## **Ministry of the Environment Waste Form**

## **Report of a Waste Audit**

## **Industrial, Commercial and Institutional Establishments**

As required by O. Reg. 102/94

- This report must be prepared 6 months after becoming subject to O. Reg. 102/94 and a copy retained on file for at least five years after it is prepared, and be made available to the ministry upon request.
- For large construction and demolition projects, please refer to the forms included with "A Guide to Waste Audits and Waste Reduction Work Plans for Construction and Demolition Projects as Required Under Ontario Regulation 102/94" (revised July 2008)

#### I. GENERAL INFORMATION

Name of Owner and/or Operator of Entity	y(ies) and Company Name:						
Hastings and Prince Edward District School Board							
Name of Contact Person:	Telephone #:	Email address:					
Melanie Zeitz-Morrish	613-966-1170 x. 2105	mmorrish@hpedsb.on.ca					
Street Address(es) of Entity(ies):							
224 Palmer Road							
Municipality:							
Belleville, Ontario							
	Type of Entity						
	(check one)						
Retail Shopping Establishments	Hotels and Motels						
Retail Shopping Complexes	Hospitals						
Office Buildings	<b>Educational Institutions</b>		X				
Restaurants	Large Manufacturing Es	tablishments					

Note: O. Reg. 102/94 does not apply to multi-unit residential buildings.

#### II. DESCRIPTION OF ENTITY

#### Provide a brief overview of the entity(ties):

Hastings and Prince Edward District School Board (HPEDSB) retained the services of Waste Reduction Group Inc to conduct a solid non-hazardous waste audit for a representative secondary school. The school ranged from Grade 9 to 12 and had a student population of approximately 893 students. The waste audit examined representative samples of waste materials (garbage and recyclables) from the facility to gain an understanding of the distribution, quantities and composition of solid waste materials generated on campus. HPEDSB conducted the waste audit to comply with O.Reg. 102/94. The school maintains a mixed recycling program that captures all mandatory recyclable materials outlined in O.Reg.103/94 for educational institutions. HPEDSB is interested in waste reduction solutions to reduce the amount of wastes disposed to landfill and reduce their impact on the environment.

## III. HOW WASTE IS PRODUCED AND DECISIONS AFFECTING THE PRODUCTION OF WASTE

For each category of waste that is produced at the entity(ies), explain how the waste will be produced and how management decisions and policies will affect the production of waste.

management decisions and policies will affect	management decisions and policies will affect the production of waste.					
Categories of Waste	How Is the Waste Produced and What Management Decisions/Policies Affect Its Production?					
PET (#1) plastic food and beverage bottles	Brought onto campus/generated on campus by staff/students.					
HDPE (#2) plastic food and beverage bottles	Brought onto campus/generated on campus by staff/students.					
Polypropylene (#5) Plastic	Brought onto campus/generated on campus by staff/students.					
Polystyrene (#6) Plastic	Brought onto campus/generated on campus by staff/students.					
Glass food and beverage bottles/jars	Brought onto campus/generated on campus by staff/students.					
Aluminum food and beverage cans	Brought onto campus/generated on campus by staff/students.					
Steel food and beverage cans	Brought onto campus/generated on campus by staff/students.					
Gable top Containers	Brought onto campus/generated on campus by staff/students.					
Aseptic Containers	Brought onto campus/generated on campus by staff/students.					
Fine paper	Brought onto campus/generated on campus by staff/students.					
Newsprint	Brought onto campus/generated on campus by staff/students.					
Boxboard shoe boxes, cereal boxes, etc.	Brought onto campus/generated on campus by staff/students.					
Other Recyclable Paper Fibers	Brought onto campus/generated on campus by staff/students.					
Cardboard	Brought onto campus/generated on campus by staff/students.					
Paper towels	Generated by staff/students on campus					
Coffee Cups	Brought onto campus/generated on campus by staff/students.					
Organics / Food Waste	Brought onto campus/generated on campus by staff/students.					
LDPE (#4) Plastic films	Brought onto campus/generated on campus by staff/students.					
Styrofoam (#6) Plastics	Brought onto campus/generated on campus by staff/students.					
Plastic Strapping	Brought onto campus/generated on campus by staff/students.					
Scrap Wood	Generated by campus operations					
Scrap Metal	Generated by campus operations					
Electronic Wastes	Brought onto campus/generated on campus by staff/students.					
Light Bulbs & Ballasts	Generated by campus operations					
Batteries	Brought onto campus/generated on campus by staff/students.					
Printer cartridges	Generated by campus operations					
Non-Recyclable	Brought onto campus/generated on campus by staff/students.					

