

Toxics Reduction Act Public Annual Report 2017

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)	Winoa Canada inc. 650 Rusholme Road Welland ON L3B 5R4	
Facility NPRI identification number	11118	
The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01.	-	
Number of full-time employees	62	
North American Industry Classification System (NAICS) - 2, 4, and 6 digit codes	31 - 33 Manufacturing 3279 - All other non-metallic mineral product manufacturing 327910 - Abrasive product manufacturing	
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)	Brett Evans	
Title	Quality and Environmental Manager	
Phone Number	905-736-5139	
Address of each person below if not the same as the facility		
Facility Name	Winoa Canada inc.	
Address 1	650 Rusholme Road	
Address 2	0	
City	Welland	
Province	ON	
Postal Code	L3B 5R4	
UTM coordinates, x and y	X 645669.68	Y 4758822
Datum	WGS84	
Legal name of Canadian parent company, if your facility is a subsidiary of a Canadian parent company		
Parent company name	Winoa Canada Inc.	
Address 1	650 Rusholme Road	
Address 2		
City	Welland	
Province	ON	
Postal Code	L3B 5R4	
Percent Ownership	100%	

Substance Accounting

Substance:	Particulate Matter (10)
CAS Number:	NA - M09
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units 0.000 Mg
The amount of substance that was created:	>1 - 10 Mg
The amount of substance that was contained in product:	NA 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:	Particulate Matter (2.5)
CAS Number:	NA - M10
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units 0.000 Mg
The amount of substance that was created:	>1 - 10 Mg
The amount of substance that was contained in product:	NA 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:	Manganese and its cpds
CAS Number:	NA - 09
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units >100 to 1000 Mg
The amount of substance that was created:	0.000 Mg
The amount of substance that was contained in product:	>100 to 1000 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:	Hexachlorobenzene
CAS Number:	118-74-1
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units 0.0000 g
The amount of substance that was created:	0.0000 g
The amount of substance that was contained in product:	0.0000 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:	Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans
CAS Number:	NA - M11
On a facility-wide basis:	
Amount that entered the facility as the substance itself or as a constituent of another substance:	Amount Units
	0.0000 g TEQ
The amount of substance that was created:	0.0141 g TEQ
The amount of substance that was contained in product:	0.0000 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:	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
	0.0000 g
The amount of substance that was created:	0.0027 g
The amount of substance that was contained in product:	0.0000 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
	0.0000 g
The amount of substance that was created:	0.0045 g
The amount of substance that was contained in product:	0.0000 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:	1,2,3,4,7,8 - 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
	0.0000 g
The amount of substance that was created:	0.0002 g
The amount of substance that was contained in product:	0.0000 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 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="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0014</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000	g	0.0014	g	0.0000	g
Amount	Units								
0.0000	g								
0.0014	g								
0.0000	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: CAS Number:	1,2,3,7,8,9 - HxCDD 19408-74-3								
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="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0005</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000	g	0.0005	g	0.0000	g
Amount	Units								
0.0000	g								
0.0005	g								
0.0000	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: CAS Number:	1,2,3,4,6,7,8 - HpCDD 35822-46-9								
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="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0018</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000	g	0.0018	g	0.0000	g
Amount	Units								
0.0000	g								
0.0018	g								
0.0000	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: CAS Number:	OCDD 3268-87-9								
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="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0030</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000	g	0.0030	g	0.0000	g
Amount	Units								
0.0000	g								
0.0030	g								
0.0000	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:	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: The amount of substance that was created: The amount of substance that was contained in product:	<table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0115</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000	g	0.0115	g	0.0000	g
Amount	Units								
0.0000	g								
0.0115	g								
0.0000	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: 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: The amount of substance that was created: The amount of substance that was contained in product:	<table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0106</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000	g	0.0106	g	0.0000	g
Amount	Units								
0.0000	g								
0.0106	g								
0.0000	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: 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: The amount of substance that was created: The amount of substance that was contained in product:	<table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0263</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000	g	0.0263	g	0.0000	g
Amount	Units								
0.0000	g								
0.0263	g								
0.0000	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: 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: The amount of substance that was created: The amount of substance that was contained in product:	<table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;">Amount</th> <th style="text-align: left;">Units</th> </tr> </thead> <tbody> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0055</td> <td style="border: 1px solid black;">g</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">0.0000</td> <td style="border: 1px solid black;">g</td> </tr> </tbody> </table>	Amount	Units	0.0000	g	0.0055	g	0.0000	g
Amount	Units								
0.0000	g								
0.0055	g								
0.0000	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:

1,2,3,7,8,9 - HxCDF
72918-21-9

On a facility-wide basis:

