



National Pollutant Release Inventory (NPRI) and



Partners

Home » Mission Management

Help

My Profile: Angelo Venerus

Logout

Ec.gc.ca

SWIM » 2016 » Progressive Anodizers Inc. » PROGRESSIVE » Report Preview

Report Preview

Report Details

Report Year	2016
Report Type:	NPRI,ON MOE TRA
Report Status:	Submitted
Modified Date/Time:	30/05/2017 7:10 AM

Company and Facility Details

Company Name:	Progressive Anodizers Inc.
Business Number:	121320964
Mailing Address:	Address Line 1: 41 Crockford Blvd. City, Province/Territory, Postal Code: Toronto Ontario M1R3B7 Country: Canada
Facility Name:	PROGRESSIVE
NAICS Code:	332999
NPRI ID:	5927
Physical Address:	Address Line 1: 41 Crockford Boulevard City, Province/Territory, Postal Code: Toronto Ontario M1R3B7 Country: Canada Latitude: 43.73880 Longitude: -79.28720 UTM Zone: 17 UTM Easting: 639625 UTM Northing: 4762238

Permits

Number or Permit Number:	ONo2o6805
Government Department, Agency, or Program Name:	Ministry of the Environment

Contacts Details

Contact Type	Technical Contact, Person who prepared the report, Person who coordinated the preparation of the Toxics Reduction Plan, Contractor Contact
Name:	Angelo Venerus
Position:	Consultant
Telephone:	5198231252
Fax:	5198232046
Email:	vipinc@on.aibn.com

Independent contractor/consultant company name:	Venerus International Purification Inc.
Contact Type	Certifying Official, Public Contact, Company Coordinator
Name:	Philip Leal
Position:	EHS Manager
Telephone:	4167515487
Email:	phleal@progressiveanodizers.com
Contact Type	Highest Ranking Employee
Name:	Art Leal
Position:	President
Telephone:	4167515487
Fax:	4167517521
Email:	info@progressiveanodizers.com
Mailing Address:	Address Line 1: 41 Crockford Blvd. City, Province/Territory, Postal Code: Toronto Ontario M1R3B7 Country: Canada

General Information

Number of employees:	65
Activities for Which the 20,000-Hour Employee Threshold Does Not Apply:	None of the above
Activities Relevant to Reporting Dioxins, Furans and Hexacholorobenzene:	None of the above
Activities Relevant to Reporting of Polycyclic Aromatic Hydrocarbons (PAHs):	Wood preservation using creosote: No
Is this the first time the facility is reporting to the NPRI (under current or past ownership):	No
Is the facility controlled by another Canadian company or companies:	No
Did the facility report under other environmental regulations or permits:	No
Is the facility required to report one or more NPRI Part 4 substances (Criteria Air Contaminants):	No
Operating Schedule - Days of the Week:	Mon, Tue, Wed, Thu, Fri
Usual Number of Operating Hours per day:	16
Usual Daily Start Time (24h) (hh:mm):	07:00

Substance List

CAS RN	Substance Name	Releases	Releases (Speciated VOCs)	Disposals	Recycling	Unit
NA - 17	Nitrate ion in solution at pH >= 6.0	N/A	N/A	1.9120	9.8500	tonnes
7697-37-2	Nitric acid	0.7800	N/A	N/A	2.3430	tonnes
NA - 22	Phosphorus (total)	0.0030	N/A	N/A	9.8500	tonnes
7664-93-9	Sulphuric acid	N/A	N/A	N/A	1.3590	tonnes

Applicable Programs

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
NA - 17	Nitrate ion in solution at pH >= 6.0	Yes	Yes		No

CAS RN	Substance Name	NPRI	ON MOE TRA	ON MOE Reg 127/01	First report for this substance to the ON MOE TRA
7697-37-2	Nitric acid	Yes	Yes		No
NA - 22	Phosphorus (total)	Yes	Yes		No
7664-93-9	Sulphuric acid	Yes	Yes		No

General Information about the Substance - Releases and Transfers of the Substance