**Note:** When completing this form, write "n/a" in the columns where the entity will not produce any waste for a category of waste.

## IV. MANAGEMENT OF WASTE

For each category of waste listed below, indicate which waste items will be disposed or reused/recycled and how each item will be managed at the entity(ies).

Category	Waste to be Disposed	Reused or Recycled Waste
PET (#1) plastic food and beverage bottles	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
HDPE (#2) plastic food and beverage bottles	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Polypropylene (#5) Plastic	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Polystyrene (#6) Plastic	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Glass food and beverage bottles/jars	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Aluminum food and beverage cans	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Steel food and beverage cans	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Gable top Containers	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Aseptic Containers	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Fine paper	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Newsprint	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Boxboard shoe boxes, cereal boxes, etc.	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Other Recyclable Paper Fibers	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Cardboard	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Paper towels	Staff/Students place in garbage	No recycling program implemented.
Coffee Cups	Staff/Students place in garbage	No recycling program implemented.
Organics / Food Waste	Staff/Students place in garbage	No recycling program implemented.
LDPE (#4) Plastic films	Staff/Students place in garbage	No recycling program implemented.
Styrofoam (#6) Plastics	Staff/Students place in garbage	No recycling program implemented.
Plastic Strapping	Staff/Students place in garbage	No recycling program implemented.
Scrap Wood	Staff/Students place in garbage	No recycling program implemented.
Scrap Metal	Staff/Students place in garbage	No recycling program implemented.
Electronic Wastes	Staff/Students may place in garbage	Staff/Students to place in recycling containers.
Light Bulbs & Ballasts	Staff/Students place in garbage	No recycling program implemented.
Batteries	Staff/Students place in garbage	No recycling program implemented.
Printer cartridges	Staff/Students place in garbage	No recycling program implemented.
Non-Recyclable	Staff/Students place in garbage	No recycling program implemented.

**Note:** When completing this form, write "n/a" in the columns where the entity will not produce any waste for a category of waste. .../3

#### V. ESTIMATED QUANTITY OF WASTE PRODUCED

Categories of Waste					Estin	nated Am	ount of Wa	ste				
		Generated	Generated Reused Recycled			Recycled	decycled Disposed		Disposed			
	"A"		"C" *	"A"		"C" *	"A"	·	"C" *	"A"		"C" *
	Base	"B" Current	Change (A	Base	"B" Current	Change	Base	"B" Current	Change (A	Base	"B" Current	Change
	Year	Year	- B)	Year	Year	(A - B)	Year	Year	- B)	Year	Year	(A - B)
	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes	Tonnes
PET (#1)	0.45	0.45	0.0	0.00	0.00	0.0	0.23	0.23	0.0	0.22	0.22	0.0
HDPE (#2)	0.06	0.06	0.0	0.00	0.00	0.0	0.06	0.06	0.0	0.00	0.00	0.0
Polypro. (#5)	0.46	0.46	0.0	0.00	0.00	0.0	0.27	0.27	0.0	0.19	0.19	0.0
Polysty. (#6)	0.33	0.33	0.0	0.00	0.00	0.0	0.22	0.22	0.0	0.11	0.11	0.0
Glass	1.41	1.41	0.0	0.00	0.00	0.0	0.00	0.00	0.0	1.41	1.41	0.0
Aluminum	0.41	0.41	0.0	0.00	0.00	0.0	0.18	0.18	0.0	0.23	0.23	0.0
Steel	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Gable Top	0.14	0.14	0.0	0.00	0.00	0.0	0.14	0.14	0.0	0.00	0.00	0.0
Aseptic	0.02	0.02	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.02	0.02	0.0
Fine Paper	16.06	16.06	0.0	0.00	0.00	0.0	15.25	15.25	0.0	0.81	0.81	0.0
Newsprint	1.40	1.40	0.0	0.00	0.00	0.0	1.25	1.25	0.0	0.15	0.15	0.0
Boxboard	0.57	0.57	0.0	0.00	0.00	0.0	0.28	0.28	0.0	0.29	0.29	0.0
Other papers	0.45	0.45	0.0	0.00	0.00	0.0	0.21	0.21	0.0	0.25	0.25	0.0
Cardboard	5.95	5.95	0.0	0.00	0.00	0.0	5.95	5.95	0.0	0.00	0.00	0.0
Paper Towels	4.99	4.99	0.0	0.00	0.00	0.0	0.00	0.00	0.0	4.99	4.99	0.0
Coffee Cups	0.95	0.95	0.0	0.00	0.00	0.0	0.09	0.09	0.0	0.86	0.86	0.0
Organics	4.19	4.19	0.0	0.00	0.00	0.0	0.00	0.00	0.0	4.19	4.19	0.0
LDPE (#4) Plastic Films	0.88	0.88	0.0	0.00	0.00	0.0	0.58	0.58	0.0	0.31	0.31	0.0
Styrofoam (#6) Plastic	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Plastic Strapping	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Scrap Wood	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Scrap Metal	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Electronic Wastes	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Bulbs	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Batteries	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Printer Toners	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0	0.00	0.00	0.0
Other/Nonrecyclable	17.85	17.85	0.0	0.00	0.00	0.0	0.00	0.00	0.0	17.85	17.85	0.0
Total	56.58	56.58	0.0	0.00	0.00	0.0	24.71	24.71	0.0	31.87	31.87	0.0
Percent Change (C ÷A x 100)			0.0%			#DIV/0!			0.0%			0.0%

