

March 28th, 2022

District Manager
Halton-Peel District, Central Region
Ontario Ministry of the Environment
4145 North Service Road, Suite 300
Burlington, ON L7I 6A3

Reference: Certificate of Approval Number A680324
2021 Annual Report for the Autoclaves and the Site.

Dear District Manager:

As required by condition 51 of the above referenced certificate of approval, please find below the Annual Report for the Stericycle Autoclaves and site operation located at 95 Deerhurst Drive in Brampton Ontario for the 2021 reporting year.

(a) Monthly summary of tonnages of all wastes processed at, stored and /or transferred to the Site:

As shown below, Stericycle received a grand total of **7,853,163** kilograms of acceptable waste. **2,708,102** kilograms were incineration waste (anatomical, cytotoxic, and hazardous pharmaceutical and hazardous contract product destruction waste); **5,135,634** kilograms were autoclavable biomedical waste and non-hazardous contract product destruction waste, and the remaining **9,427** kilograms were transfer waste (dental amalgam, x-ray backing and photo-processing waste).

Deerhurst Site 2021 Waste Volumes						
Month	Incineration			Autoclave	Transfer	Monthly
	Path (312P)	Rx (261)	Cyto (312P)	Bio (312P)	148 & 264	Totals
January	39,779	154,401	59,123	369,780	1,159	624,242
February	35,292	162,215	60,047	377,487	542	635,583
March	29,071	101,217	47,316	463,236	885	641,725
April	41,016	140,629	61,525	427,334	757	671,261
May	34,441	137,960	63,467	404,366	978	641,212
June	35,411	111,002	57,788	443,830	928	648,959
July	38,247	114,711	59,622	477,801	619	691,000
August	27,115	113,680	51,086	408,073	483	600,437
September	31,232	122,364	46,896	417,282	823	618,597
October	32,488	170,224	55,312	441,800	931	700,755
November	40,836	162,631	69,526	473,362	568	746,923
December	33,977	114,716	51,739	431,283	754	632,469
Totals	418,905	1,605,750	683,447	5,135,634	9,427	7,853,163



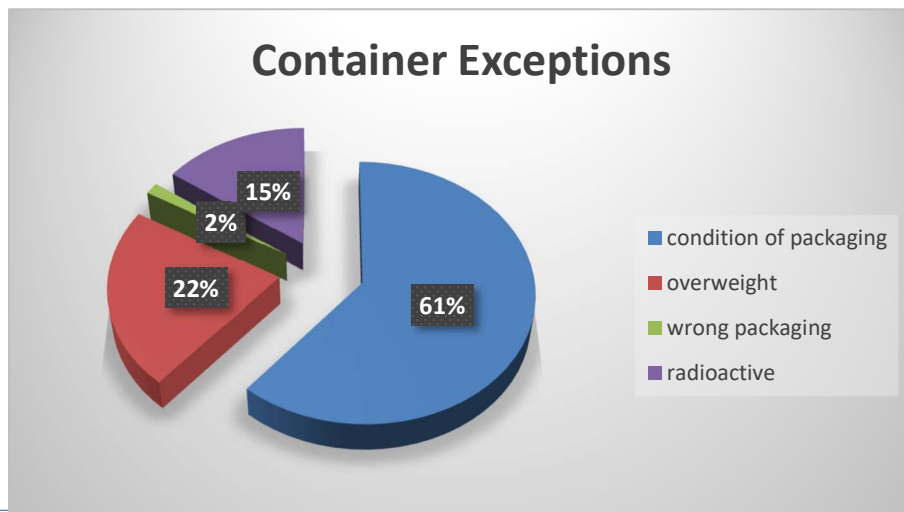
A total of **34,988** kilograms of biomedical waste was transferred to Stericycle’s Sheridan NY facility for autoclave treatment.