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

Amount Units

0.0000	g
--------	---

The amount of substance that was created:

0.0014	g
--------	---

The amount of substance that was contained in product:

0.0000	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:
CAS Number:

1,2,3,6,7,8 - HxCDF
57117-44-9

On a facility-wide basis:

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

Amount Units

0.0000	g
--------	---

The amount of substance that was created:

0.0034	g
--------	---

The amount of substance that was contained in product:

0.0000	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:
CAS Number:

2,3,4,6,7,8 - HxCDF
60851-34-5

On a facility-wide basis:

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

Amount Units

0.0000	g
--------	---

The amount of substance that was created:

0.0021	g
--------	---

The amount of substance that was contained in product:

0.0000	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:
CAS Number:

1,2,3,4,6,7,8 - HpCDF
67562-39-4

On a facility-wide basis:

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

Amount Units

0.0000	g
--------	---

The amount of substance that was created:

0.0037	g
--------	---

The amount of substance that was contained in product:

0.0000	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:

1,2,3,4,7,8,9 - HpCDF
55673-89-7

On a facility-wide basis:

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

Amount Units

0.0000	g
--------	---

The amount of substance that was created:

0.0000	g
--------	---

The amount of substance that was contained in product:

0.0000	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:
CAS Number:

OCDP
39001-02-0

On a facility-wide basis:

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

Amount Units

0.0000	g
--------	---

The amount of substance that was created:

0.0011	g
--------	---

The amount of substance that was contained in product:

0.0000	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>

Annual Progress Report - Calendar 2017

Substances for which toxic substance reduction plans have been prepared:

Substance	CASRN
Particulate Matter less than or equal to 10 microns (PM ₁₀)	NA - M09
Particulate Matter less than or equal to 2.5 microns (PM _{2.5})	NA - M10
Manganese (and its compounds)	NA - 09
Hexachlorobenzene	118-74-1
PCCD/F	Not Applicable
2,3,7,8 -TCCD	1746-01-6
1,2,3,7,8 - PeCDD	40321-76-4
1,2,3,4,7,8 - 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

Plan Objectives

Winoac Canada's goal is to reduce the creation and release of Particulate Matter less than 10 microns (PM₁₀) Particulate Matter less than or equal to 2.5 Microns (PM_{2.5}), Manganese (and its compounds), hexachlorobenzene and dioxin and furan isomers where technically and economically feasible. Based on currently available information and technologies, there are no technically and economically reduction options currently available for these substances. The facility will continue to monitor technological advancements to ensure that reduction options that are both technological and financially viable are implemented at our facility. In terms of the metal species noted above, Panabrasive cannot reduce the use of these substances as they are integral components of the alloys produced by the facility. However, we will ensure the sound management and use of these substances that minimizes significant adverse impacts on human health and the environment.

Toxics Reduction Progress

Overall the quantities of dioxins, furans and hexachlorobenzene released and created by the facility increased due to a slight increase in the facility's overall production in 2017. The values of manganese used, contained in product and recycled also increased due to the slight increase in production. Quantities of manganese shipped off-site for disposal and recycling decreased in 2017 relative to 2016 due to decrease in the quantity of furnace slag and skulls shipped off-site for disposal. Quantities of PM10 and PM2.5 created and released to the air remain essentially unchanged from the previous reporting period

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, Panabrasive will continue to explore and investigate potential reduction options as they arise as part of their sustainability program.

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 May 11, 2018, I certify that I have read the reports on the toxic substance reduction plans for Manganese (and its compounds), PM10, PM2.5, Hexachlorobenzene, Polychlorinated Dibenzo-P-Dioxins & Polychlorinated Dibenzofurans and their 17 congeners 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 the Act.

The original version of this report is signed off by:

Highest Ranking Employee:

Title:

Phone Number:

Jeff Glaser
VP North American Operations
905-736-5133

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 - Threshold Comparison 2016 to 2017

