

Toxics Reduction Act Public Annual Report - Calendar 2018

The legal and trade names of the owner and the operator of the facility, the street address of the facility and, if the mailing address of the facility is different from the street address, the mailing address.(See below)

Kaiser Aluminum Ltd.	
3021 Gore Road	
London	ON
N5V 5A9	

Facility NPRI identification number

5649

The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01.

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Number of full-time employees

201

North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes

31 - 33 Manufacturing
3313 - Alumina and aluminum production and processing
331317 - Aluminum rolling, drawing, extruding and alloying

If applicable, the name, position and telephone number of the individual who is the contact at the facility for the public:
Public Contact (if applicable)

Jason McCarthy
Plant Manager
(519) 457-3610

Title

Phone Number

Address of each person below if not the same as the facility

Facility Name

Address 1

Address 2

City

Province

Postal Code

Kaiser Aluminum Ltd.	
3021 Gore Road	
-	
London	
	ON
	N5V 5A9

UTM coordinates, x and y

Datum

X	488513	Y	4759340
			WGS84

Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company

Parent company name

Address 1

Address 2

City

Province

Postal Code

Percent Ownership

Kaiser Aluminum & Chemical of Canada Ltd.	
3021 Gore Road	
-	
London	
	ON
	N5V 5A9
	100%

Substance Accounting

Substance:	Zinc
CAS Number:	NA - 14
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	>1000 - 10000 Mg
The amount of substance that was created:	0.000 Mg
The amount of substance that was contained in product:	>1000 - 10000 Mg
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	2,3,7,8-TCCD
CAS Number:	1746-01-6
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	>0 - 1 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	1,2,3,7,8 - PeCDD
CAS Number:	40321-76-4
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	>0 - 1 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance:	1,2,4,7,8 - HxCDD
CAS Number:	39227-28-6
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000000 g
The amount of substance that was created:	>0 - 1 g
The amount of substance that was contained in product:	0.0000000 g
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en	

Substance Accounting

Substance:
CAS Number:

1,2,3,6,7,8 - HxCDD
57653-85-7

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.0000000	g
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The amount of substance that was created:

>0 - 1	g
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The amount of substance that was contained in product:

0.0000000	g
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On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

1,2,3,7,8,9 - HxCDD
19408-74-3

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.0000000	g
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The amount of substance that was created:

>0 - 1	g
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The amount of substance that was contained in product:

0.0000000	g
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On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

1,2,3,4,6,7,8 - HpCDD
35822-46-9

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.0000000	g
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The amount of substance that was created:

>0 - 1	g
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The amount of substance that was contained in product:

0.0000000	g
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On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

OCDD
3268-87-9

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.0000000	g
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The amount of substance that was created:

>0 - 1	g
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The amount of substance that was contained in product:

0.0000000	g
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On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance Accounting

Substance:
CAS Number:

2,3,7,8 - TCDF
51207-31-9

On a facility-wide basis:

Amount that entered the facility as the substance itself or as a constituent of another substance:

Amount Units

0.0000000	g
>0 - 1	g
0.0000000	g

The amount of substance that was created:

The amount of substance that was contained in product:

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

2,3,4,7,8 - PeCDF
57117-31-4

On a facility-wide basis:

Amount that entered the facility as the substance itself or as a constituent of another substance:

Amount Units

0.0000000	g
>0 - 1	g
0.0000000	g

The amount of substance that was created:

The amount of substance that was contained in product:

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

1,2,3,7,8 - PeCDF
57117-41-6

On a facility-wide basis:

Amount that entered the facility as the substance itself or as a constituent of another substance:

Amount Units

0.0000000	g
>0 - 1	g
0.0000000	g

The amount of substance that was created:

The amount of substance that was contained in product:

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:
CAS Number:

1,2,3,4,7,8 - HxCDF
70648-26-9

On a facility-wide basis:

Amount that entered the facility as the substance itself or as a constituent of another substance:

Amount Units

0.0000000	g
>0 - 1	g
0.0000000	g

The amount of substance that was created:

The amount of substance that was contained in product:

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance Accounting

Substance:

1,2,3,7,8,9 - HxCDF

CAS Number:

72918-21-9

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.0000000 g

The amount of substance that was created:

>0 - 1 g

The amount of substance that was contained in product:

0.0000000 g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:

1,2,3,6,7,8 - HxCDF

CAS Number:

57117-44-9

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.0000000 g

The amount of substance that was created:

>0 - 1 g

The amount of substance that was contained in product:

0.0000000 g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:

2,3,4,6,7,8 - HxCDF

CAS Number:

60851-34-5

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.0000000 g

The amount of substance that was created:

>0 - 1 g

The amount of substance that was contained in product:

0.0000000 g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:

1,2,3,4,6,7,8 - HpCDF

CAS Number:

67562-39-4

On a facility-wide basis:

Amount Units

Amount that entered the facility as the substance itself or as a constituent of another substance:

