

September 15, 2021

Project 849

Durham Furniture Inc.  
450 Lambton Street West  
Durham, ON N0G 1R0  
(t) 519 369-2607 x2230

**Re: 2020 NPRI/TRA and Written Summary Annual Reporting  
Final Report**

The following letter report summarizes the review conducted for the 2020 NPRI, TRA annual reporting along with the ECA annual summary.

For the NPRI/TRA finishing product usage, recycle, wood and natural gas combustion data were reviewed. Thresholds for PM 2.5 and 10, and total VOCs were met. Speciated VOCs reported were Ethyl Alcohol, Toluene, N Butyl Acetate, and Xylene.

Part 5 Speciated VOCs - Toluene and Xylene were added for 2020 (both were just under limits in 2019). Ethyl Alcohol and N Butyl Acetate were both reportable again in 2020 as in 2019.

A detailed report is given in Attachment 1 including NPRI, TRA, and confirmation of submission September 15, 2021 (deadline September 30, 2021) after working for two months with the help desk to fix a glitch in their system in their TRA sections preventing submission.

Environmental Compliance Approval (Air and Noise) Number 7758-A8LKAX (November 4, 2016) Condition 5.1 requires that an updated log be kept, ESDM and AAR reports updated no later than June 30 (accurate as of December 31 in the previous year). We understand there were no changes to facility operations in 2020 that impacted air or noise emissions.

In accordance with Condition 6, an Annual Written Summary be prepared and submitted by August 31 of each year. Attachment 2 provides the written summary submitted on April 2, 2021, along with the Source Summary and Emission Summary tables.

An updated ESDM was prepared in October 2020 for year 2020 for Durham's onsite files.

If there are any questions, please do not hesitate to contact the undersigned.

Yours truly,  
CCS Engineering Inc.

A handwritten signature in black ink, appearing to read "Jim Anderson".

Jim Anderson, M.Eng., P.Eng.  
Principal  
JA/JA  
Attachments

Durham Furniture Inc.  
2020 NPRI/TRA Review and Written Summary Report

**Single Windows Summary Report  
Confirmation of Submission  
NPRI/TRA Review**



# National Pollutant Release Inventory (NPRI) and Partners



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SWIM > 2020 > Durham Furniture Inc. > Durham Plant > Report Preview

## Summary Report

NPRI ID

5897

Company Name

Durham Furniture Inc.

Facility Name

Durham Plant

Facility Address

450 Lambton Street West, Durham (Ontario)

## Report Details

Report Status

Submitted (2021-09-15 10:39:01 AM)

Reporting Period

2020

Report Type

Inventory (Programs: NPRI, ON MECP TRA)

## Substances

### Inventory

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - M09	PM10 - Particulate Matter <= 10 Microns	1.666000	N/A	N/A	N/A	tonnes
NA - M10	PM2.5 - Particulate Matter <= 2.5 Microns	1.436000	N/A	N/A	N/A	tonnes
NA - M16	Volatile Organic Compounds (VOCs)	15.953000	6.031600	N/A	N/A	tonnes

Version: 3.18.10

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# Report Submission and Electronic Certification

## NPRI - Electronic Statement of Certification

Specify the language of correspondence

Comments (optional)

I hereby certify that I have exercised due diligence to ensure that the submitted information is true and complete. The amounts and values for the facility(ies) identified below are accurate, based on reasonable estimates using available data. The data for the facility(ies) that I represent are hereby submitted to the programs identified below using the Single Window Reporting Application.

I also acknowledge that the data will be made public.

Note: Only the person identified as the Certifying Official or the authorized delegate should submit the report(s) identified below.

Company Name

Certifying Official (or authorized delegate)

Report Submitted by

I, the Certifying Official or authorized delegate, agree with the statements above and acknowledge that by pressing the "Submit Report(s)" button, I am electronically certifying and submitting the facility report(s) for the identified company to its affiliated programs.

## ON MECP TRA - Electronic Certification Statement

### Annual Report Certification Statement

As of 2021-09-15, I, Luke Simpson, certify that I have read the reports on the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the information contained in the reports is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

### TRA Substance List\*

**CAS RN**

**Substance Name**

NA - M09

PM10 - Particulate Matter

NA - M10

PM2.5 - Particulate Matter

## Exit Record Certification Statement

### TRA Exit Record Substances

**CAS RN**

**Substance Name**

8052-41-3

Stoddard solvent

Company Name

Durham Furniture Inc.

Highest Ranking Employee

Luke Simpson

Report Submitted by

Jim Anderson

Website address

ccseng.ca

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.

### Submitted Report

Period	Submission Date	Facility Name	Province	City	Programs
2020	2021-09-15	Durham Plant	Ontario	Durham	NPRI, ON MECP TRA

Note: If there is a change in the contact information for the facility, a change in the owner or operator of the facility, if operations at the facility are terminated, or if information submitted for any previous year was mistaken or inaccurate, please update this information through SWIM or by contacting the National Pollutant

**Release Inventory directly.**

**From:** [SGU / SWS \(ECCC\)](#) on behalf of [Inrp / Npri \(EC/EC\)](#)  
**To:** [Jim Anderson](#)  
**Subject:** INRP - Confirmation de soumission - [2020] / NPRI – Confirmation of Submission – [2020]  
**Date:** September 15, 2021 10:39:13 AM

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[Environnement Canada] [Symbole du gouvernement du Canada]  
Confirmation de soumission

Confirmation of Submission

Jim Anderson, Jim Anderson,

Le but de ce courriel est de vous informer que la déclaration suivante a été soumise avec succès dans le Guichet unique d'Environnement Canada: The purpose of this email is to notify you that the following report has been successfully submitted into Environment Canada's Single Window reporting system:

Période de déclaration: 2020  
Programme: INRP,MEPP LRT  
INRP ID: 5897  
Type de déclaration: Inventaire  
Nom de la compagnie: Durham Furniture Inc.  
Nom de l'installation: Durham Plant  
Adresse de l'installation: 450 Lambton Street West, Durham (Ontario)  
Date et temps de soumission: 2021-09-15 10:39:01 AM

Reporting Period: 2020  
Program: NPRI,ON MECP TRA  
NPRI ID: 5897  
Report Type: Inventory  
Company Name: Durham Furniture Inc.  
Facility Name: Durham Plant  
Facility location: 450 Lambton Street West, Durham (Ontario)  
Submitted Date and Time: 2021-09-15 10:39:01 AM

Pour visualiser ou mettre à jour la déclaration, veuillez vous connecter au Guichet unique d'Environnement Canada (<https://ec.ss.ec.gc.ca>). To view or update the report, please log in to Environment Canada's Single Window (<https://ec.ss.ec.gc.ca>).

Substances Planned for						
Contaminant	CAS	Date Submitted	Reporting Year	Renewal Date	Exited Rptg Yr	Reinstated
Methyl Alcohol	67-56-1	December 31 2012	2011	December 31 2019	2015	
Toluene	108-88-3	December 31 2012	2011	December 31 2019	2018	
Xylenes	1330-20-7	December 31 2012	2011	December 31 2019	2018	
Ethyl Alcohol	64-17-5	December 31 2013	2012	December 31 2019		
Isopropyl Alcohol	67-83-0	December 31 2013	2012	December 31 2019	2014	2017
Methyl Ethyl Ketone	78-93-3	December 31 2013	2012	December 31 2019	2014	2017
N-Butyl Acetate	123-85-4	December 31 2013	2012	December 31 2019		
Hydrotreated Kerosene	64742-47-8	December 31 2013	2012	December 31 2019	2018	
Acetone	67-64-1	December 31 2013	2012	December 31 2019	2018	2019
PM 2.5	-	December 31 2013	2012	December 31 2019		
PM 10	-	December 31 2013	2012	December 31 2019		
Ethyl Acetate	141-78-6	December 31 2014	2013	December 31 2019	2014	
Mineral Spirits	8052-41-3	December 31, 2015	2014	December 31 2019	2019	

Mr. Ford revoked all planning requirements in 2019. TRA is repealed in 2021.