CAS RN	Substance Name	Was the substance released on-site	The substance will be reported as the sum of releases to all media (total of 1 tonne or less)	1 tonne or more of a Part 5 Substance (Speciated VOC) was released to air
NA - 17	Nitrate ion in solution at pH >= 6.0	No	No	No
7697-37-2	Nitric acid	Yes	Yes	No
NA - 22	Phosphorus (total)	Yes	Yes	No
7664-93-9	Sulphuric acid	No	No	No

General Information about the Substance - Disposals and Off-site Transfers for Recycling

CAS RN	Substance Name	Was the substance disposed of (on-site or off-site), or transferred for treatment prior to final disposal	Is the facility required to report on disposals of tailings and waste rock for the selected reporting period	Was the substance transferred off-site for recycling
NA - 17	Nitrate ion in solution at pH >= 6.0	Yes	No	Yes
7697-37-2	Nitric acid	No	No	Yes
NA - 22	Phosphorus (total)	No	No	Yes
7664-93-9	Sulphuric acid	No	No	Yes

General Information about the Substance - Nature of Activities

CAS RN	Substance Name	Manufacture the Substance	Process the Substance	Otherwise Use of the Substance
NA - 17	Nitrate ion in solution at pH >= 6.0			As a physical or chemical processing aid
7697-37-2	Nitric acid			As a physical or chemical processing aid
NA - 22	Phosphorus (total)			As a physical or chemical processing aid
7664-93-9	Sulphuric acid			As a physical or chemical processing aid

TRA Quantifications

CAS RN	Substance Name	Use, Creation, Contained in Product	Quantity	Use ranges for public reporting
NA - 17	Nitrate ion in solution at pH >= 6.0	Use	13.133 tonnes	Yes
NA - 17	Nitrate ion in solution at pH >= 6.0	Creation	0 tonnes	No
NA - 17	Nitrate ion in solution at pH >= 6.0	Contained in Product	0 tonnes	No
7697-37-2	Nitric acid	Use	41.605 tonnes	Yes
7697-37-2	Nitric acid	Creation	0 tonnes	No
7697-37-2	Nitric acid	Contained in Product	0 tonnes	No
NA - 22	Phosphorus (total)	Use	13.133 tonnes	Yes
NA - 22	Phosphorus (total)	Creation	0 tonnes	No
NA - 22	Phosphorus (total)	Contained in Product	0 tonnes	No
7664-93-9	Sulphuric acid	Use	101.579 tonnes	Yes
7664-93-9	Sulphuric acid	Creation	0 tonnes	No
7664-93-9	Sulphuric acid	Contained in Product	0 tonnes	No

TRA Quantifications - Others

CAS RN	Substance Name	Change in Method of Quantification	Reasons for Change	Description of how the change impact tracking and quantification of the substance	Description of how an incident(s) affected quantifications	Significant Process Change
NA - 17	Nitrate ion in solution at pH >= 6.0					No
7697-37-2	Nitric acid					No
NA - 22	Phosphorus (total)					No
7664-93-9	Sulphuric acid					No

Total Quantity Released (All Media)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
7697-37-2	Nitric acid	Total Quantity Released	O - Engineering Estimates		0.78 tonnes
NA - 22	Phosphorus (total)	Total Quantity Released	O - Engineering Estimates		0.003 tonnes

On-site Releases - Total

On-site Releases - Reasons for Changes in Quantities Released from Previous Year

CAS RN	Substance Name	Reasons for Changes in Quantities from Previous Year	Comments
7664-93-9	Sulphuric acid	Changes in production levels	
7697-37-2	Nitric acid	Changes in on-site treatment	
NA - 17	Nitrate ion in solution at pH >= 6.0	Changes in production levels	
NA - 22	Phosphorus (total)	No significant change (i.e. < 10%) or no change	

Disposals - On-site Disposal (excluding Tailings and Waste Rock)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 17	Nitrate ion in solution at pH >= 6.0	Landfill	O - Engineering Estimates		0 tonnes

Disposals - On-site Disposal (excluding Tailings and Waste Rock) - Total

CAS RN	Substance Name	Total - On-site Disposals
NA - 17	Nitrate ion in solution at pH >= 6.0	0 tonnes