0.0000000 g

The amount of substance that was created:

>0 - 1 g

The amount of substance that was contained in product:

0.0000000 g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance Accounting

Substance:	1,2,3,4,7,8,9 - HpCDF
CAS Number:	55673-89-7

On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000	g
The amount of substance that was created:	>0 - 1	g
The amount of substance that was contained in product:	0.0000000	g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:	OCDF
CAS Number:	39001-02-0

On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000	g
The amount of substance that was created:	>0 - 1	g
The amount of substance that was contained in product:	0.0000000	g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:	Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans
CAS Number:	NA - 11

On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.0000000	g TEQ
The amount of substance that was created:	>0 - 1	g TEQ
The amount of substance that was contained in product:	0.0000000	g TEQ

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance:	Hexachlorobenzene
CAS Number:	118-74-1

On a facility-wide basis:	Amount	Units
Amount that entered the facility as the substance itself or as a constituent of another substance:	0.00000	g
The amount of substance that was created:	>0 - 1	g
The amount of substance that was contained in product:	0.00000	g

On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at <http://www.ec.gc.ca/inrp-npri/default.asp?lang=en>

Substance Accounting

Substance: CAS Number:	Particulate Matter $\leq 10 \mu\text{m}$ (PM ₁₀) NA-M09								
On a facility-wide basis: Amount that entered the facility as the substance itself or as a constituent of another substance: The amount of substance that was created: The amount of substance that was contained in product:	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;">Amount</th> <th style="width: 20%;">Units</th> </tr> </thead> <tbody> <tr> <td style="border-bottom: 1px solid black;">0.000</td> <td style="border-bottom: 1px solid black;">Mg</td> </tr> <tr> <td style="border-bottom: 1px solid black;">>1 - 10</td> <td style="border-bottom: 1px solid black;">Mg</td> </tr> <tr> <td style="border-bottom: 1px solid black;">0.000</td> <td style="border-bottom: 1px solid black;">Mg</td> </tr> </tbody> </table>	Amount	Units	0.000	Mg	>1 - 10	Mg	0.000	Mg
Amount	Units								
0.000	Mg								
>1 - 10	Mg								
0.000	Mg								
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en									

Substance: CAS Number:	Particulate Matter $\leq 2.5 \mu\text{m}$ (PM _{2.5}) NA-M10								
On a facility-wide basis: Amount that entered the facility as the substance itself or as a constituent of another substance: The amount of substance that was created: The amount of substance that was contained in product:	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;">Amount</th> <th style="width: 20%;">Units</th> </tr> </thead> <tbody> <tr> <td style="border-bottom: 1px solid black;">0.000</td> <td style="border-bottom: 1px solid black;">Mg</td> </tr> <tr> <td style="border-bottom: 1px solid black;">>1 - 10</td> <td style="border-bottom: 1px solid black;">Mg</td> </tr> <tr> <td style="border-bottom: 1px solid black;">0.000</td> <td style="border-bottom: 1px solid black;">Mg</td> </tr> </tbody> </table>	Amount	Units	0.000	Mg	>1 - 10	Mg	0.000	Mg
Amount	Units								
0.000	Mg								
>1 - 10	Mg								
0.000	Mg								
On-site releases from the facility to air, water and land, as well as on and off-site disposal and off-site recycling can be viewed by searching for this facility at http://www.ec.gc.ca/inrp-npri/default.asp?lang=en									

Annual Progress Report - Calendar 2017

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN
Zinc and its compounds	NA - 14
2,3,7,8-TCCD	1746-01-6
1,2,3,7,8 - PeCDD	40321-76-4
1,2,4,7,8 - HxCDD	39227-28-6
1,2,3,6,7,8 - HxCDD	57653-85-7
1,2,3,7,8,9 - HxCDD	19408-74-3
1,2,3,4,6,7,8 - HpCDD	35822-46-9
OCDD	3268-87-9
2,3,7,8 - TCDF	51207-31-9
2,3,4,7,8 - PeCDF	57117-31-4
1,2,3,7,8 - PeCDF	57117-41-6
1,2,3,4,7,8 - HxCDF	70648-26-9
1,2,3,7,8,9 - HxCDF	72918-21-9
1,2,3,6,7,8 - HxCDF	57117-44-9
2,3,4,6,7,8 - HxCDF	60851-34-5
1,2,3,4,6,7,8 - HpCDF	67562-39-4
1,2,3,4,7,8,9 - HpCDF	55673-89-7
OCDF	39001-02-0
Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans	NA - 11
Hexachlorobenzene	118-74-1
Particulate Matter $\leq 10 \mu\text{m}$ (PM ₁₀)	NA - M09
Particulate Matter $\leq 2.5 \mu\text{m}$ (PM _{2.5})	NA - M10

Plan Objectives

The reduction of toxic substance use, creation and releases is a priority for Kaiser Aluminum forming part of their sustainability programs and EMS. Their goal is to reduce the creation and release of Zinc and its compounds, Hexachlorobenzene, Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans and their 17 congeners, PM₁₀, and PM_{2.5} where technically and economically feasible. No technically and economically feasible reduction options for these substances were identified. Kaiser Aluminum will continue to monitor new technological advancements to ensure that reductions options that are both technologically and financially viable are implemented at their facility.