## Phasing out the Toxics Reduction Act



Minister, MECP (MECP) <Minister.MECP@ontario.ca>  
To Jim Anderson



Thu 2019-04-18 2:45 PM

Dear Jim Anderson,

In an effort to reduce red tape and regulatory burden on Ontario business and job creators, we have identified Ontario's *Toxics Reduction Act* as a prime example of duplicative, burdensome regulation. After consulting the public, our government has now passed legislation to phase out the *Toxics Reduction Act*. Our government recognizes that the federal government, through their Chemical Management Plan, has jurisdiction to act on toxic substances.

For the 2018 calendar year and onwards, all Ontario businesses will no longer need to prepare new plans, review existing plans, or report on new substances. Only facilities with existing plans will be required to annually report on substances that continue to meet the prescribed thresholds.

Once the federal government has finalized their chemical management assessments in 2021, our government will repeal the *Toxics Reduction Act* to remove any duplicative burden to industry.

Our government is committed to protecting the environment in a responsible and balanced way that creates jobs, respects taxpayers and grows the economy. We have committed to cutting red tape affecting businesses by 25 per cent – targeting red tape that is unnecessary, duplicative and outdated. We believe that business owners should spend more time growing their business, than filling out paper work.

The ministry has posted the [Act Decision Notice](#) and the [Regulation Decision Notice](#) on the Environmental Registry and updated information on the [Toxics Reduction website](#).

For assistance with Single Window, please continue to contact the helpdesk at (416) 649-4480 or 1 (855) 815-6400.

Sincerely,

Rod Phillips  
Minister

<b>Durham Furniture Inc. (Durham)</b>	
<b>NPRI / TRA</b>	<b>2020</b>

SITE DETAILS			
Company	Durham Furniture Inc.	Parent Company	N/A
Site Name	Durham Facility	% Ownership	
Address	450 Lambton Street W Durham ON N0G 1R0 Canada	Address	
Latitude	44.105	D&B D-U-N-S No.	
Longitude	-80.492	Federal Business No.	
UTM Zone	17		
UTM Easting	514033.7		
UTM Northing	4891412.3		
NPRI ID	5897		
MOE ID	291700		
D&B D-U-N-S No.	24-923-8981		
Federal Business No.	132743337		
NAICS Code (6 digits)	337123		
CDN SIC (4 digits)	2611		
US SIC (4 digits)	2511		

CONTACT INFORMATION			
Project Coordinator	Luke Simpson	Technical Contact	Lynn Morris
Position	President and CEO	Position	Health and Safety Supervisor
Address	450 Lambton Street W Durham ON N0G 1R0 Canada	Address	450 Lambton Street W Durham ON N0G 1R0 Canada
Phone	519-369-2345 x 2246	Phone	519-369-2607 x2290
Fax	519-369-2715	Fax	519-369-2715
Email	<a href="mailto:lsimpson@durhamfurniture.com">lsimpson@durhamfurniture.com</a>	Email	<a href="mailto:lmorris@durhamfurniture.com">lmorris@durhamfurniture.com</a>
Public Contact	Luke Simpson	Certifying Contact	Luke Simpson
Position	President and CEO	Position	President and CEO
Address	450 Lambton Street W Durham ON N0G 1R0 Canada	Address	450 Lambton Street W Durham ON N0G 1R0 Canada
Phone	519-369-2345 x 2246	Phone	519-369-2345 x 2246
Fax	519-369-2715	Fax	519-369-2715
Email	<a href="mailto:lsimpson@durhamfurniture.com">lsimpson@durhamfurniture.com</a>	Email	<a href="mailto:lsimpson@durhamfurniture.com">lsimpson@durhamfurniture.com</a>
Contractor	Jim Anderson		
Position	Principal		
Company	CCS Engineering Inc.		
Address	69 Lawrence Street Wellesley ON N0B 2T0 Canada		
Phone	519 504 7241		
Fax	226 646 1113		
Email	<a href="mailto:jim@ccseng.ca">jim@ccseng.ca</a>		

TYPICAL FACILITY OPERATION IN REPORTING YEAR			
Days of Operation	<input checked="" type="checkbox"/> Monday <input checked="" type="checkbox"/> Tuesday <input checked="" type="checkbox"/> Wednesday <input checked="" type="checkbox"/> Thursday <input checked="" type="checkbox"/> Friday <input type="checkbox"/> Saturday <input type="checkbox"/> Sunday		
Hours of Operation	<input type="checkbox"/> 24 hr <input type="checkbox"/> 16 hr <input checked="" type="checkbox"/> 8 hr <input type="checkbox"/> Other	Start Time:	6:00
	If other, total number of daily hours:		
Shutdowns > 1 week (incl. start/end date)	March 23- Apr 13, July 27-Aug 3		
No. of Employees	160		

Month	Possible Production Days	Monthly Percentage	Quarterly Percentage
February	19	7.724%	
March	21	8.537%	
April	21	8.537%	25.6%
May	21	8.537%	
June	21	8.537%	
July	18	7.317%	23.6%
August	19	7.724%	
September	21	8.537%	
October	22	8.943%	25.6%
November	20	8.130%	
December	21	8.537%	
<b>Total</b>	<b>246</b>	<b>100.000%</b>	

**Part 1A: Core Substances**

Nothing to report.

**Part 1B: Other Substances**

Nothing to report.

**Part 2: Polycyclic Aromatic Hydrocarbons**

Nothing to report.

**Part 3: Hexachlorobenzene and Dioxins / Furans**

Nothing to report.

**Part 4: Criteria Air Contaminants**

Report:

CAS	Substance Name	2020 Releases (tonnes)	2019 Releases (tonnes)	2018 Releases (tonnes)	2017 Releases (tonnes)	2016 Releases (tonnes)	2015 Releases (tonnes)	2014 Releases (tonnes)	2013 Releases (tonnes)	% Change in Releases	Emission Basis
-	PM-2.5	1.4361	1.9217	2.1081	2.1824	1.6589	1.5346	1.4433	1.663	-25.3%	EF
-	PM-10	1.6657	2.2304	2.4263	2.5322	1.9243	1.7800	1.6735	1.929	-25.3%	EF
-	VOCs	19.4999	14.0814	12.0832	37.7971	24.1614	19.7434	30.1880	41.554	38.5%	C-MB

**Part 5: Speciated Volatile Organic Compounds**

CAS	Substance Name	2020 Emissions (tonnes)	2019 Emissions (tonnes)	2018 Emissions (tonnes)	2017 Emissions (tonnes)	2016 Emissions (tonnes)	2015 Emissions (tonnes)	2014 Emissions (tonnes)	2013 Emissions (tonnes)	% Change in Releases	
64-17-5	Ethyl Alcohol	3.5546	2.2402	2.6660	5.9566	4.4089	5.74293701	5.3977	7.054	58.7%	
67-63-0	Isopropanol	0.6935	0.4091	0.4463	1.1304	0.7477	1.00087092	--	--	69.5%	MOECP required exit in 2015, put back
78-93-3	MEK	0.2636	0.1446	0.1662	1.0630	0.5071	--	--	--	82.2%	MOECP required exit in 2015, put back
67-56-1	Methyl Alcohol	0.1578	0.1221	0.2586	0.9199	0.4813	0.87748758	1.0233	1.716	29.2%	Exit for 2014
108-88-3	Toluene	1.9179	0.8867	0.9179	4.7836	2.2043	3.93453575	4.0703	6.271	116.3%	Exit for 2018
123-86-4	N-Butyl Acetate	3.5397	2.5450	2.3620	6.3113	3.7272	5.76893289	5.9723	9.199	39.1%	
1330-20-7	Xylenes	1.8025	0.8614	0.8249	1.8929	1.2283	1.30005871	1.5437	1.922	109.3%	Exit for 2018
8052-41-3	Mineral Spirits	0.0628	0.9509	1.0036	2.5243	1.9028	2.36803988	3.1073	--	-93.4%	Exit for 2019
8032-32-4	Mineral Spirits	0.0231	0.0277	0.6165	0.2451	--	--	--	--	-16.5%	Exit for 2018
Total Speciated VOCs:		11.9922	8.1601	8.6456	24.5820	14.7006	20.9928627	21.1146	32.7939412	47.0%	