Note: When completing this form, write "n/a" in the "Estimated Amount of Waste Produced" column where the entity will not produce any waste for a category of waste.

<sup>\*</sup> Fill out these columns each year following the initial waste audit or baseline year to determine the progress that is being made by your waste reduction program.

<sup>2018</sup> Taken as base year.

# VI. EXTENT TO WHICH MATERIALS OR PRODUCTS USED OR SOLD BY THE ENTITY CONSIST OF RECYCLED OR REUSED MATERIALS OR PRODUCTS

Please answer the following questions:

1. Do you have a management policy in place that promotes the purchasing and/or use of materials or products that consist of recycled and/or reused materials or products? If yes, please describe.

While there is no formal management policy in place regarding the purchase and/or use of materials or products with reused or recycling content in the products used at the facility, the Purchasing Dept, Employees and Management try to make responsible choices whenever feasible.

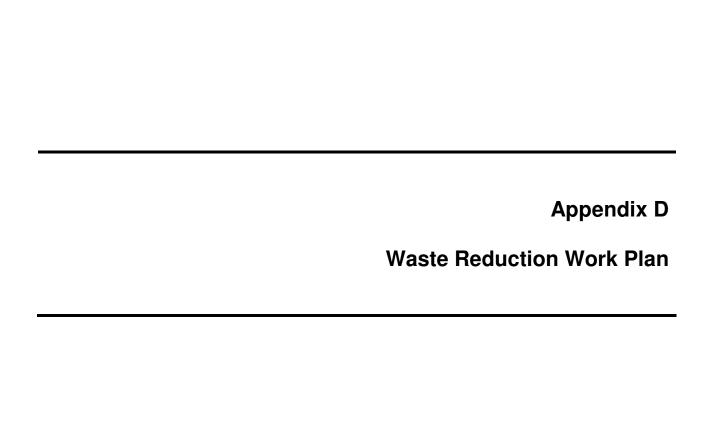
2. Do you have plans to increase the extent to which materials or products used or sold\* consist of recycled or reused materials or products? If yes, please describe.

Not applicable at this time.

\* Information regarding materials or products "sold" that consist of recycled or reused materials or products is only required from owner(s) of retail shopping establishments and the owner(s) or operator(s) of large manufacturing establishments.

Please attach any additional page(s) as required to answer the above questions.

I hereby certify that the information provided in this Report of Waste Audit is complete and correct.						
Signature of authorized official:	Title:	Date:				
Mr. Zeitz-Morins	Energy and Environmental Tech	nnologist Jan 2019				



# **Ministry of the Environment Waste Form**

## **Report of a Waste Reduction Work Plan**

## **Industrial, Commercial and Institutional Establishments**

As required by O. Reg. 102/94

This report must be prepared 6 months after becoming subject to O. Reg. 102/94 and a copy retained on file for at least five years after it is prepared, and be made available to the ministry upon request.