Substance	CASRN	Year	Units	Land	Water	Total Air	Land		TRA Report (Mg)		
							Recycle	Disposal	Use	Creation	In Product
Inhalable Particulate Matter (PM10)	NA - M09	2017	Tonnes	NA	NA	>1 - 10	NA	NA	0.000	>1 - 10	NA
		2016	Tonnes	NA	NA	>1 - 10	NA	NA	0.000	>1 - 10	NA
		Change	Tonnes	NA	NA	>0 - 1	NA	NA	0.000	>0 - 1	NA
		% Change	%	NA	NA	0.00%	NA	NA	NA	0.00%	NA
Respirable Particulate Matter (PM2.5)	NA - M10	2017	Tonnes	NA	NA	>1 - 10	NA	NA	0.000	>1 - 10	NA
		2016	Tonnes	NA	NA	>1 - 10	NA	NA	0.000	>1 - 10	NA
		Change	Tonnes	NA	NA	>0 - 1	NA	NA	0.000	>0 - 1	NA
		% Change	%	NA	NA	-0.01%	NA	NA	NA	-0.01%	NA
Manganese (and its compounds)	NA - 09	2017	Tonnes	0.000	0.000	>0 - 1	>10 - 100	>0 - 1	>100 - 1000	0.000	>100 - 1000
		2016	Tonnes	0.000	0.000	>0 - 1	>10 - 100	>100 - 1000	>100 - 1000	0.000	>100 - 1000
		Change	Tonnes	0.000	0.000	0.000	>0 - 1	>100 - 1000	>10 - 100	0.000	>1 - 10
		% Change	%	0.0%	0.0%	0.0%	-1.4%	-100.0%	6.1%	NA	3.9%
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	2017	g	0.0	0.0	0.0027	0.0	0.0	0.0	0.0027	0.0
		2016	g	0.0	0.0	0.0026	0.0	0.0	0.0	0.0026	0.0
		Change	g	0.0	0.0	0.0001	0.0	0.0	0.0	0.0001	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	2017	g	0.0	0.0	0.0045	0.0	0.0	0.0	0.0045	0.0
		2016	g	0.0	0.0	0.0042	0.0	0.0	0.0	0.0042	0.0
		Change	g	0.0	0.0	0.0002	0.0	0.0	0.0	0.0002	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.5%	0.0%
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	2017	g	0.0	0.0	0.0002	0.0	0.0	0.0	0.0002	0.0
		2016	g	0.0	0.0	0.0002	0.0	0.0	0.0	0.0002	0.0
		Change	g	0.0	0.0	0.0000	0.0	0.0	0.0	0.0000	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	2017	g	0.0	0.0	0.0005	0.0	0.0	0.0	0.0005	0.0
		2016	g	0.0	0.0	0.0005	0.0	0.0	0.0	0.0005	0.0
		Change	g	0.0	0.0	0.0000	0.0	0.0	0.0	0.0000	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	2017	g	0.0	0.0	0.0014	0.0	0.0	0.0	0.0014	0.0
		2016	g	0.0	0.0	0.0013	0.0	0.0	0.0	0.0013	0.0
		Change	g	0.0	0.0	0.0001	0.0	0.0	0.0	0.0001	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	2017	g	0.0	0.0	0.0018	0.0	0.0	0.0	0.0018	0.0
		2016	g	0.0	0.0	0.0017	0.0	0.0	0.0	0.0017	0.0
		Change	g	0.0	0.0	0.0001	0.0	0.0	0.0	0.0001	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
Octachlorodibenzo-p-dioxin	3268-87-9	2017	g	0.0	0.0	0.0030	0.0	0.0	0.0	0.0030	0.0
		2016	g	0.0	0.0	0.0029	0.0	0.0	0.0	0.0029	0.0
		Change	g	0.0	0.0	0.0002	0.0	0.0	0.0	0.0002	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	2017	g	0.0	0.0	0.0115	0.0	0.0	0.0	0.0115	0.0
		2016	g	0.0	0.0	0.0108	0.0	0.0	0.0	0.0108	0.0
		Change	g	0.0	0.0	0.0006	0.0	0.0	0.0	0.0006	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	2017	g	0.0	0.0	0.0106	0.0	0.0	0.0	0.0106	0.0
		2016	g	0.0	0.0	0.0101	0.0	0.0	0.0	0.0101	0.0
		Change	g	0.0	0.0	0.0006	0.0	0.0	0.0	0.0006	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	2017	g	0.0	0.0	0.0263	0.0	0.0	0.0	0.0263	0.0
		2016	g	0.0	0.0	0.0249	0.0	0.0	0.0	0.0249	0.0
		Change	g	0.0	0.0	0.0014	0.0	0.0	0.0	0.0014	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	2017	g	0.0	0.0	0.0055	0.0	0.0	0.0	0.0055	0.0
		2016	g	0.0	0.0	0.0052	0.0	0.0	0.0	0.0052	0.0
		Change	g	0.0	0.0	0.0003	0.0	0.0	0.0	0.0003	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	2017	g	0.0	0.0	0.0014	0.0	0.0	0.0	0.0014	0.0
		2016	g	0.0	0.0	0.0013	0.0	0.0	0.0	0.0013	0.0
		Change	g	0.0	0.0	0.0001	0.0	0.0	0.0	0.0001	0.0
		% Change	%	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%	0.0%

