

**WALLENSTEIN FEED & SUPPLY LTD.  
Monkton Operations**

**TOXIC SUBSTANCE REDUCTION  
PLAN SUMMARY**

**2016 Operations – Phase II Substances**

**Cobalt (and its compounds)  
Phosphorous (total)  
Particulate Matter <= 10 microns (PM<sub>10</sub>)  
Particulate Matter <= 2.5 microns (PM<sub>2.5</sub>)**

**Submitted to:**

Vicky Hammell  
Operations Manager  
Wallenstein Feed & Supply Ltd.  
132 Maddison Street West  
Monkton, Ontario  
N0K 1K0

**Submitted by:**

Amec Foster Wheeler Environment & Infrastructure  
900 Maple Grove Road, Unit 10  
Cambridge, ON,

Date

December 29, 2017

Project Number SWC174

## **TOXIC REDUCTION POLICY STATEMENT OF INTENT**

WFS-Monkton does not intend to reduce the amount of cobalt and/or phosphorous used in its production of animal feed pre-mixes as it is optimized for animal health and growth. Additionally there are no options at this time to reduce the creation of the particulate matter (PM<sub>10</sub> or PM<sub>2.5</sub>) that results from the handling and processing of the bulk dry feed ingredients.

However as WFS-Monkton is committed to protecting the environment, wherever feasible, the reduction of cobalt and/or phosphorous as well as particulate matter from production activities will be implemented should alternatives that are both technically and economically feasible be identified. Our employees are encouraged to participate in all types of reduction activities but the toxic substances associated with WFS-Monkton operations are primary ingredients in our feed pre-mixes to improve and maintain the health of animals. An additional effort is also ongoing at the facility to reduce the discharge and disposal of cobalt and/or phosphorus as well as the particulate matter created as a by-product of production as this is not only environmentally responsible operations it also indicates improved efficiencies in our processing operations.

Wallenstein Feed & Supply Ltd. is deeply committed to the sustainability of the food chain from animal nutrition to human health. The safety of that food chain and an awareness of impacts on the environment and society are the foundations for sustainability. Ongoing research in animal nutrition will identify any opportunities to reduce or replace the use of potentially toxic substances for the environment while maintaining the quality of feed for optimal animal nutrition.

## **REDUCTION OBJECTIVES**

All employees at WFS-Monkton will be involved in the reduction of toxic substance use, creation and releases. Cobalt and/or Phosphorous are priority substances identified in this planning for the reduction associated with off-specification feed formulations and ultimate disposal of toxic containing materials. WFS-Monkton's goal is to continue to reduce the amount of feed pre-mix disposed of that contain the cobalt and/or phosphorous compounds where technically and economically feasible. Wallenstein Feed & Supply Ltd. is committed to animal health and nutrition and as advances in nutritional research occur any changes in the source of nutritional supplements will be incorporated into WFS-Monkton's feed pre-mix formulation as it is granted approval by the appropriate governing bodies and found to be an economically viable alternative. All production activities that have the potential to create particulate matter as a by-product has implemented Best Management practices and enhanced controls where technically and economically feasible. Therefore, there are no options being implemented at this time.

## **PLAN SUMMARY STATEMENT**

This plan summary accurately reflects the content of the toxic substance reduction plan for cobalt, phosphorous and particulate matter as PM<sub>10</sub> and PM<sub>2.5</sub> prepared on behalf of WFS-Monkton dated 29 December 2017.

## BASIC FACILITY INFORMATION

Company Name: Wallenstein Feed & Supply Ltd.  
Monkton Operations

### Contact Information:

Highest Ranking Employee: Vicky Hammell  
Operations Manager  
519-669-5143  
[vickyhammell@wfs.ca](mailto:vickyhammell@wfs.ca)

Technical Contact: Vicky Hammell  
Operations Manager  
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Certified Planner: Beth Rhyno P.Eng.  
License Number TSRP0273  
Senior Environmental Engineer – Project Manager  
Amec Foster Wheeler Environment & Infrastructure  
519-650-7104  
[beth.rhyno@amec.com](mailto:beth.rhyno@amec.com)

Parent Company: Wallenstein Feed & Supply Ltd.  
100% ownership

Facility Address: 132 Maddison Street West  
Monkton, Ontario  
N0K 1P0

UTM Locator (NAD83): Zone - 17  
493362E; 4826005N

Business Number: 103361671

The facility's NPRI ID: 11904

In 2016, WFS-Monkton employed about 16 full time employees (equivalent)

The NAICS codes applicable to the facility are:

31	- Manufacturing
3111	– Animal Food Manufacturing
311119	– Other Animal Food Manufacturing

The site utilizes four (4) MOE prescribed Phase II Toxic compounds: Cobalt, Phosphorous and Particulate Matter as PM<sub>10</sub> and PM<sub>2.5</sub>. Cobalt and Phosphorous are utilized as essential nutritional ingredients in the multiple animal feed products developed during production. Particulate matter is a by-product created during the processing activities and supporting operations.

As all four (4) of these substances follow a similar process, one collective TRA plan has been developed for cobalt, phosphorous, PM<sub>10</sub> and PM<sub>2.5</sub>.

The CAS numbers for the MOECC Toxic Compounds included in this plan are:

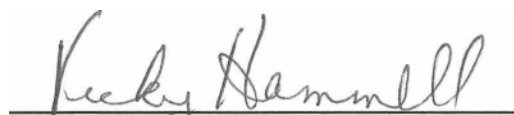
Cobalt (and its compounds)	NA-05
Phosphorous (total)	NA-22
Particulate Matter <= 10 microns (PM <sub>10</sub> )	NA-M09
Particulate Matter <= 2.5 microns (PM <sub>2.5</sub> )	NA-M10

this TRA Plan Summary has been created for the 2016 operations as the NPRI threshold reporting quantities for Cobalt were reduced for the 2016 reporting year and the quantity used at the WFS Monkton site met the reporting value. This is the first year that the site met the reporting threshold, due to the reduced reporting quantity not specifically the production quantity.

### **CERTIFICATION OF HIGHEST RANKING EMPLOYEE**

As of 29 December 2017, I, Vicky Hammell, 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.

Cobalt (and its compounds)	NA-05
Phosphorous (total)	NA-22
Particulate Matter <= 10 microns (PM <sub>10</sub> )	NA-M09
Particulate Matter <= 2.5 microns (PM <sub>2.5</sub> )	NA-M10



Vicky Hammell  
Operations Manager  
Wallenstein Feed & Supply Ltd.

### **CERTIFICATION OF LICENSED PLANNER**

As of 29 December 2017, I, Beth Rhyno, certify that I am familiar with the processes at the Wallenstein Feed & Supply Ltd. - Monkton facility, 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 30 December 2013 and that the plan complies with that Act and Ontario Regulation 455/09 (General) made under that Act.

Cobalt (and its compounds)	NA-05
Phosphorous (total)	NA-22
Particulate Matter <= 10 microns (PM <sub>10</sub> )	NA-M09
Particulate Matter <= 2.5 microns (PM <sub>2.5</sub> )	NA-M10



Beth Rhyno, P.Eng.  
Licensed Toxic Reduction Planner (Ontario): License Number TSRP0273  
Senior Engineer  
Amec Foster Wheeler Environment & Infrastructure