Not reportable - for info purposes only

**Part 1A: Substances**

**Wood Combustion**

Amount of wood Burned:	1262700	lb/yr
	573,955	kg/yr
For dry wood:	8,000	btu/lb
	17,636.68	btu/kg
Total Btu:	10,122.66	MMBtu/yr

Organic Compound	CAS	Emission Factor (lb/MMBtu)	Emission Rate (kg)
Acetaldehyde	75-07-0	8.30E-04	3.8
Acrolein	107-02-8	4.00E-03	18.4
Benzene	71-43-2	4.20E-03	19.3
Chlorine	7782-50-5	7.90E-04	3.6
Formaldehyde	50-00-0	4.40E-03	20.2
Styrene	100-42-5	1.90E-03	8.7
Toluene	108-88-3	9.20E-04	4.2
Xylene	1330-20-7	2.50E-05	0.1
Chromium	*	2.10E-05	0.1
Silver	*	1.70E-03	7.8
Zinc	*	4.20E-04	1.9

\* and its compounds

**Product Usage**

Contaminant	CAS	MPO (Axalta) (kg)	MPO (RPM) (kg)	MPO (Wood) (kg)	Total MPO (kg)	Threshold (kg)	Report (Y/N)	Recycled (kg)	Emitted to Air (kg)
Manganese (and its compounds)	--					10,000	No		
Chromium (and its compounds)	--		0.459	0.10	0.6	10,000	No		0.56
Silver	--			7.81	7.8	10,000	No		7.81
Zinc	--			1.93	1.9	10,000	No		1.93
Cobalt (and its compounds)	--					10,000	No		
Formaldehyde	50-00-0	20.570	2.910	20.203	43.7	10,000	No	11.821	31.86
Methyl Alcohol	67-56-1	1260.790	0.060		1,260.9	10,000	No	1103.073	157.78
Isopropyl Alcohol	67-63-0	853.680	542.840		1,396.5	10,000	No	703.063	693.46
N-Butyl Alcohol	71-36-3		252.920		252.9	10,000	No	127.330	125.59
Benzene	71-43-2		0.240	19.285	19.5	10,000	No	0.121	19.40
Acetaldehyde	75-07-0			3.81	3.8	10,000	No		3.81
Isobutyl Alcohol	78-83-1	2297.200	0.110		2,297.3	10,000	No	1156.557	1,140.75
Methyl Ethyl Ketone	78-93-3	1364.080	152.690		1,516.8	10,000	No	1253.202	263.57
Naphthalene	91-20-3	19.810			19.8	10,000	No	9.973	9.84
O-Xylene	95-47-6		24.020		24.0	10,000	No		24.02
1,2,4-Trimethylbenzene	95-63-6	73.340	7.200		80.5	10,000	No	40.547	39.99
Cumene	98-82-8	8.690			8.7	10,000	No	4.375	4.32
Ethylbenzene	100-41-4	743.950	27.218		771.2	10,000	No	388.237	382.93
Styrene	100-42-5			8.72	8.7	10,000	No		8.72
P-Xylene	106-42-3		18.880		18.9	10,000	No		18.88
Acrolein	107-02-8			18.37	18.4	10,000	No		18.37
Ethylene Glycol	107-21-1					10,000	No		
Vinyl Acetate	108-05-4					10,000	No		
Methyl Isobutyl Ketone	108-10-1	721.300	44.710		766.0	10,000	No	385.640	380.37
M-Xylene	108-38-3		54.610		54.6	10,000	No		54.61
Toluene	108-88-3	6835.960	1133.310	4.224	7,973.5	10,000	No	6,055.58	1,917.91
Cyclohexane	110-82-7					10,000	No		
Ethylene Glycol Monobutyl Ether	111-76-2					10,000	No		
Diethylene Glycol Monomethyl Ether	111-77-3					10,000	No		
Hydroquinone	123-31-9					10,000	No		
1,4 - Dioxane	123-91-1					10,000	No		
Butylated Hydroxy Toluene	128-37-0					10,000	No		
N-Methylpyrrolidone	872-50-4					10,000	No		
Xylene	1330-20-7	3532.160		0.115	3,532.3	10,000	No	1827.320	1,704.96
Aluminium Oxide	1344-28-1					10,000	No		
Nitric Acid Sodium Salt	7631-99-4					10,000	No		
Phosphoric Acid	7664-38-2					10,000	No		
Ammonia	7664-41-7					10,000	No		
Sulfuric Acid	7664-93-9					10,000	No		
Chlorine	7782-50-5			3.627	3.6	10,000	No		3.63

**Part 1B: Other Substances**

Amount of wood Burned:	573,954.55	kg/yr
For dry wood:	8,000	btu/lb
	17,636.68	btu/kg
Total Btu:	10,122.66	MMBtu/yr

Organic Compound	Emission Factor (lb/MMBtu)	Emission Rate (kg)	Threshold (kg)	Report?
Arsenic	2.20E-05	0.1	50	No
Cadmium	4.10E-06	0.0	5	No
Hexavalent Chromium	3.50E-06	0.0	50	No
Lead	4.80E-05	0.2	50	No
Mercury	3.50E-06	0.0	5	No
Selenium	2.80E-06	0.0	100	No
Tetraethyl lead	n/a	-	50	No

**Product Usage**

Contaminant	CAS	MPO (Axalta) (kg)	MPO (RPM) (kg)	Total MPO (kg)	Threshold (kg)	Report (Y/N)
Nonylphenol, Branched, Ethoxylated	68412-54-4	0.00	0.000	0.000	1000	No

**Part 2: Polycyclic Aromatic Hydrocarbons**

Amount of wood burned:	573,954.55	kg/yr
For dry wood:	8,000	btu/lb
	17,636.68	btu/kg
Total Btu:	10,122.66	MMBtu/yr

CAS	Organic Compound	Emission Factor (lb/MMBtu)	Emission Rate (kg)	Threshold (kg)	Report?
129-00-0	Pyrene	3.70E-06	1.70E-02	5	No
85-01-8	Phenathrene	7.00E-06	3.21E-02	5	No
198-55-0	Perylene	5.20E-10	2.39E-06	5	No
50-32-8	Benzo(a)pyrene	2.60E-06	1.19E-02	5	No
53-70-3	Dibenzo(a,h)anthracene	9.10E-09	4.18E-05	5	No
56-55-3	Benzo(a)anthracene	6.50E-08	2.98E-04	5	No
83-32-9	Acenaphthene	9.10E-07	4.18E-03	5	No
86-73-7	Fluorene	3.40E-06	1.56E-02	5	No
191-24-2	Benzo(g,h,i)perylene	9.30E-08	4.27E-04	5	No
192-97-2	Benzo(e)pyrene	2.60E-09	1.19E-05	5	No
193-39-5	Indeno(1,2,3-c,d)pyrene	8.70E-08	3.99E-04	5	No
205-99-2	Benzo(b)fluoranthene	1.00E-07	4.59E-04	5	No
206-44-0	Fluoranthene	1.60E-06	7.35E-03	5	No
207-08-9	Benzo(k)fluoranthene	3.60E-08	1.65E-04	5	No
208-96-8	Acenaphthylene	5.00E-06	2.30E-02	5	No
	<b>PAHs Total</b>		<b>1.13E-01</b>	<b>50</b>	<b>No</b>

**Part 3: Hexachlorobenzene and Dioxins / Furans**

Nothing to Report

**Part 4: Criteria Air Contaminants**

<b>Wood Boiler:</b>			
Amount of wood burned:	573,955	kg/yr	
For dry wood:	8,000	btu/lb	
	17,636.68	btu/kg	
Total Btu:	10,122.66	MMBtu/yr	

CAS	Substance	Emission Factor (lb/MMBtu)	Emissions from Wood (kg)
630-08-0	Carbon Monoxide	0.6	2,755
11104-93-1	Nitrogen Oxides	0.49	2,250
--	PM-2.5	0.31	1,423
--	PM-10	0.36	1,653
7446-09-5	Sulphur Dioxide	0.025	115
--	Total PM-100	0.4	1,837
--	VOCs	0.017	78
	Carbon Dioxide	195	895,369