Toxics Reduction Progress

Overall the quantities of dioxins, furans, Hexachlorobenzene, PM₁₀ and PM_{2.5} created and released by the facility increased due to a slight increase in the facility's overall production in 2018. The increased quantities of Zinc released to air, used and contained in-product are the result of an increase in the production of various zinc containing alloys produced. The increased quantity of Zinc recycled is due to an increase in the quantity chip and dross waste produced during the calendar year.

Plan Implementation Progress

There were no reduction options identified in any of the plans for the above noted substances that were identified as being both technically and economically feasible. As such, there were no timelines presented in the reduction plans for the above noted substances. However, Kaiser will continue to monitor new technological advancements to ensure that reduction options that are both technologically and financially viable are implemented at their facility.

As there were no anticipated reductions noted in each of the plans for the toxic substances noted above, there were no reductions of any toxic substances during the reporting period that would be attributable to any reduction plan.

Certification Statement

As of August 13, 2019, I certify that I have read the reports on the toxic substance reduction plans for Zinc and its compounds, Hexachlorobenzene, Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans and their 17 congeners, PM10, and PM2.5 and am familiar with their contents and to my knowledge the information contained in the report is factually accurate and the reports comply with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under the Act.

The original version of this report is signed off by:

Highest Ranking Employee:

Title:

Phone Number:

Jason McCarthy
Plant Manager
(519) 457-3610

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.

Reportable Releases - Previous Year Comparison

Calendar 2017 vs 2018

Substance	CASRN	Report Year	Units	Water	Total Air	Disposal	Recycle	TRA Report		
								Use	Creation	In Product
Zinc (and its compounds)	NA - 14	2017	Tonnes	0.000	>0 - 1	>10 - 100	>10 - 100	>1000 - 10000	0.000	>1000 - 10000
		2018	Tonnes	0.000	>0 - 1	>10 - 100	>10 - 100	>1000 - 10000	0.000	>1000 - 10000
		Change	Tonnes	0.000	>0 - 1	>1 - 10	>1 - 10	>100 - 1000	0.000	>100 - 1000
		% Change	%	0.0%	15.2%	25.3%	17.6%	14.3%	0.0%	14.1%
2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,7,8-Pentachlorodibenzo- <i>p</i> -dioxin	40321-76-4	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,4,7,8-Hexachlorodibenzo- <i>p</i> -dioxin	39227-28-6	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,7,8,9-Hexachlorodibenzo- <i>p</i> -dioxin	19408-74-3	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,6,7,8-Hexachlorodibenzo- <i>p</i> -dioxin	57653-85-7	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,4,6,7,8-Heptachlorodibenzo- <i>p</i> -dioxin	35822-46-9	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
Octachlorodibenzo- <i>p</i> -dioxin	3268-87-9	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,4,7,8-Hexachlorodibenzo furan	70648-26-9	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,7,8,9-Hexachlorodibenzo furan	72918-21-9	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,6,7,8-Hexachlorodibenzo furan	57117-44-9	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%

Reportable Releases - Previous Year Comparison

Calendar 2017 vs 2018

Substance	CASRN	Report Year	Units	Water	Total Air	Disposal	Recycle	TRA Report		
								Use	Creation	In Product
2,3,4,6,7,8-Hexachlorodibenzo furan	60851-34-5	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
Octachlorodibenzo furan	39001-02-0	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
Total I-TEQDF	NA - M11	2017	g TEQ	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	g TEQ	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	g TEQ	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	4.5%	0.0%	0.0%	0.0%	4.5%	0.0%
Hexachlorobenzene	118-74-1	2017	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		2018	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		Change	Grams	0.000	>0 - 1	0.000	0.000	0.000	>0 - 1	0.000
		% Change	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
PM ₁₀	NA - M09	2017	Tonnes	NA	>1 - 10	NA	NA	0.000	>1 - 10	NA
		2018	Tonnes	NA	>1 - 10	NA	NA	0.000	>1 - 10	NA
		Change	Tonnes	NA	>0 - 1	NA	NA	0.000	>0 - 1	NA
		% Change	%	NA	4.6%	NA	NA	0.0%	4.6%	NA
PM _{2.5}	NA - M10	2017	Tonnes	NA	>1 - 10	NA	NA	0.000	>1 - 10	NA
		2018	Tonnes	NA	>1 - 10	NA	NA	0.000	>1 - 10	NA
		Change	Tonnes	NA	>0 - 1	NA	NA	0.000	>0 - 1	NA
		% Change	%	NA	5.0%	NA	NA	0.0%	5.0%	NA