# SUPPLEMENTAL SUMMARY PLAN STATEMENT

Baycoat is required under Ontario Regulation 455/09 "Toxic Reduction Act", to develop Toxic Reduction Plans for reportable substances and to make summaries of these plans available. The Toxic Reduction Plans are updated on a 5 year basis to reflect current operations, new or modified reduction options and other changes which may have occurred at the facility.

Readers are cautioned that the following Toxic Reduction Plan Summary is shown as it existed on the Date of Certification and as such may not fully reflect the current conditions at Baycoat, which will be incorporated in the next Toxic Reduction Plan update. Similarly, reduction options listed in the Toxic Reduction Plan Summary may not reflect changes that occurred during the implementation stage for some options and will be addressed in future updates.

Sincerely, February 28, 2018 Graham Brown General Manager, Baycoat

Substance Name and CAS #	Nitrogen Oxides (11104-93-1)								
Facility Identification and Site Address									
Legal Company Name:	Dofasco Inc., Stelco Inc.								
Facility Name:	Baycoat								
Facility Address:	244 Lanark St., Hamilton, ON L8N 3K7								
Spatial Coordinates of Facility:	43.24280E -79.75030N NAD82								
Number of Full-time Employees:	170								
Facility NPRI ID:	15								
Ontario MOECC ID Number (if assigned):									
2 Digit NAICS Code:	33								
4 Digit NAICS Code:	3328								
6 Digit NAICS Code:	332810								
Parent Company Information									
Name of Parent Company:	ArcelorMittal Dofasco								
Address of Parent Company:	1330 Burlington St. E. Hamilton, ON L8N 3J5								
Percentage Ownership of Facility:	50%								
Name of Parent Company:	US Steel Canada								
Address of Parent Company:	100 King St. W. Hamilton, ON L8N 3T1								
Percentage Ownership of Facility:	50%								
Company Co	ontact Information								
Public Contact Name:	Graham Brown								
Position / Title:	President and General Manager								
Telephone:	905-561-0965								
Substances for Which Other Plans Have Been Prepared (Name, CAS #)									
Chromium (NA-01)	Methyl Isobutyl Ketone (108-10-1)								
Zinc (NA-14)	Methyl Ethyl Ketone (78-93-3)								
Nickel (NA-11)	Isopropyl Alcohol (67-63-0)								
Xylene (1330-20-7)	1,2,4 Trimethyl Benzene (95-63-6)								
Toluene (108-88-3)	2-butoxyethanol (111-76-2)								
Ethylbenzene (100-41-4)	Solvent Naphtha Light (64742-95-6)								
Naphthalene (91-20-3)	Butyl Carbitol Solvent (112-34-5)								
Methanol (67-56-1)	Medium Aromatic Naphtha (64742-94-5)								

# TOXIC SUBSTANCE REDUCTION PLAN SUMMARY

#### **PLAN SUMMARY STATEMENT**

This plan summary accurately reflects the content of the toxic substance reduction plan for:

• Nitrogen Oxides (11104-93-1)

# TOXIC REDUCTION POLICY STATEMENT OF INTENT

Nitrogen oxides are currently created during the combustion of natural gas at Baycoat. Baycoat intends to reduce the creation of nitrogen oxides during natural gas combustion at the facility, if feasible to do so. The facility does not use or handle nitrogen dioxide as a feedstock to the processes; therefore, this plan will not address reducing the use of nitrogen oxides.

### **REDUCTION OBJECTIVES**

Baycoat will strive to reduce the creation of nitrogen oxides during natural gas combustion at the facility. Further, this plan will determine the technical and economic feasibility of each option to determine which, if any, are viable for implementation at this time.

#### **DESCRIPTION OF SUBSTANCE**

Nitrogen oxides are created during the combustion of natural gas.

# TOXIC SUBSTANCE REDUCTION OPTION(S) TO BE IMPLEMENTED

The following technically and economically feasible options have been identified for implementation to reduce the creation of Nitrogen oxides by:

• Improving the energy efficiency of the ovens, afterburner/oxidizer, comfort heating of buildings and temperature control of curing.

The plan is to be implemented by December 31, 2019 and is expected to result in a total reduction of 10 percent in the amount created and released to the air over five years (2% per year).

	Estimate of NOx Reduction over 5 Years, %									
Options	Used	Created	On-Site Releases		Disposal		Transferred	Contained	Transformed	
			Air	Land	Water	On-Site	Off-Site	(recycling)	in product	Transformeu
Options 3 to 6:										
Improve Energy		10%	10%							
Efficiency										

#### **CERTIFICATION STATEMENTS**

9. PLAN CERTIFICATION

As of <u>May 23</u> 2014, I, Graham Brown BAYCOAT, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. The regulatory submission deadline of December 31, 2013 was not met for this Phase 2 Substance report due to the availability of resources to prepare the plan.

Nitrogen Oxides (11104-93-1)

Graham Brown, President Baycoat (Highest Ranking Employee)

As of  $\underline{MAY}$  22, 2014 I, SCOTT MANSER, PLANNER ORTECH ENVIRONMENTAL, certify that I am familiar with the processes at Baycoat that use or create the toxic substance referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the Toxics Reduction Act, 2009 that are set out in the plan dated December 31, 2013 and that the plan. With the exception of the regulatory deadline, complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Nitrogen Oxides (11104-93-1)

Scott Manser

Toxic Substance Reduction Planner License No. TSRP0071

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