<b>From Stains and Lacquers:</b>				
CAS	Substance	MPO from Paints (kg)	Recycled (kg)	Emissions from Paints (kg)
--	PM-2.5	0.00	0.00	0.00
--	PM-10	0.00	0.00	0.00
--	Total PM-100	2,897	3,315	-2
--	VOCs	44,347	24,962	19,385

<b>Non-VOCs Used (kg)</b>	2,897
---------------------------	-------

\*based on non-VOCs with 50% overspray and 99% capture

<b>Natural Gas Usage:</b>				
Natural Gas Used:	416,832.02	m <sup>3</sup>		

CAS	Substance	Emission Factor (lb/10 <sup>6</sup> scf)	Emission Factor (kg/10 <sup>6</sup> m <sup>3</sup> )	Emissions from Nat Gas (kg)
630-08-0	Carbon Monoxide	84	1344	560.22
10102-43-9	Nitrogen Oxides	100	1600	666.93
--	PM-2.5	1.9	30	12.67
--	PM-10	1.9	30	12.67
7446-09-5	Sulphur Dioxide	0.6	10	4.00
--	Total PM-100	1.9	30	12.67
--	VOCs	5.5	88	36.68

Substance	HHV <sup>1</sup>	EF <sup>2</sup>	(tonnes/yr)	Limit 10,000
Carbon Dioxide	0.03832	49.03	783.1563	

<b>Total:</b>				
CAS	Substance	Total Emissions (tonnes)	Threshold (tonnes)	Report?
630-08-0	Carbon Monoxide	3.315	20	No
10102-43-9	Nitrogen Oxides	2.917	20	No
--	PM-2.5	1.436	0.3	Yes
--	PM-10	1.666	0.5	Yes
7446-09-5	Sulphur Dioxide	0.119	20	No
--	Total PM-100	1.847	20	No
--	VOCs	19.500	10	Yes
	CO2	1678.525	10000	No

**Part 5: Speciated Volatile Organic Compounds**

Report for speciated VOCs if Part 4 VOC Quantity is > 10 tonne threshold.

Part 4 VOC Quantity = 19.5

CAS	VOC	MPO (Axalta) (kg)	% of Axalta Use	Amt Recycled (kg)	MPO (RPM) (kg)	% of RPM Use	Amt Recycled (kg)	MPO (Comet) (kg)	Wood (kg)	Recycled VOC from Paints (kg)	Recycled VOC from Cleaners (kg)	Total Recycled VOC (kg)	Total Speciated VOCs Emitted (kg)	Threshold (kg)	Report?
50-00-0	Formaldehyde	20.570	0.001	10.356	2.91	0.0002	1.465		20.20	11.82		11.82	31.86	1000	No
57-55-6	Propylene Glycol				13.46	0.00112	6.776			6.78		6.78	6.68	n/a	No
64-17-5	Ethyl Alcohol	5448.680	0.158	2743.081	1709.68	0.14	860.721			3,603.80		3,603.80	3,554.56	1000	Yes
64-19-7	Acetic Acid													n/a	No
67-56-1	Methyl Alcohol	1260.790	0.036	634.732	0.06	0.00	0.030			634.76	468.31	1,103.07	157.78	1000	No
67-63-0	Isopropyl Alcohol	853.680	0.025	429.776	542.84	0.05	273.287			703.06		703.06	693.46	1000	No
71-36-3	N-Butanol				252.92	0.021	127.330			127.33		127.33	125.59	n/a	No
71-43-2	Benzene				0.24	0.00002	0.121		19.28	0.12		0.121	19.40	1000	No
78-83-1	Isobutanol	2297.200	0.066	1156.501	0.11	0.00001	0.055			1,156.56		1,156.56	1,140.75	n/a	No
78-93-3	Methyl Ethyl Ketone	1364.080	0.039	686.732	152.69	0.01	76.870			763.60	489.60	1,253.20	263.57	1000	No
91-20-3	Naphthalene	19.810	0.0006	9.973			9.97			9.97		9.97	9.84	n/a	No
95-63-6	1,2,4-Trimethylbenzene	73.340	0.002	36.922	7.20	0.000598	3.6248			40.55		40.55	39.99	1000	No
96-29-7	2-Butanone Oxime				4.54	0.0004	2.286			2.29		2.29	2.25	n/a	No
97-64-3	Ethyl Lactate													n/a	No
97-85-8	Isobutyl Isobutyrate													n/a	No
97-99-4	Tetrahydrofurfuryl Alcohol													n/a	No
98-82-8	Cumene	8.690	0.0003	4.375						4.37		4.37	4.32	n/a	No
100-41-4	Ethyl Benzene	743.950	0.022	374.534	27.22	0.002	13.703			388.24		388.24	382.93	n/a	No
107-21-1	Ethylene Glycol													n/a	No
107-98-2	Propylene Glycol Methyl Ether	40.770	0.001	20.525	94.38	0.01	47.515			68.04		68.04	67.11	n/a	No
108-05-4	Vinyl Acetate													1000	No
108-10-1	Methyl Isobutyl Ketone	721.300	0.021	363.131	44.71	0.00	22.509			385.64		385.64	380.37	1000	No
108-65-6	Propylene Glycol M.E. Acetate	259.340	0.008	130.562	316.68	0.03	159.429			289.99		289.99	286.03	1000	No
108-83-8	2,6-Dimethylheptan-4-One													n/a	No
108-82-7	2,6-DIMETHYL-4-HEPTANOL													n/a	No
108-88-3	Toluene	6835.960	0.198	3441.493	1133.31	0.094	570.553		4.22	4,012.05	2,043.54	6,055.58	1,917.91	1000	Yes
110-19-0	Isobutyl Acetate				901.95	0.07	454.077			454.08		454.08	447.87	n/a	No
111-65-9	Octane													1000	No
111-76-2	Ethylene Glycol Butyl Ether													1000	No
111-77-3	Diethylene G. Monomethyl Ether													n/a	No
111-84-2	Nonane													1000	No
112-34-5	Diethylene G. Monobutyl Ether													1000	No
123-86-4	N-Butyl Acetate	5932.160	0.172	2986.484	1882.11	0.16	947.529			3,934.01	340.59	4,274.60	3,539.67	1000	Yes
141-78-6	Ethyl Acetate	1055.850	0.031	531.557						531.56	489.60	1,021.16	34.69	1000	No
142-82-5	Heptane													1000	No
763-69-9	Ethyl-3-Ethoxy Propionate													n/a	No
1309-48-4	Magnesia													n/a	No
95-47-6	o-xylene				24.02	0.002	12.093			12.09		12.09	11.93	n/a	No
106-42-3	p-xylene				18.88	0.002	9.505			9.50		9.50	9.38	n/a	No
108-38-3	m-xylene				54.61	0.005	27.493			27.49		27.49	27.12	n/a	No
1330-20-7	Total Xylene*	3532.160	0.102	1778.229	97.51	0.01	49.090		0.11	1,827.32		1,827.32	1,802.47	1000	Yes
1569-02-4	1-Ethoxy-2-Propanol	3.950	0.000	1.989	1.35	0.000	0.682			2.67		2.67	2.63	n/a	No
2517-43-3	3-Methoxy-1-Butanol													n/a	No
7397-62-8	Hydroxyacetic Acid N-butyl Ester													n/a	No
7727-43-7	Barium Sulphate													n/a	No
8008-20-6	Kerosene													n/a	No
8032-32-4	Mineral Spirits	46.590	0.001	23.455						23.46		23.46	23.13	1000	No
8052-41-3	Mineral Spirits							314.00			251.20	251.20	62.80	1000	No
872-50-4	N-Methylpyrrolidone													n/a	No
19089-47-5	2-Ethoxy-1-Propanol													n/a	No
19549-80-5	4,6-Dimethylheptane-2-one													n/a	No
25551-13-7	Trimethyl Benzene													1000	No
34590-94-8	dipropylene glycol monomethyl ether													n/a	No
64741-65-7	Naphtha Petr.Heavy Alkylate													1000	No
64742-47-8	Hydrotreated Kerosene	28.020	0.001	14.106	540.89	0.04	272.305	314.00		286.41	251.20	537.61	345.30	1000	No
64742-48-9	Petroleum Distillate													1000	No
64742-49-0	Naphtha Petr.Hydrotreated,Ligh				303.14	0.03	152.613			152.61		152.61	150.53	n/a	No
64742-82-1	Naphtha (Petroleum), Hydrodesulphurized Heavy													n/a	No
64742-88-7	Aliphatic Petroleum Distillate				1033.53	0.09	520.320			520.32		520.32	513.21	1000	No
64742-89-8	Aliphatic Naphtha	59.500	0.002	29.955						29.95	425.74	455.69	-396.19	1000	No
64742-94-5	Aromatic Petroleum Solvent	252.060	0.007	126.897						126.90		126.90	125.16	1000	No
64742-95-6	Aromatic Naphtha	90.240	0.003	45.430	19.32	0.00	9.726			55.16		55.16	54.40	1000	No
70657-70-4	2-Methoxy-1-Acetoxy Propane													n/a	No
<b>Total (kg)</b>		<b>30,949</b>	<b>0.895</b>	<b>15,580.795</b>	<b>9,083</b>	<b>0.754</b>	<b>4,572.617</b>	<b>628</b>	<b>43.83</b>	<b>20,153.41</b>	<b>4,759.77</b>	<b>24,962.27</b>	<b>15,838.51</b>		
<b>Non-VOCs (Solids)</b>				<b>1,822.914</b>			<b>1,492.404</b>			<b>3,315.32</b>					

