

Basic Facility Information

Facility Information		
Company Name	Flowserve Canada Corp.	
Facility Address	225 Speedvale Ave. West	
Site Coordinates (main entrance of site)	17 T 557931.43 E, 4821955.39 N	
NPRI ID	29520	
MOE ID	-	
Number of Full-Time Employees in 2016	105	
2-Digit NAICS Code	33 – Manufacturing	
4- Digit NAICS Code	3339 – Other general-purpose machinery manufacturing	
6-Digit NAICS Code	333910 – Pump and compressor manufacturing	
Substance Information		
Substance Name	CAS #	
Lead (and its compounds)	NA – 08	
Cobalt (and its compounds)	NA – 05	
Facility Contact Information		
Public Contact	Frank O'Brien, SHEA Coordinator 225 Speedvale Ave West Guelph, ON N1H 6L8	fobrien@flowserve.com P: 519-824-4600

1. STATEMENT OF INTENT

Flowserve Canada Corp. is committed to identifying options to reduce the use of toxic substances where feasible. The use of cobalt and lead are an integral part of the products that we manufacture, and it is therefore not technically or economically feasible to reduce. We will continue to use these substances in strict accordance with all applicable environmental regulations.

The reduction plan for cobalt was prepared on a voluntary basis since the total usage did not exceed the NPRI reporting criteria.

2. OBJECTIVES OF THE PLAN & TARGETS (IF ANY)

The objectives of this plan are to:

- identify potential toxic substance reduction options for lead and cobalt;
- assess the technical and economic feasibility of reduction options, if any are identified; and
- determine which options, if any, are feasible for implementation.

As part of the continual improvement practices at the facility, technical advances will be monitored for new opportunities to reduce the use of cobalt and lead at the facility.

3. DESCRIPTION OF WHY THE TOXIC SUBSTANCE IS USED OR CREATED

Lead is required for the properties it imparts to the alloy of the castings used to produce parts that have specifications based on customer requirements and have been selected for use in order to meet industry, quality, and safety standards.

Cobalt is a trace element that forms the stainless steel material used to produce parts that have specifications based on customer requirements and have been selected for use in order to meet industry, quality, and safety standards. Stainless steel will always have traces of cobalt.

Neither lead nor cobalt are created at the facility.

4. OPTIONS TO BE IMPLEMENTED (OR STATEMENT THAT NONE ARE TO BE IMPLEMENTED)

The facility currently does not plan to implement any reduction options since no new opportunities for reduction were identified. Technical and economic feasibility analysis are not included in the plan since no reduction option was identified.

The facility will continue to make improvements to processes and programs where feasible.

5. ESTIMATED REDUCTIONS UNDER THE OPTIONS SELECTED (IF ANY)

Not applicable.

6. TIMELINES FOR ACHIEVING ESTIMATED REDUCTION (IF ANY)

Not applicable.

7. CONTENTS OF THIS PLAN SUMMARY REFLECTS PLAN

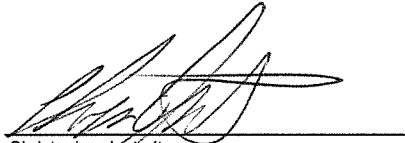
This Plan Summary accurately reflects the Toxic Substance Reduction Plans dated December 20, 2017, prepared for the substances listed in Section 1.0 of this Summary.

8. COPY OF CERTIFICATIONS

Certification by highest ranking employee

As of DECEMBER 17, 2017, I, CHRIS JESTADT, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Lead (and its compounds)
Cobalt (and its compounds)



Christopher Jestadt
Director, General Manager
Flowserve Canada Corp.

DECEMBER 17, 2017
Date

Certification by toxic substance reduction planner

As of December 13, 2017, I, Connie Lum, certify that I am familiar with the processes at Flowserve Canada Corp. that use or create the toxic substances 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 toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Lead (and its compounds)
Cobalt (and its compounds)



Connie Lum, B.Sc., EP
Toxic Substance Reduction Planner (TSRP0089)
EnviroLum Consulting Inc.

December 13, 2017
Date