Disposals - Off-site Disposal (excluding Tailings and Waste Rock)

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 17	Nitrate ion in solution at pH >= 6.0	Landfill	O - Engineering Estimates		1.912 tonnes

Disposals - Off-site Disposal (excluding Tailings and Waste Rock) - Total

CAS RN	Substance Name	Total - Off-site Disposals
NA - 17	Nitrate ion in solution at pH >= 6.0	1.912 tonnes

Disposals - Off-site Disposal (excluding Tailings and Waste Rock) - By Facilities

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
NA - 17	Nitrate ion in solution at pH >= 6.0	Landfill	Sodrox Chemicals Ltd.	7040 Wellington Rd. 124 S RR # 6, Guelph, ON, Canada	1.912 tonnes

Disposals - Total Quantity Disposed (All Media)

CAS RN	Substance Name	Total Quantity Disposed (All Media)
NA - 17	Nitrate ion in solution at pH >= 6.0	1.912 tonnes

Disposals - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Disposed	Reasons for Changes in Quantities from Previous Year	Comments
7664-93-9	Sulphuric acid		Changes in production levels	
7697-37-2	Nitric acid		Changes in production levels	
NA - 17	Nitrate ion in solution at pH >= 6.0	Production residues	Changes in production levels	
NA - 22	Phosphorus (total)		No significant change (i.e. < 10%) or no change	

Recycling - Off-site Transfers for Recycling

CAS RN	Substance Name	Category	Basis of Estimate	Detail Code	Quantity
NA - 17	Nitrate ion in solution at pH >= 6.0	Recovery of Inorganic Materials (not metals)	O - Engineering Estimates		9.85 tonnes
7697-37-2	Nitric acid	Recovery of Inorganic Materials (not metals)	O - Engineering Estimates		2.343 tonnes
NA - 22	Phosphorus (total)	Recovery of Inorganic Materials (not metals)	O - Engineering Estimates		9.85 tonnes
7664-93-9	Sulphuric acid	Recovery of Inorganic Materials (not metals)	O - Engineering Estimates		1.359 tonnes

Recycling - Off-site Transfers for Recycling - Total

CAS RN	Substance Name	Total - Off-site Transfers for Recycling
NA - 17	Nitrate ion in solution at pH >= 6.0	9.85 tonnes
7697-37-2	Nitric acid	2.343 tonnes
NA - 22	Phosphorus (total)	9.85 tonnes
7664-93-9	Sulphuric acid	1.359 tonnes

Recycling - Off-site Transfers for Recycling - By Facility

CAS RN	Substance Name	Category	Off-site Name	Off-site Address	Quantity
7664-93-9	Sulphuric acid	Recovery of Inorganic Materials (not metals)	Sodrox Chemicals Ltd.	7040 Wellington Rd. 124 S RR # 6, Guelph, ON, Canada	1.359 tonnes
7697-37-2	Nitric acid	Recovery of Inorganic Materials (not metals)	Sodrox Chemicals Ltd.	7040 Wellington Rd. 124 S RR # 6, Guelph, ON, Canada	2.343 tonnes
NA - 17	Nitrate ion in solution at pH >= 6.0	Recovery of Inorganic Materials (not metals)	Sodrox Chemicals Ltd.	7040 Wellington Rd. 124 S RR # 6, Guelph, ON, Canada	9.85 tonnes
NA - 22	Phosphorus (total)	Recovery of Inorganic Materials (not metals)	Sodrox Chemicals Ltd.	7040 Wellington Rd. 124 S RR # 6, Guelph, ON, Canada	9.85 tonnes

Recycling - Reasons and Comments

CAS RN	Substance Name	Reasons Why Substance Was Recycled	Reasons for Changes in Quantities Recycled from Previous Year	Comments
7664-93-9	Sulphuric acid	Production Residues	Changes in production levels	
7697-37-2	Nitric acid	Production Residues	Changes in production levels	
NA - 17	Nitrate ion in solution at pH >= 6.0	Production Residues	Changes in production levels	
NA - 22	Phosphorus (total)	Production Residues	Changes in production levels	