#### I. GENERAL INFORMATION

Name of Owner and/or Operator of Entity	(ies) and Company Name:		
Hastings and Prince Edward District School B	Board		
Name of Contact Person:	Telephone #:	Email address:	
Melanie Zeitz-Morrish	613-966-1170 x. 2105	mmorrish@hpedsb.on.ca	
Street Address(es) of Entity(ies):			
224 Palmer Road			
Municipality:			
Belleville, Ontario			
	Type of Entity		
	(check one)		
Retail Shopping Establishments	Hotels and Motels		
Retail Shopping Complexes	Hospitals		
Office Buildings	Educational Institutions		X
Restaurants	Large Manufacturing Es	tablishments	

Note: O. Reg. 102/94 does not apply to multi-unit residential buildings.

#### II. DESCRIPTION OF THE ENTITY

#### Provide a brief overview of the entity(ties):

Hastings and Prince Edward District School Board (HPEDSB) retained the services of Waste Reduction Group Inc to conduct a solid non-hazardous waste audit for a representative secondary school. The school ranged from Grade 9 to 12 and had a student population of approximately 893 students. The waste audit examined representative samples of waste materials (garbage and recyclables) from the facility to gain an understanding of the distribution, quantities and composition of solid waste materials generated on campus. HPEDSB conducted the waste audit to comply with O.Reg. 102/94. The school maintains a mixed recycling program that captures all mandatory recyclable materials outlined in O.Reg.103/94 for educational institutions. HPEDSB is interested in waste reduction solutions to reduce the amount of wastes disposed to landfill and reduce their impact on the environment.

## III. PLANS TO REDUCE, REUSE AND RECYCLE WASTE

For each category of waste described in Part V of "Report of a Waste Audit" (on which this plan is based), explain what your plans are to Reduce, Reuse and Recycle the waste, including: 1) how the waste will be source separated at the establishment, and 2) the programs to reduce, reuse and recycle all source separated waste.

recycle all source s	eparated waste.
Waste Category (as stated in Part V of your "Report of a Waste Audit")	Source Separation and 3Rs Program
PET (#1) plastic food and beverage bottles	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
HDPE (#2) plastic food and beverage bottles	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
Polypropylene (#5) Plastic	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
Polystyrene (#6) Plastic	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
Glass food and beverage bottles/jars	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
Aluminum food and beverage cans	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
Steel food and beverage cans	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
Gable top Containers	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
Aseptic Containers	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.
Fine paper	"Commingled 3Rs Program"  Reduce: None.  Reuse: None.  Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on where to dispose of waste correctly.

	"Commingled 3Rs Program" Reduce: None.
Newsprint	Reuse: None. Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on
	where to dispose of waste correctly.  "Commingled 3Rs Program"
Boxboard shoe	Reduce: None.
boxes, cereal	Reuse: None.
boxes, etc.	<u>Recycle:</u> Staff/Students will be reminded of the existing program. Cleaners will be trained on
	where to dispose of waste correctly.
	"Commingled 3Rs Program" Reduce: None.
Other Recyclable	Reuse: None.
Paper Fibers	Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on
	where to dispose of waste correctly.
	"Commingled 3Rs Program"
	Reduce: None.
Cardboard	Reuse: None.
	Recycle: Staff/Students will be reminded of the existing program. Cleaners will be trained on
Doman torrela	where to dispose of waste correctly.  No Recycling Program Implemented
Paper towels	
Coffee Cups	No Recycling Program Implemented
Organics / Food Waste	No Recycling Program Implemented
LDPE (#4) Plastic films	No Recycling Program Implemented
Styrofoam (#6)	No Recycling Program Implemented
Plastics	
Plastic Strapping	No Recycling Program Implemented
Scrap Wood	No Recycling Program Implemented
Scrap Metal	No Recycling Program Implemented
1	"Electronics 3Rs Program"
	Reduce: None.
Electronic Wastes	Reuse: None.
	<u>Recycle:</u> Staff/Students will be reminded of the existing program. Cleaners will be trained on
	where to dispose of waste correctly.
Light Bulbs &	No Recycling Program Implemented
Ballasts	No Recycling Program Implemented
Batteries	
Printer cartridges	No Recycling Program Implemented
Non-Recyclable	No Recycling Program Implemented

## IV. RESPONSIBILITY FOR IMPLEMENTING THE WASTE REDUCTION WORK PLAN

Identify who is responsible for implementing the Waste Reduction Work Plan at your entity(ies). If more than one person is responsible for implementation, identify each person who is responsible and indicate the part of the Waste Reduction Work Plan that each person is responsible for implementing.