2021 Waste Transfers to U.S. Stericycle sites				
Month	Incinerate		Autoclave	Total
	Anatomical & Cytotoxic (312)	Rx (261B)	Biomedical (312P)	KGS
January				-
February				-
March				-
April				-
May			9,000	9,000
June			25,988	25,988
July				-
August				-
September				-
October				-
November				-
December				-
Total KGs	-	-	34,988	34,988

(b) Details of any incidents involving improperly labelled incoming waste and any actions taken to ensure proper handling of all wastes and to minimize the potential for reoccurrence of the improper labelling:

In 2021, Stericycle occasionally received waste containers that were improperly packaged, improperly labeled, overweight or radioactive. The following breakdown illustrates the containers received that triggered an exception report:

- Condition of Packaging = 85
- Overweight = 31
- Wrong Packaging = 2
- Radioactive = 21



All exception reports are properly recorded and distributed to the appropriate Client Care Manager for review with the individual waste generator to ensure such occurrences are minimized/eliminated.

Note that all Stericycle drivers and plant workers are continually educated on all applicable regulatory requirements. This helps in ensuring that non compliant packages are not collected by our drivers, therefore minimizing the number of exception reports for improper condition of packaging.

(c) Dates when the Autoclave was operated during the reporting period, including start and finish times as well as the names of the Trained Company representatives who were responsible for the proper operation of the Autoclaves:

The autoclaves were typically operated from Sunday nights to Saturday mornings with the exception of Christmas Day, Boxing Day and New Years Day. The autoclave is currently operated from 10:00pm each Sunday through to 11:00pm each Friday. If needed, an additional shift was run on Saturday mornings to accommodate for varying waste volumes. Over three shifts the autoclaves were under the control of Usman Shaibu – Day shift Supervisor, Denver D’Cruz – Afternoon shift Supervisor, and Samuel Arthur – Night shift Supervisor.

A comprehensive and detailed record of all the autoclave sterilization cycles remains on file at the site for inspection by the MOE at any time, this through the autoclave charts, which maintain the following operating parameters: start time, finish time, cycle time, temperatures, pressures, and confirmation of pre & post vacuum.

(d) Details of any loads that failed the Autoclave Verification testing required under condition 46(1):

Stericycle continues to test the efficiency of the autoclaves every six (6) operating days without exception. There were no Autoclave Verification failures through 2021.

(e) Any environmental and operational problems, including spills, that may have negatively impacted the quality of the environment encountered during the operation of the autoclave and any mitigative actions taken, including a summary of any complaints received regarding the operation of the autoclaves, as described under Condition 10(1):

There were no such operational problems encountered through 2021.

(f) Summary of all complaints received, and any actions taken to mitigate.

There were no complaints received (neither the general public nor neighboring companies) through 2021.

(g) A statement as to the compliance with all Conditions of this Certificate and with the inspection and reporting requirements of the Conditions contained herein:

Stericycle warrants that it has exercised best efforts to adhere to all the applicable Terms & Conditions of its Waste Disposal Site Certificate of Approval including all inspection and reporting requirements through the 2021 operating year.

Stericycle is very committed to the full compliance with all conditions of its Provisional Certificate of Approval, throughout the year, whenever a situation of possible non-compliance was identified; immediate actions were taken to ensure full compliance. Stericycle has mechanisms in place to ensure full compliance at all times. Employees are aware of their responsibilities and are trained appropriately.

(h) Any recommendations to minimize environmental impacts and improve Site operations and monitoring programs.

Stericycle believes that the current monitoring program is sufficient and enables both Stericycle and the MECP to have a good understanding of the Site operations and to assess its compliance with the Certificate of Approval and all the relevant regulations.

However, Stericycle is very committed to looking for ways to improve its operations through better procedures, training, inspections and monitoring programs and will continue to do so.

I trust that this is the information required and that it meets with your approval. Should you have any questions or require additional information, please do not hesitate to contact me accordingly

Regards,



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