Comparison Report - Enters, Creation, Contained in Product

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Enters the facility (Use)	13.133 tonnes	16.881 tonnes	2015	-3.748	-22.20
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Creation	0 tonnes	0 tonnes	2015	0	
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Contained in Product	0 tonnes	0 tonnes	2015	0	
7697-37-2	Nitric acid	No	Enters the facility (Use)	41.605 tonnes	43.889 tonnes	2015	-2.284	-5.20
7697-37-2	Nitric acid	No	Creation	0 tonnes	0 tonnes	2015	0	
7697-37-2	Nitric acid	No	Contained in Product	0 tonnes	0 tonnes	2015	0	
NA - 22	Phosphorus (total)	No	Enters the facility (Use)	13.133 tonnes	16.881 tonnes	2015	-3.748	-22.20
NA - 22	Phosphorus (total)	No	Creation	0 tonnes	0 tonnes	2015	0	
NA - 22	Phosphorus (total)	No	Contained in Product	0 tonnes	0 tonnes	2015	0	
7664-93-9	Sulphuric acid	No	Enters the facility (Use)	101.579 tonnes	91.622 tonnes	2015	9.957	10.87
7664-93-9	Sulphuric acid	No	Creation	0 tonnes	0 tonnes	2015	0	
7664-93-9	Sulphuric acid	No	Contained in Product	0 tonnes	0 tonnes	2015	0	

Comparison Report - Enters, Creation, Contained in Product : Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 17	Nitrate ion in solution at pH >= 6.0	Decrease in production levels	
7697-37-2	Nitric acid	Decrease in production levels	
NA - 22	Phosphorus (total)	Decrease in production levels	
7664-93-9	Sulphuric acid	Increase in production levels	

Comparison Report - On-site Releases

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
7697-37-2	Nitric acid	No	Total Releases to Air	0 tonnes				

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
7697-37-2	Nitric acid	No	Total Releases to Water	0 tonnes				
7697-37-2	Nitric acid	No	Total Releases to Land	0 tonnes				
7697-37-2	Nitric acid	No	Total Releases to All Media	0.78 tonnes	0.087 tonnes	2015	0.693	796.55
NA - 22	Phosphorus (total)	No	Total Releases to Air	0 tonnes				
NA - 22	Phosphorus (total)	No	Total Releases to Water	0 tonnes				
NA - 22	Phosphorus (total)	No	Total Releases to Land	0 tonnes				
NA - 22	Phosphorus (total)	No	Total Releases to All Media	0.003 tonnes	0.003 tonnes	2015	0.000	0

Comparison Report - On-site Releases - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
7697-37-2	Nitric acid	Abnormal incident occurred at facility in the current reporting year	
NA - 22	Phosphorus (total)	No reasons - quantities approximately the same	

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Total On-site Disposals	0 tonnes	0 tonnes	2015	0	
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Total Off-site Disposals	1.912 tonnes	1.192 tonnes	2015	0.720	60.40
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Total Off-site transfer for treatment Prior to Final Disposal	0 tonnes	0 tonnes	2015	0	
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Total On-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Total Off-site Disposal of Tailings and Waste Rock	0 tonnes	0 tonnes	2015	0	

Comparison Report - Disposals On-site, Off-site and Tailings and Waste Rock - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 17	Nitrate ion in solution at pH >= 6.0	Decrease in production levels	

Comparison Report - Transfers off-site for Recycling

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 17	Nitrate ion in solution at pH >= 6.0	No	Total off-site Transfers for Recycling	9.85 tonnes	14.484 tonnes	2015	-4.634	-31.99
7697-37-2	Nitric acid	No	Total off-site Transfers for Recycling	2.343 tonnes	2.471 tonnes	2015	-0.128	-5.18
NA - 22	Phosphorus (total)	No	Total off-site Transfers for Recycling	9.85 tonnes	14.484 tonnes	2015	-4.634	-31.99
7664-93-9	Sulphuric acid	No	Total off-site Transfers for Recycling	1.359 tonnes	5.082 tonnes	2015	-3.723	-73.26

Comparison Report - Transfers off-site for Recycling - Reason(s) for Change

CAS RN	Substance Name	Reason(s) for Change	Other Reason
NA - 17	Nitrate ion in solution at pH >= 6.0	Decrease in production levels	
7697-37-2	Nitric acid	No reasons - quantities approximately the same	
NA - 22	Phosphorus (total)	Decrease in production levels	
7664-93-9	Sulphuric acid	Abnormal incident occurred at facility in the current reporting year	

Pollution Prevention

Does the facility have a documented pollution prevention plan?

