

# Toxic Reduction Plan

for

OxyVinyls Canada Co.  
Niagara PVC Plant  
8800 Thorold Townline Rd.  
Thorold, ON L2E 6V9

per

O.Reg. 455/09

## 1. Nitrate Ion

July 24, 2015

## **Statement of Intent**

Oxy Vinyls Canada Co. is required under O.Reg. 455/09 to develop Toxic Reduction Plans.

Oxy Vinyls Canada Co. is committed to reducing the use, creation, or transfer of toxic substances in its processes where feasible and economically viable.

## **Objective**

The objective of this Toxic Reduction Plan is to identify the toxic substances used, created, or transferred, how they are used, created, or transferred, where they are used, created, or transferred, and how their use, creation, or transfer can be reduced or eliminated.

**Facility Information** (per O.Reg.455/09, s.18. (2))

1. Substances:  
The following Phase 1 substances are included in this Plan:

<u>Name</u>	<u>CAS Registry No.</u>
Nitrate Ion	NA-17
2. NPRI Identification No: 5762
3. MOE Identification No per O.Reg. 127/01: 5294
4. Legal Name and Address: 

Street:	OxyVinyls Canada Co. 8800 Thorold Townline Rd. Thorold, ON L2E 6S5
Mailing:	OxyVinyls Canada Co. P.O.Box 1027 Niagara Falls, ON L2E 6V9
5. Full Time Employees: 91
6. NAICS Code: 325210
7. Company Contact: Jim Segada - Plant Manager  
Tel: 905-374-5601
8. Technical Contact: Jane Perz – Environmental Engineer  
Tel: 905-374-5629
9. Plan Coordinator: Jane Perz
10. Plan Preparation: Jane Perz
11. Highest Ranking Employee: Jim Segada
12. Addresses of Contacts: Same as 4.
13. Plant Location (UTM): 

Zone:	17T
Easting:	648800
Northing:	4767600
Latitude:	42.98100
Longitude:	-79.26660
14. Canadian Parent Company: Occidental Canada Holdings Ltd.  
Charles S. Reagan  
Suite 900  
1959 Upper Water Street  
Halifax, Nova Scotia B3J 2X2
15. Certifying Toxic Reduction Planner: TSRP0071  
Name: Scott Manser, P.Eng.  
Position: Senior Project Manager  
ORTECH Environmental

Address: 1421 Grand Maris Road West  
P.O. Box 35020  
Windsor, Ontario N9E 4V0  
Phone Number: (519) 966-8798  
E-mail: [smanser@ortech.ca](mailto:smanser@ortech.ca)

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## **Identification of Reduction Options**

### **Material or Feedstock Substitution - No option identified**

There are no alternative feedstocks available which do not create nitrate ions when dissolved. There are no substitutes for the process aids used. The process aids being used are critical to the production of prime quality PVC resin.

### **Product Design or Reformulation - No option identified**

Product and processing aids cannot be redesigned or reformulated.

### **Equipment or Process Modifications - No option identified**

The nitrate ions created by the dissolution of the processing aids remains unchanged as it passes through the production process and thus the equipment or process modification are not relevant

### **Spill and Leak Prevention - No option identified**

Nitrate ions leakage and spillage does not occur and is not relevant.

### **On-site Reuse or Recycling - No option identified**

Reuse and recycling does not apply to these processes.

### **Improved Inventory Management or Purchasing Techniques - No option identified**

Inventory management and purchasing techniques do not apply to these processes.

### **Training or Improved Operating Practices - No option identified**

All utilities operating personnel in the plant are fully trained to operate the waste water treatment system and are required to maintain up to date training by periodic recertification on the procedures. As operating practices are improved, procedures are updated and the operating personnel are required to train and complete certification on the new procedures. Procedures and guidelines for sampling and testing of nitrate ions in the effluent stream require corrective actions to be taken by the operating personnel in order to ensure MISA samples are in compliance with the Regulations.


## **Feasibility of Reduction Options**

None identified



## PLAN CERTIFICATION FOR NITRATE ION

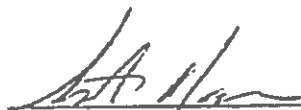
As of July 27, 2015, I, Jim Segada, certify that I have read the toxic substance reduction plan for the toxic substance referred to below and am familiar with its contents, and to my knowledge the plan is factually accurate and, with the exception of the regulatory deadline, complies with the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 (General) made under that Act. The regulatory deadline of December 31, 2013 was not met due to environmental expertise resource constraints.

  
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Jim Segada, Plant Manager  
Oxy Vinyls Canada Co.

7/27/15

As of July 24, 2015, I, Scott Manser certify that I am familiar with the processes at Oxy Vinyls 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 July 24, 2015 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.

- Nitrate Ion, cas#NA-17

  
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Scott Manser, Toxic Reduction Planner  
TSRP0071

July 24, 2015

