011-005245	555
2019-RB001	SO <sub>2</sub>	ATCO	1512-4	Retiring 2018	s2006-004603	s2006-004941	339
2019-RB002	NO <sub>2</sub>	Maxim	9814-1	Retiring 2018	n2012-004546	n2012-004904	359
2019-RB002	SO <sub>2</sub>	Maxim	9814-1	Retiring 2018	s2007-004516	s2007-004888	373
						<b>Total</b>	2498

\* The Registry Operator retired 11 credits to the benefit of Unit 3 rather than Unit 4. These 11 credits are recognized in this report as being to the credit of Unit 4. The Registry will not be altered.

## **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.

## **Appendix D: Requirements for the Annual Report of Registry Operations**

### **Excerpt from Emissions Trading Regulation (AR 33 / 2006)**

Annual report of registry operations

15 The registry operator must, on or before June 30 of each year, or any other date specified by the Minister, prepare and publish a report containing at least the following information in respect of the preceding year:

- (a) the number of emission credits issued;
- (b) the number of emission credits that have been used for compliance purposes, retired, cancelled or otherwise extinguished;
- (c) the number of emission credits discounted and what that discount represents;
- (d) the number of transactions recorded by the registry;
- (e) the aggregate balance of emission credits recorded in the registry.