Yes

a) Please check all that apply

Plan was prepared or implemented for another government jurisdiction (i.e. other Federal

government department, province, municipality). Specify name in comments field below.

b) Did the facility update their plan in the current reporting year?

Yes

c) Does the plan address substances, energy conservation, or water conservation?

Water conservation

Please summarize your pollution prevention plan and/or your pollution prevention activities (this information will be publicly available)

City of Toronto P2 Plan

Did the facility complete any pollution prevention activities in the current NPRI reporting year

Yes

Pollution Prevention Activities

Category	Activity	Name and description of the other activity
Equipment or Process Modifications		
Good Operating Practice or Training	Improved maintenance scheduling, record keeping Training related to pollution prevention	
Inventory Management or Purchasing Techniques		
Materials or feedstock substitution	Substituted materials	
On-site Re-use, Recycling, or Recovery	Instituted recirculation within a process	Continued recycling purified effluent reducing water usage by ~ 30 %
Other Pollution Prevention Activities		
Product Design or Reformulation		
Spill or Leak Prevention Activities		

Progress on TRA Plan - Objectives

CAS RN	Substance Name	Objectives
NA - 17	Nitrate ion in solution at pH >= 6.0	Not to reduce Nitrate Ion
7697-37-2	Nitric acid	Progressive objective is NOT to Reduce the use of Nitric Acid but rather to increase it as Bright Dip is one of the aluminum treatments that they provide and one of the reasons why they are in business.
NA - 22	Phosphorus (total)	In 2014 Progressive plans to ELIMINATE the Phosphoric Acid CLEANING bath and replace it with an alkaline phosphate free metal cleaning process. It also will be recycling up to 50 % of the purified effluent thus further reducing the :P: content of the effluent going into the City of Toronto sanitary sewer.
7664-93-9	Sulphuric acid	Progressive does NOT intend to reduce the use of Sulfuric Acid. Their objectives is to increase it from increased business volume.

Progress on TRA Plan - Use Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 17	Nitrate ion in solution at pH >= 6.0	No quantity target	No timeline target	
7697-37-2	Nitric acid	No quantity target	No timeline target	
NA - 22	Phosphorus (total)	2.1 tonnes	1	Elimination of the Phosphoric Acid Bath Recycling of purified effluent
7664-93-9	Sulphuric acid	No quantity target	No timeline target	

Progress on TRA Plan - Creation Targets

CAS RN	Substance Name	Quantity	Years	Description of Target
NA - 17	Nitrate ion in solution at pH >= 6.0	No quantity target	No timeline target	
7697-37-2	Nitric acid	No quantity target	No timeline target	
NA - 22	Phosphorus (total)	No quantity target	No timeline target	
7664-93-9	Sulphuric acid	No quantity target	No timeline target	

Progress on TRA Plan - Toxic Reduction Options Implemented

CAS RN	Substance Name	Activity	Steps that were taken in the reporting period to implement the toxic reduction option	Public summary of the description of the steps	Comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period	Public summary of the comparison of the steps
NA - 22	Phosphorus (total)	Other	In 2016 there were no steps taken to implement the Toxic reduction option designated as the Alkaline Cleaner	In 2016 there were no steps taken to implement the Toxic reduction option designated as the Alkaline Cleaner proposed	In 2016 there were no steps taken to implement the Toxic reduction option designated as the Alkaline Cleaner proposed	In 2016 there were no steps taken to implement the Toxic reduction option designated as the Alkaline Cleaner proposed

CAS RN	Substance Name	Activity	Steps that were taken in the reporting period to implement the toxic reduction option	Public summary of the description of the steps	Comparison of the steps that were described in the plan for implementation with the actual steps taken during the reporting period	Public summary of the comparison of the steps
			proposed in 2014 was found to be ineffective,	in 2014 was found to be ineffective,	in 2014 was found to be ineffective,	in 2014 was found to be ineffective,
NA - 22	Phosphorus (total)	Instituted recirculation within a process	Effluent purification and recycling of ~ 30 % of the water is continuing.	Effluent purification and recycling of ~ 30 % of the water is continuing.	Effluent purification and recycling of ~ 30 % of the water is continuing.	Effluent purification and recycling of ~ 30 % of the water is continuing.