\* Includes o-xylene, p-xylene & m-xylene

20,202.50

**Recycling**

		2019	2018	2017	2016	2015	2014
Waste Sent Offsite as 212H:	31365 L	36695	31160	15785	29315	17630	10660
Assume Specific Gravity of:	0.9						
Waste Sent Offsite as 212H:	28228.5 kg						
Amount of Thinners recycled from cleaning:	4759.8 kg						
Amount of Product recycled from remainder:	23468.7 kg						

Per facility staff, 80-90% (assumed to be 85%) of the amounts recycled are from the cleaning operations. The remainder is from a mixture of the glazes, lacquers, etc. that are in use.

Thinners used for cleaning (and in production) which are recycled are:	% used for mixing	% used for cleaning
390-7001 E-Z Thinner from Valspar	30%	70%
FM0008 Mineral Spirits from Comet Chemical	20%	80%

Recycled product sent to:  
Maratek

**390-7001**

E-Z THINNER	Chemical Name	CAS Number	MPO (kg)	% Sent for recycling	Recycled (kg)	Emitted (kg)	NPRI Part
	BUTYL ACETATE	123-86-4	486.55	70%	340.6	145.97	5, VOC
	ETHYL ACETATE	141-78-6	699.43	70%	489.6	209.83	5, VOC
	124 tmb	95-63-6	0.00	70%	0.0	0.00	1A, 5, VOC
	METHYL ALCOHOL	67-56-1	669.02	70%	468.3	200.70	1A, 5, VOC
	METHYL ETHYL KETONE	78-93-3	699.43	70%	489.6	209.83	1A, 5, VOC
	NAPHTHA	64742-89-8	608.19	70%	425.7	182.46	5, VOC
	TOLUENE	108-88-3	2,919.34	70%	2043.5	875.80	1A, 5, VOC
	<b>Item Total</b>		6,081.96	70%	4257.3692	1824.5868	

**COMET**

Mineral Spirits	Chemical Name	CAS Number	MPO (kg)	% Sent for recycling	Recycled (kg)	Emitted (kg)	NPRI Part
	Petroleum Distillate	64742-47-8	314.00	80%	251.2	62.80	5, VOC
	Stoddard Solvent	8052-41-3	314.00	80%	251.2	62.80	5, VOC
	<b>Item Total</b>		628.00	80%	502.4	125.6	

Total VOCs Recycled: 4759.7692

## Table 2A: Airborne Contaminants with Release Based Thresholds

All substances from Table 2A are de-listed. No review and reporting under Table 2A is therefore required.

## Table 2B: Airborne Contaminants with MPO Thresholds

Nothing to Report. Reporting requirements for 127 revoked June 2020.

CAS	Substance	MPO (kg)	Threshold (kg)	Report?	Emissions (tonnes)
67-64-1	Acetone	6,512	3,000	Yes	6.5119

## Table 2B: MPO Threshold Calculations

Product	Acetone
	67-64-1
Sub-Total Axalta (kg)	3,620.92
Sub-Total RPM (kg)	2,890.96
Total MPO (kg)	6,511.88
MPO Threshold (kg)	3,000
Report?	Yes
Emissions* (kg)	6511.9

From: [Wong, Savio \(MECP\)](#)  
 To: [Facility, Onair \(MECP\)](#)  
 Subject: Decision to remove all requirements for acetone reporting (EBR#: 013-4639)  
 Date: October 29, 2019 8:45:10 AM

We have finalized our decision to remove reporting requirements for acetone.

In 2014 the federal government concluded that acetone is not a toxic substance under the *Canadian Environmental Protection Act* and that the risk of harm to human health and the environment is low.

Ending acetone reporting aligns Ontario with the other Canadian provinces and territories that have not required acetone release reporting since 1998. This will reduce burden for facilities while maintaining strong environmental protections.

You are still required to follow the federal government's Chemicals Management Plan program, which assesses and manages chemicals in Canada, under the *Canadian Environmental Protection Act*.

All facilities currently required to report on acetone will continue to be regulated by the Local Air Quality Regulation to ensure that the air standard for the substance is not exceeded.

The last day that you were required to report on acetone was June 3, 2019. You are not required to report on the substance for the 2019 reporting year and thereafter.

This decision has been posted to the [Environmental Registry of Ontario](#) and will be posted to the [Regulatory Registry](#) under the title Removing Acetone Reporting Requirements.

Robyn Kurtes

Director, Environmental Policy Branch

Priority Substances to Report

List of substances meeting TRA thresholds for current year:

CAS	Substance	Description of Processes that Use or Create Substance	NPRI Part	NPRI Threshold (tonnes)	2020 Used (tonnes)	2019 Used (tonnes)	2018 Used (tonnes)	% change	2020 Created (tonnes)	2019 Created (tonnes)	2018 Created (tonnes)	% change	2020-2015 CIP (tonnes)	% change	Quantification Method(s) Used	Rationale for Using Selected Method(s)
108-88-3	Toluene	Finishing products, thinners, and cleaning	5	1	7.969	7.826	7.159	2%	0.004	0.006	0.006	-26%	0.000	0.000	MB/EF	No monitoring data available.
1330-20-7	Xylenes	Finishing products	5	1	3.630	2.305	1.998	57%	0.0001	0.0002	0.0002	-26%	0.000	0.000	MB/EF	No monitoring data available.
64-17-5	Ethyl Alcohol	Finishing products, thinners	5	1	7.158	5.857	6.341	22%	0.000	0.000	0.000	0%	0.000	0.000	MB	No monitoring data available.
8052-41-3	Mineral Spirits	Finishing products, thinners, and cleaning	5	1	0.314	2.694	2.597	-88%	0.000	0.000	0.000	0%	0.000	0.000	MB	No monitoring data available.
123-85-4	N-Butyl Acetate	Finishing products, thinners, and cleaning	5	1	7.814	7.722	6.546	1%	0.000	0.000	0.000	0%	0.000	0.000	MB	No monitoring data available.
67-63-0	IPA	Finishing products	5	1	1.397	1.095	1.081	28%	0.000	0.000	0.000	0%	0.000		MB	No monitoring data available.
78-93-3	MEK	Finishing products, thinners, and cleaning	5	1	1.517	1.697	1.589	-11%	0.000	0.000	0.000	0%	0.000		MB	No monitoring data available.
67-64-1	Acetone	Finishing products	2B	3	6.512	5.016	1.133	30%	0.000	0.000	0.000	0%	0.000	0.000	MB	No monitoring data available.
-	PM 2.5	Finishing products, wood and nat gas combustion	4	0.3	0.000	0.000	0.000	0%	1.436	1.922	1.922	-25%	0.000	0.000	EF	No monitoring data available.
-	PM 10	Finishing products, wood and nat gas combustion	4	0.5	0.000	0.000	0.000	0%	1.666	2.230	2.230	-25%	0.000	0.000	EF	No monitoring data available.

