



Hiram Walker & Sons Limited
Pernod Ricard

Summary Letter as required under Toxics Reduction Act and Ontario
Regulation 455/09

Hiram Walker & Sons Limited

NPRI ID: 7353
2072 Riverside Drive
Windsor, ON
N8Y 4S5
Canada
Number of employees: 200

Contact Information

Neil Bishop
Position: Senior Director- Walkerville Operations
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Geographical Coordinates

Latitude: 42.32580
Longitude: -83.00850
Datum: 1983

Standard Industrial Classifications

- NAICS 2 Code: 31-33 - Manufacturing
- NAICS 4 Code: 3121 – Beverage Manufacturing
- NAICS 6 Code: 312140 - Distilleries

2018 Substance Information (tons)

Substance Name	CAS Number	Amount Entering Process	Amount Created	Amount Released to Air	Amount Off-Site Disposal	Amount Contained in Product
Nitrogen Oxides (as NO ₂)	11104-93-1	0	100 to 1,000	166.27	0	N/A
Carbon Monoxide	630-08-0	0	10 to 100	49.88	0	N/A
Ammonia	NA-16	100 to 1,000	N/A	N/A	0	N/A
PM ₁₀	NA – M09	0	1 to 10	1.23	0	N/A
PM _{2.5}	NA-M10	0	1 to 10	1.19	0	N/A
Ethanol	64-17-5	0	10 to 100	32.40	0	N/A
Pentane	NA-35	0	1 to 10	1.10	0	N/A



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For comparison purposes, the following table provides a summary of the 2017 and 2018 TRA Accounting values.

Comparison of 2017 to 2018 Reportable TRA Substances (tons)

Substance Name	Year	Amount Entering Process	Amount Created	Amount Released to Air	Amount Off-Site Disposal	Amount Contained in Product
Nitrogen Oxides (as NO ₂) CAS 11104-93-1	2017	0	100 to 1,000	159.32	0	0
	2018	0	100 to 1,000	166.27	0	0
	Change in % and Tons	N/A	Increase of 4.36% or 6.95 tons	Increase of 4.36% or 6.95 tons	N/A	N/A
	Rationale	N/A	Natural Gas usage increase	Natural Gas usage increase	N/A	N/A
	No plans to reduce the creation of Nitrogen Oxides have been identified.					
Carbon Monoxide CAS 630-08-0	2017	0	10 to 100	47.80	0	0
	2018	0	10 to 100	49.88	0	0
	Change in % and Tons	N/A	Increase of 4.35% or 2.08 tons	Increase of 4.35% or 2.08 tons	N/A	NA
	Rationale	N/A	Natural Gas usage increase	Natural Gas usage increase	N/A	NA
	No plans to reduce the creation of Carbon Monoxide have been identified.					
Ammonia CAS NA-16	2017	158.21	0	0	0	0
	2018	153.79	0	0	0	0
	Change in % and Tons	Decrease of 2.79% or 4.42 tons	N/A	N/A	N/A	N/A
	Rationale	Increased efficiency during fermentation process	N/A	N/A	N/A	N/A



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Substance Name	Year	Amount Entering Process	Amount Created	Amount Released to Air	Amount Off-Site Disposal	Amount Contained in Product
No plans to reduce the use of Ammonia have been identified.						
PM ₁₀ CAS NA-M09	2017	0	1 to 10	1.17	0	0
	2018	0	1 to 10	1.23	0	0
	Change in % and Tons	N/A	Increase of 5.13% or 0.06 tons	Increase of 5.13% or 0.06 tons	N/A	N/A
	Rationale	N/A	Natural Gas usage increase	Natural Gas usage increase	N/A	N/A
	No plans to reduce the creation of PM ₁₀ have been identified.					
PM _{2.5} CAS NA-M10	2017	0	1 to 10	1.14	0	0
	2018	0	1 to 10	1.19	0	0
	Change in % and Tons	N/A	Increase of 4.38% or 0.05 tons	Increase of 4.38% or 0.05 tons	N/A	N/A
	Rationale	N/A	Natural Gas usage increase	Natural Gas usage increase	N/A	N/A
	No plans to reduce the creation of PM _{2.5} have been identified.					
Ethanol CAS 64-17-5	2017	0	10 to 100	33.23	0	0
	2018	0	10 to 100	32.40	0	0
	Change in % and Tons	N/A	Decrease of 2.49% or 0.83 tons	Decrease of 2.49% or 0.83 tons	N/A	N/A
	Rationale	N/A	Production increase	Production increase	N/A	N/A
	No plans to reduce the creation of ethanol have been identified.					

Certification

As of June 1, 2019, I, Neil Bishop, certify that I have read the report on the toxic substance reduction plan for the toxic substances referred to above and am familiar with its contents, and to my knowledge the information contained in the report is factually accurate and the report complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Signed, in Windsor, ON, on June 1, 2019

Neil Bishop, Senior Director- Walkerville Operations
Hiram Walker & Sons Limited