Name of Person	Responsibility	Telephone #
Melanie Zeitz-Morrish	All recycling programs	613-966-1170 x.2105
	(or will direct to person responsible)	

#### V. TIMETABLE FOR IMPLEMENTING WASTE REDUCTION WORK PLAN

Provide a timetable indicating when each Source Separation and 3Rs program of the Waste Reduction Work Plan will be implemented.

Source Separation and 3Rs Program	Schedule for Completion
Commingled Recycling	3Rs Program currently in place
Electronic wastes	3Rs Program currently in place

## VI. COMMUNICATION TO STAFF, CUSTOMERS, GUESTS AND VISITORS

Explain how the Waste Reduction Work Plan will be communicated to employees, customers, tenants, guests/visitors and students:

Increase awareness of recycling programs at the facility through staff/student/custodian education programs. Such programs can include placement of posters in strategic locations around the building, and posting information regarding recycling, reuse, and reduction rates throughout the facility. Provide easy access to contact information for help or questions regarding the recycling programs. The recycling program should have as much consistency as possible throughout the entire school. A comprehensive waste management plan, as well as a training plan for all staff and students, must be developed to meet the school board's expectations for the recycling program.

# VII. ESTIMATED WASTE PRODUCED BY MATERIAL TYPE AND THE PROJECTED AMOUNT

Material Categories (as stated in Part III)	Categories Annual Waste as stated in Produced *		ame of Proposed 3Rs Projections to Reduce, Re or Recycle Waste (tonnes)			Estimated Annual Amount to be Diverted ** (%)
		Reduce	Reuse	Recycle		
PET (#1) plastic food and beverage bottles	0.45	Commingled 3Rs Program			0.32	70%
HDPE (#2) plastic food and beverage bottles	0.06	Commingled 3Rs Program			0.04	70%
Polypropylene (#5) Plastic	0.46	Commingled 3Rs Program			0.32	70%
Polystyrene (#6) Plastic	0.33	Commingled 3Rs Program			0.23	70%
Glass food and beverage bottles/jars	1.41	Commingled 3Rs Program			0.98	70%
Aluminum food and beverage cans	0.41	Commingled 3Rs Program			0.28	70%
Steel food and beverage cans	0.00	Commingled 3Rs Program			0.00	70%
Gable top Containers	0.14	Commingled 3Rs Program			0.10	70%
Aseptic Containers	0.02	Commingled 3Rs Program			0.01	70%
Fine paper	16.06	Commingled 3Rs Program			11.24	70%
Newsprint	1.40	Commingled 3Rs Program			0.98	70%
Boxboard shoe boxes, cereal boxes, etc.	0.57	Commingled 3Rs Program			0.40	70%
Other Recyclable Paper Fibers	0.45	Commingled 3Rs Program			0.32	70%
Cardboard	5.95	Commingled 3Rs Program			5.66	95%
Paper towels	4.99	No Recycling Program				NA
Coffee Cups	0.95	No Recycling Program				NA
Organics / Food Waste	4.19	No Recycling Program				NA
LDPE (#4) Plastic films	0.88	No Recycling Program				NA
Styrofoam (#6) Plastics	0.00	No Recycling Program				NA
Plastic Strapping	0.00	No Recycling Program				NA
Scrap Wood	0.00	No Recycling Program				NA
Scrap Metal	0.00	No Recycling Program				NA
Electronic Wastes	0.00	Ewaste 3Rs Program			0.00	100%
Light Bulbs &	0.00	No Recycling Program				NA

Ballasts				
Batteries	0.00	No Recycling Program		NA
Printer cartridges	0.00	No Recycling Program		NA
Non-Recyclable	17.85	No Recycling Program		NA

Estimated Waste Produced = Waste Diverted (3Rs) + Waste Disposed
Estimated Waste Diversion Rate = Amount of Waste Diverted (3Rs) ÷ Estimated Waste Produced x 100%

I hereby certify that the information provided in this Waste Reduction Work Plan is complete and correct.			
Signature of authorized official:	Title:	Date:	
M. Leitz-Mound	Energy and Environmental Te	ech	Jan 2019