Changes in values from year to year are a result of production changes resulting in stain use changes, solvent use changes and natural gas or wood use changes.

As of April 10, 2021, I, Luke Simpson, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act.

Signature  
Luke Simpson

April 10, 2021  
Date

Process Description / Quantification

**Receiving/Inventory** - Durham Furniture receives paints including (lacquers, glazes, stains and sealers) as well as solvents and thinners from finishing suppliers. Finishing products and cleaning solvents are stored in closed containers until ready for use. There are no emissions associated with the storage of the finishing/cleaning products during this stage.

**Mixing** - paints are reduced/mixed with thinners as required. The mixing stage occurs over a relatively short period of time and no significant emissions are expected to be associated with this process.

**Spray Painting & Drying** - mixed finishing products are applied to the wood products in the facility's spray booths and dried prior to moving to the final assembly processes. All solvents applied during the spraying operations are driven off during either the spraying or drying operations and none continue on as part of the product sent for assembly. A small portion of the finishing products may end up as waste paint throughout the year which is collected and sent off-site for recycling.

**Cleaning** - finishing gun and line cleaning is conducted using a solvent product which is recovered for off-site recycling. A small portion of the finishing products applied using the guns would also be washed out of the guns/lines using the solvents and would be part of the overall paint/solvent waste sent off-site for recycling.

**Assembly, Storage, Shipping** - the final finished products do not release any solvents as these are expected to have been driven off during the finishing and drying operations.

Combustion Processes

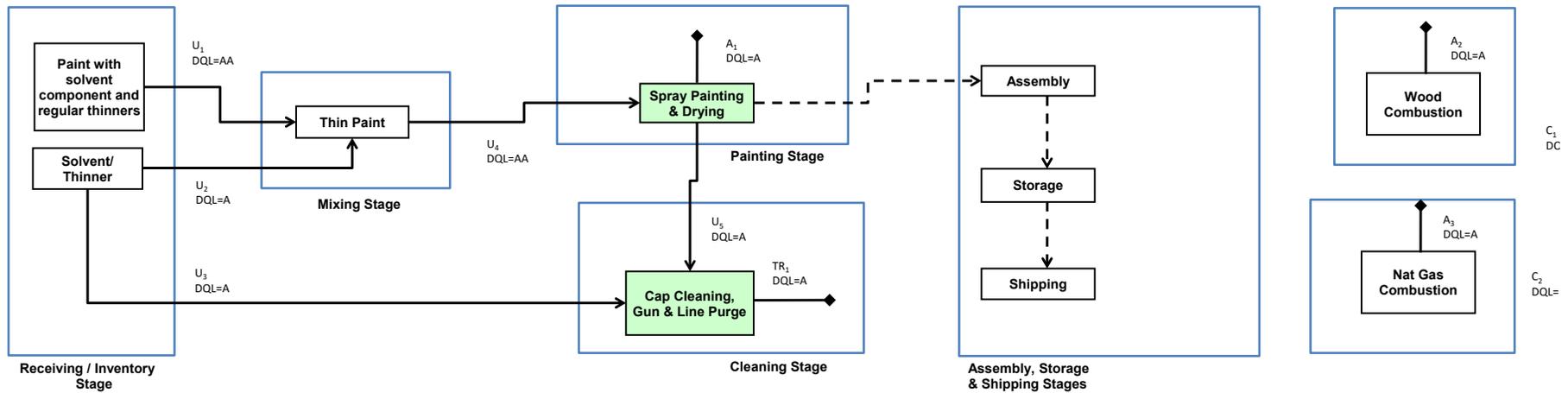
**Wood Combustion** - the facility uses clean waste wood generated during wood processing operations to generate comfort and process heat for the facility. Combustion by-products include a small amount of solvents and particulates emitted to the atmosphere.

Input/Output Balance Check

CAS	Substance	Total Inputs	Total Outputs	Balance (% Difference in I/O)	Explanation for no "approximate" balance, if any (≥ 10% difference)
108-88-3	Toluene	7.973	7.978	0.1%	n/a
1330-20-7	Xylenes	3.630	3.630	0.0%	n/a
64-17-5	Ethyl Alcohol	7.158	7.158	0.0%	n/a
8052-41-3	Mineral Spirits	0.314	0.314	0.0%	n/a
123-85-4	N-Butyl Acetate	7.814	7.814	0.0%	n/a
67-63-0	IPA	1.397	1.397	0.0%	n/a
78-93-3	MEK	1.517	1.517	0.0%	n/a
67-64-1	Acetone	6.512	6.512	0.0%	n/a
-	PM 2.5	1.436	1.436	0.0%	n/a
-	PM 10	1.666	1.666	0.0%	n/a

NOTE: Process Flow Diagrams will show quantities transformed and/or destroyed. Not requested for report in Single Windows. Substances released, disposed of, and/or transferred/recycled are reported under NPRI. See NPRI worksheet or associated calculation tabs.

**TOXIC REDUCTION ACT  
PROCESS FLOW DIAGRAM AND QUANTIFICATION**



**Legend**

- - - - -> Absence of toxic substance
- > Onsite or offsite release, or offsite transfer of a toxic substance
- > Denotes presence of toxic substance

U = Use of toxic substance  
 C = Creation of a toxic substance  
 Int = Intermediary  
 D = Destruction of toxic substance  
 A = onsite release of toxic substance to Air  
 L = onsite release of toxic substance to Land  
 W = onsite release of toxic substance to Water  
 DIS = Onsite or offsite disposal of toxic substance  
 TR = Offsite transfer of toxic substance for treatment or recycling  
 DQL = Data Quality Level  
 H = High  
 AA = Above Average  
 A = Average  
 U = Uncertain

2020

Quantification Summary*	Xylene	Methanol	Toluene	Ethyl/Alcohol	Mineral Spirits	N-Butyl Acetate	Acetone	IPA	MEK	PM 2.5	PM 10	VOCs
CAS #	1330-20-7	67-56-1	108-88-3	64-17-5	8052-41-3	123-85-4	67-64-1	67-63-0	79-93-3	-	-	-
	(tonnes)	(tonnes)	(tonnes)	(tonnes)	(tonnes)	(tonnes)	(tonnes)	(tonnes)	(tonnes)	(tonnes)	(tonnes)	(tonnes)
U <sub>1</sub>	3.630	0.592	5.050	7.158	0.000	7.328	6.512	1.397	0.817	0.000	0.000	33.949
U <sub>2</sub>	0.000	0.201	0.876	0.000	0.063	0.146	0.000	0.000	0.210	0.000	0.000	1.950
U <sub>3</sub>	0.000	0.468	2.044	0.000	0.251	0.341	0.000	0.000	0.490	0.000	0.000	4.760
U <sub>4</sub>	3.630	0.793	5.926	7.158	0.063	7.474	6.512	1.397	1.027	0.000	0.000	35.900
A <sub>1</sub>	1.802	0.158	1.918	3.555	0.063	3.540	6.512	0.693	0.264	0.000	0.000	15.839
C <sub>1</sub>	0.0001	0.000	0.0042	0.000	0.000	0.000	0.000	0.000	0.000	1.423	1.653	0.078
A <sub>2</sub>	0.0001	0.000	0.0042	0.000	0.000	0.000	0.000	0.000	0.000	1.423	1.653	0.078
C <sub>2</sub>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0127	0.013	0.037
A <sub>3</sub>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0127	0.013	0.037
U <sub>5</sub>	1.827	0.635	4.012	3.604	0.000	3.934	0.000	0.703	0.764	0.000	0.000	20.153
TR <sub>1</sub>	1.827	1.103	6.056	3.604	0.251	4.275	0.000	0.703	1.253	0.000	0.000	24.962
Total Used	3.630	1.261	7.969	7.158	0.314	7.814	6.512	1.397	1.517	0.000	0.000	40.659
Total Created	0.0001	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	1.436	1.666	0.115
Total Contained in Product	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Released to Air	1.803	0.158	1.922	3.555	0.063	3.540	6.512	0.693	0.264	1.436	1.666	15.953
Total Released to Water	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Released to Land	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total Recycled	1.827	1.103	6.056	3.604	0.251	4.275	0.000	0.703	1.253	0.000	0.000	24.962
<b>Total Inputs</b>	<b>3.630</b>	<b>1.261</b>	<b>7.973</b>	<b>7.158</b>	<b>0.3140</b>	<b>7.814</b>	<b>6.512</b>	<b>1.397</b>	<b>1.517</b>	<b>1.436</b>	<b>1.666</b>	<b>40.774</b>
<b>Total Outputs</b>	<b>3.630</b>	<b>1.261</b>	<b>7.978</b>	<b>7.158</b>	<b>0.3140</b>	<b>7.814</b>	<b>6.512</b>	<b>1.397</b>	<b>1.517</b>	<b>1.436</b>	<b>1.666</b>	<b>40.916</b>

\* also see NPRI calculation tabs for more detailed quantifications for substances and associated products.