Progress on TRA Plan - Reductions due to Options Implemented - Materials or feedstock substitution

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 22	Phosphorus (total)	Other	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 22	Phosphorus (total)	Other	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 22	Phosphorus (total)	Other	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 22	Phosphorus (total)	Other	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 22	Phosphorus (total)	Other	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 22	Phosphorus (total)	Other	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described:	No Amount
NA - 22	Phosphorus (total)	Other	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 22	Phosphorus (total)	Other	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	No Amount
NA - 22	Phosphorus (total)	Other	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described:	No Amount

Progress on TRA Plan - Reductions due to Options Implemented - On-site reuse, recycling or recovery

CAS RN	Substance Name	Activity	Reductions due to Options Implemented	Quantity
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in use of the substance at the facility during the reporting period that resulted due to the steps described:	3.648 tonnes
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in creation of the substance at the facility during the reporting period that resulted due to the steps described:	0 tonnes
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in the substance contained in product at the facility during the reporting period that resulted due to the steps described:	0 tonnes
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in release to air of the substance at the facility during the reporting period that resulted due to the steps described:	0 tonnes
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in release to water of the substance at the facility during the reporting period that resulted due to the steps described:	0 tonnes
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in release to land of the substance at the facility during the reporting period that resulted due to steps described:	0 tonnes
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in the substance disposed on-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	0 tonnes
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in the substance disposed off-site (including tailings and waste rocks) at the facility during the reporting period that resulted due to the steps described:	0 tonnes
NA - 22	Phosphorus (total)	Instituted recirculation within a process	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the steps described:	4.634 tonnes

Progress on TRA Plan - Additional Actions

CAS RN	Substance Name	Were there any additional actions outside the plan taken during the reporting period to reduce the use and/or creation of the substance?	Describe any additional actions that were taken during the reporting period to achieve the plan's objectives	Provide a public summary of the description of the additional action taken
NA - 17	Nitrate ion in solution at pH >= 6.0	No		
7697-37-2	Nitric acid	No		
NA - 22	Phosphorus (total)	No		
7664-93-9	Sulphuric acid	No		

Progress on TRA Plan - Reductions due to additional actions taken

CAS RN	Substance Name	Reductions due to additional actions taken	Quantity
7664-93-9	Sulphuric acid	The amount of reduction in the substance recycled off-site at the facility during the reporting period that resulted due to the additional actions.	

Progress on TRA Plan - Amendments

CAS RN	Substance Name	Were any amendments made to the toxic substance reduction plan during the reporting period	Description any amendments that were made to the toxic substance reduction plan during the reporting period	Provide a public summary of the description of any amendments that were made to the toxic substance reduction plan during the reporting period
NA - 17	Nitrate ion in solution at pH >= 6.0	No		
7697-37-2	Nitric acid	No		
NA - 22	Phosphorus (total)	No		
7664-93-9	Sulphuric acid	No		

Report Submission and Electronic Certification

NPRI - Electronic Statement of Certification

Specify the language of correspondence

English

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

Progressive Anodizers Inc.

Certifying Official (or authorized delegate)

Philip Leal

Report Submitted by

Arthur Leal

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 MOE TRA - Electronic Certification Statement

Annual Report Certification Statement

As of 30/05/2017, I, Art Leal, 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 - 17	Nitrate ion in solution at pH >= 6.0
7697-37-2	Nitric acid
NA - 22	Phosphorus (total)
7664-93-9	Sulphuric acid

Company Name

Progressive Anodizers Inc.

Highest Ranking Employee

Art Leal

Report Submitted by

Arthur Leal

Website address