\*\*\*\* Not reportable as regulation revoked - for info purposes only

**Axalta NPRI and REG 127 Summary Report for Canadian Customers**

Customer Name	DURHAM FURNITURE INC	Customer Number	
Transaction Date From:	January 1, 2020	Transaction Date To:	December 31, 2020

Chemical Name	CAS Number	NPRI And Ont Reg 127 Kilos	Ont Reg 127 Only Kilos	VOC Kilos	Non VOC	Part
1,2,4-TRIMETHYLBENZENE	95-63-6	73.34	0	73.34	0	Part 1A & Part 5
ETHYLBENZENE	100-41-4	743.95	0	743.95	0	Part 1A
2-ETHYL HEXYL ALCOHOL	104-76-7	0	0	0	0	--
ETHYLENE GLYCOL	107-21-1	0	0	0	0	Part 1A
PROPYLENE GLYCOL MONO METHYL ETHER	107-98-2	40.77	0	40.77	0	--
VINYL ACETATE	108-05-4	0	0	0	0	Part 1A & Part 5
METHYL ISOBUTYL KETONE	108-10-1	721.3	0	721.3	0	Part 1A & Part 5
PROPYLENEGLYCOL MONOMETHYL ETHER	108-65-6	259.34	0	259.34	0	Part 5
TOLUENE	108-88-3	6835.96	0	6835.96	0	Part 1A & Part 5
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	0	0	0	0	Part 1A & Part 5
DIETHYLENE GLYCOL MONOMETHYL ETHER	111-77-3	0	0	0	0	Part 1A
DIETHYLENE GLYCOL BUTYL ETHER	112-34-5	0	0	0	0	Part 5
HYDROQUINONE	123-31-9	0	0	0	0	Part 1A
BUTYL ACETATE	123-86-4	5932.16	0	5932.16	0	Part 5
1,4-DIOXANE	123-91-1	0	0	0	0	Part 1A
BURNT UMBER PIGMENT	12713-03-0	0	0	0	0	--
BUTYLATED HYDROXY TOLUENE	128-37-0	0	0	0	0	Part 1A
IRON OXIDE	1309-37-1	0	0	0	0	--
MANGANESE OXIDE	1313-13-9	0	0	0	0	Part 1A
MANGANESE OXIDE	1317-34-6	0	0	0	0	Part 1A
XYLENE	1330-20-7	3532.16	0	3532.16	0	Part 1A & Part 5
COBALT OCTOATE	136-52-7	0	0	0	0	Part 1A
ETHYL ACETATE	141-78-6	1055.85	0	1055.85	0	Part 5
HEPTANE	142-82-5	0	0	0	0	Part 5
C.I. PIGMENT BLUE 15	147-14-8	0	0	0	0	--
ETHOXYPROPANOL	1569-02-4	3.95	0	3.95	0	--
DIPROPYLENE GLYCOL	25265-71-8	0	0	0	0	--
ISOBUTYRIC ACID MONO ESTER	25265-77-4	0	0	0	0	--
NEODECANOIC ACID, MANGANESE SALT	27253-32-3	0	0	0	0	Part 1A
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	0	0	0	0	--
BIOCIDE DISPERSION	35691-65-7	0	0	0	0	--
FORMALDEHYDE	50-00-0	20.57	0	20.57	0	Part 1A & Part 5
4,4-DIMETHYL-1-OXA-3-AZACYCLOPENTANE	51200-87-4	0	0	0	0	--
BLACK PIGMENT	5610-64-0	0	0	0	0	--
PROPYLENE GLYCOL	57-55-6	0	0	0	0	--
ETHANOL	64-17-5	5448.68	0	5448.68	0	Part 5
ACETIC ACID	64-19-7	0	0	0	0	--
MINERAL SPIRITS	64742-47-8	28.02	0	28.02	0	Part 5
NAPHTHA	64742-48-9	0	0	0	0	Part 5
NAPHTHA (PETROLEUM), HYDRODESULFURIZED	64742-82-1	0	0	0	0	--
NAPHTHA	64742-88-7	0	0	0	0	Part 5
NAPHTHA	64742-89-8	59.5	0	59.5	0	Part 5
AROMATIC NAPHTHA, HEAVY	64742-94-5	252.06	0	252.06	0	Part 5
AROMATIC NAPHTHA, LIGHT	64742-95-6	90.24	0	90.24	0	Part 5
CLAY	66402-68-4	0	0	0	0	--
METHYL ALCOHOL	67-56-1	1260.79	0	1260.79	0	Part 1A & Part 5
ISOPROPYL ALCOHOL	67-63-0	853.68	0	853.68	0	Part 1A & Part 5
ACETONE - EXEMPT SOLVENT	67-64-1	3620.92	3620.92	3620.92	0	2B
NONYLPHENOL, BRANCHED, ETHOXYLATED	68412-54-4	0	0	0	0	Part 1B
2-METHOXY-1-ACETOXY PROPANE	70657-70-4	0	0	0	0	--
C.I. ACID YELLOW 220	70851-34-2	0	0	0	0	--
N-BUTYL ALCOHOL	71-36-3	0	0	0	0	Part 1A
BENZENE	71-43-2	0	0	0	0	Part 1A & Part 5
ETHYL 3-ETHOXYPROPIONATE	763-69-9	0	0	0	0	--
PHOSPHORIC ACID	7664-38-2	0	0	0	0	Part 1A
AMMONIA	7664-41-7	0	0	0	0	Part 1A
ISOBUTYL ALCOHOL	78-83-1	2297.2	0	2297.2	0	Part 1A
METHYL ETHYL KETONE	78-93-3	1364.08	0	1364.08	0	Part 1A & Part 5
KEROSENE	8008-20-6	0	0	0	0	--
MINERAL SPIRITS	8032-32-4	46.59	0	46.59	0	Part 5
STODDARD SOLVENT	8052-41-3	0	0	0	0	Part 5
N-METHYLPYRROLIDONE	872-50-4	0	0	0	0	Part 1A
NAPHTHALENE	91-20-3	19.81	0	19.81	0	Part 1A
2-BUTANONE OXIME	96-29-7	0	0	0	0	--
ISOBUTYL ISOBUTYRATE	97-85-8	0	0	0	0	--
CUMENE	98-82-8	8.69	0	8.69	0	Part 1A
FRAGRANCE	UNKNOWN	0	0	0	0	--
<b>TOTAL</b>		<b>34,569.61</b>	<b>3,620.92</b>	<b>34,569.61</b>	<b>0.00</b>	

# RPM Wood Finishes Group

## Customer Specific Chemical Summary Report 2020data

Customer: Durham Furniture

### Reportable Chemicals Summary:

CAS #	Chemical Name		<u>Lbs Emission</u>	<u>kg Emission</u>	Canada_N PRI	Canada_ ON_127	Canada_O N_Voc	Voc (kg)	Non Voc (kg)	Non Voc (kg)
50-00-0	formaldehyde		11.07	2.91	0.00	0.00	2.91	2.91	0.00	0.00
57-55-6	propylene glycol		17.64	13.46	0.00	0.00	13.46	13.46	0.00	0.00
64-17-5	ethanol	Part 5	3,339.77	1,709.68	0.00	0.00	1,709.68	1,709.68	0.00	0.00
67-56-1	methanol		0.25	0.06	0.00	0.00	0.06	0.06	0.00	0.00
67-63-0	isopropanol	Part 1A Part 5	870.54	542.84	542.84	542.84	542.84	542.84	0.00	0.00
67-64-1	acetone	Table 2B	4,227.98	2,890.96	0.00	2,890.96	0.00	0.00	2,890.96	2,890.96
71-36-3	butanol	Part 1A	322.52	252.92	252.92	252.92	252.92	252.92	0.00	0.00
71-43-2	benzene	Part 1A Part 5	0.56	0.24	0.24	0.24	0.24	0.24	0.00	0.00
78-93-3	mek	Part 5	504.12	152.69		152.69	152.69	152.69	0.00	0.00
78-83-1	isobutanol	Part 1A	0.11	0.11	0.11	0.11	0.11	0.11	0.00	0.00
95-47-6	o-xylene	Part 1A Part 5	68.68	24.02	24.02	0.00	24.02	24.02	0.00	0.00
95-63-6	tmb		13.59	7.20	7.20		7.20	7.20	0.00	0.00
96-29-7	methyl ethyl ketoxime		5.50	4.54	4.54	0.00	4.54	4.54	0.00	0.00
97-64-3	Ethyl Lactate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100-41-4	ethylbenzene	Part 1A	59.88	27.22	27.22	27.22	27.22	27.22	0.00	0.00
106-42-3	p-xylene	Part 1A Part 5	54.37	18.88	18.88	0.00	18.88	18.88	0.00	0.00
107-98-2	propylene glycol monomethyl ether		126.48	94.38	0.00	94.38	94.38	94.38	0.00	0.00
108-10-1	mibk		176.65	44.71			44.71	44.71	0.00	0.00
108-38-3	m-xylene	Part 1A Part 5	155.79	54.61	54.61	0.00	54.61	54.61	0.00	0.00
108-65-6	pm acetate	Part 5	563.28	316.68	0.00	316.68	316.68	316.68	0.00	0.00
108-88-3	toluene	Part 1A Part 5	2,802.03	1,133.31	1,133.31	1,133.31	1,133.31	1,133.31	0.00	0.00
110-19-0	isobutyl acetate		1,428.63	901.95	0.00	0.00	901.95	901.95	0.00	0.00
110-43-0	mak		72.97	23.85			23.85	23.85	0.00	0.00
110-82-7	cyclohexane	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111-65-9	Octane	Part 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111-84-2	nonane	Part 5	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123-19-3	dipropylketone		37.74	12.34			12.34	12.34	0.00	0.00
123-86-4	n-butyl acetate	Part 5	4,238.74	1,882.11	0.00	0.00	1,882.11	1,882.11	0.00	0.00
141--78-6	ethyl acetate		204.82	33.83			33.83	33.83	0.00	0.00
142-82-5	heptane	Part 5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
546-93-0	magnesium carbonate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
577-11-7	bis(2-ethylhexyl) sodium sulfosuccinate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1309-37-1	iron oxide		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1317-60-8	ferric oxide		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1332-58-7	aluminum silicate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1333-86-4	carbon black		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1569-02-4	ethoxypropanol		2.98	1.35	0.00	1.35	1.35	1.35	0.00	0.00
7440-47-3	trivalent chromium	Part 1A	1.01	0.46	0.46	0.46	0.00	0.00	0.46	0.46
7732-18-5	water		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8030-76-0	soy lecithin		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9007-13-0	calcium resinate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14807-96-6	magnesium silicate hydrate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14808-60-7	crystalline silica		12.95	5.89	0.00	0.00	0.00	0.00	5.89	5.89
34590-94-8	dipropylene glycol monomethyl ether		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52125-53-8	propylene glycol monoethyl ether		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56819-40-0	metal complex dye	--	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64742-47-8	aliphatic petroleum distillates	Part 5	657.24	540.89	540.89	540.89	540.89	540.89	0.00	0.00

CAS #	Chemical Name		<u>Lbs Emission</u>	<u>kg Emission</u>	Canada_N PRI	Canada_ ON_127	Canada_ N_Voc	Voc (kg)	Non Voc (kg)	Non Voc (kg)	
64742-49-0	petroleum distillate	--	234.45	303.14	303.14	0.00	303.14	303.14	0.00	0.00	
64742-95-6	aromatic hydrocarbons	Part 5	35.73	19.32	19.32	19.32	19.32	19.32	0.00	0.00	
64742-88-7	aliphatic	Part 5	1,314.03	1,033.53	1,033.53	1,033.53	1,033.53	1,033.53	0.00	0.00	
68911-87-5	organoclay		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
70657-70-4	2-methoxy-1-propanol acetate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
070851-34-2	cobalt compound	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
071486-79-8	calcium sulfonate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
071839-77-5	solvent red 130		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
112945-52-5	fumed silica		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
251298-11-0	cetyl-oleyl polyoxyethylene sodium phosphate		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	alkyd resin solids		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	alkylamide and ester salts		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	antisetling agent solids		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	black dye		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	brown pigment		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	chromium complex	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	chromium compound	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	defoamer solids		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	organic-chrome complex	Part 1A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	red dye		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
proprietary	thixotrope solids		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
				12,050.08							
<b>Grand Totals(Lbs):</b>			<b>21,551.08</b>	<b>12,047.17</b>	<b>3,963.23</b>	<b>0.00</b>	<b>7,006.90</b>	<b>9,149.86</b>	<b>9,149.86</b>	<b>2,897.31</b>	<b>2,897.31</b>
2018 Grand Totals(Lbs):			15181.32	6900.6	1555.027	0	2951.13	5261.468	5261.468182	1213.54091	1213.54091

**2020 Purchases from Comet**

Description	Quantity (kg)	Chemical Name	CAS Number	% breakdown	MPO (kg)
FM0008 Mineral Spirits COMSOL 3139	628	Petroleum Distillate	64742-47-8	50%	314
		Stoddard Solvent	8052-41-3	50%	314
		<b>Total</b>			<b>628</b>
Methyl Ethyl Alcohol	0	Ethyl Alcohol	64-17-5	50%	0
		Methyl Alcohol	67-56-1	50%	0
		<b>Total</b>			<b>0</b>

2019	2018	2017	2016	2015	2014
644	644	644	628	924	628

**ECA Annual Written Summary Report**

**From:** [Jim Anderson](#)  
**To:** ["CofAeSubmission@ontario.ca"](mailto:CofAeSubmission@ontario.ca)  
**Cc:** ["Lynn Morris"](#)  
**Subject:** 7758-A8LKAX Durham Furniture 2020 WS submission  
**Date:** April 2, 2021 1:03:00 PM  
**Attachments:** [Durham WS Form April 2021.pdf](#)  
[Durham 2020 WS cover letter log.pdf](#)

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Written Summary Submission

Company: Durham Furniture Inc.  
Certificate of Approval Number: 7758-A8LKAX  
Due Date for Written Summary: 2021/08/31

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Jim Anderson, M.Eng., P.Eng.  
CCS Engineering Inc.  
(519) 504 7241

March 30, 2021

Section 9 Director  
Ministry of the Environment and Climate Change  
Environment Assessment and Approvals Branch  
135 St. Clair Avenue West, Floor 1  
Toronto ON M4V 1P5

Re: Written Summary for Reporting Year 2020  
Environmental Compliance Approval (Air/Noise) Number 7758-A8LKAX

This is to confirm that the Durham Furniture Inc. facility, located in Durham, Ontario operated in compliance with the Performance Limits set forth in our Environmental Compliance Approval (Air and Noise) Number 7758-A8LKAX (November 4, 2016) as noted above.

The attached Written Summary provides the information required by Condition 6 of the above noted ECA.

Sincerely,



Luke Simpson  
President & CEO

c. District Manager  
Owen Sound Area Office  
101 – 17<sup>th</sup> Street East  
Owen Sound ON N4K 0A5

## **MODIFICATION LOG**

**Durham Furniture Inc.**

**Environmental Compliance Approval (Air and Noise) Number 7758-A8LKAX (November 4, 2016)**

No modifications were made in 2020.

<b>Date Changed</b>	<b>Description of Change</b>	<b>Emission Summary Dispersion Modelling Report Changes</b>
N/A	None	None

Revision Date: December 31, 2020