

1. General Information

| Facility Information | | |
|--|---|---|
| Company Name | Flowserve Canada Corp. | |
| Facility Address | 225 Speedvale Ave West | |
| Site Coordinates (main entrance of site) | 17 T 557929.46 mE 4821959.06 mN | |
| NPRI ID | 29520 | |
| MOE ID | - | |
| Number of Full-Time Employees | 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 | |
| Facility Contact Information | | |
| Report Prepared by | Envirolum Consulting Inc. Ms. Connie Lum, Principal Environmental Consultant connie@envirolum.com TSRP0089 | |
| Public Contact | Mr. Frank O'Brien SHEA Coordinator Phone #: 519-824-4600 Fax #: 519-824-7250 | fobrien@flowserve.com 225 Speedvale Ave West Guelph, ON N1H 6L8 |

2. Toxic Substance Accounting Summary

Facility-wide Amounts of Toxic Substances Reported for 2017:

| Substance Name | Used | Created | Contained In Product | Release to Air | Disposed / Recycled |
|--------------------------|--------------|---------|----------------------|----------------|---------------------|
| Lead (and its compounds) | 100 to 1,000 | -- | 100 to 1,000 | 0 | 10 to 100 |

NOTE: Units are expressed in kilograms, unless otherwise indicated. '--' indicates not applicable.

3. Quantification Comparison to Previous Year

3.1 Lead (and its compounds)

| | Unit | 2017 | 2016 | Change (Unit) | Change (%) | Rationale for Change |
|---------------------------|--------|--------------|--------------|---------------|------------|-----------------------------|
| Used | Tonnes | 100 to 1,000 | 100 to 1,000 | ↓ 1 to 10 | ↓ 2.1 | No significant change. |
| Created | -- | -- | -- | -- | -- | |
| Contained In Product | Tonnes | 100 to 1,000 | 100 to 1,000 | ↓ 1 to 10 | ↓ 2.1 | |
| Release to Air | Tonnes | 0 | 0 | 0 | 0 | |
| Release to Water | -- | -- | -- | -- | -- | |
| On-site Disposal | -- | -- | -- | -- | -- | |
| Transferred for Disposal | -- | -- | -- | -- | -- | |
| Transferred for Recycling | Tonnes | 10 to 100 | 100 to 1,000 | ↓ 10 to 100 | ↓ 30.3 | Decrease in metals recycled |

4. Objectives

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.

5. Progress in Implementing Plan

This section does not apply since no feasible reduction options are available for implementation at this time.

For additional information regarding on-site releases from the facility, as well as disposal and off-site recycling information please refer to National Pollutant Release Inventory's website: <http://www.ec.gc.ca/inrp-npri/>.

6. Highest Ranking Certification

The signed certification of the annual report is kept on file at the facility.

Annual Report Certification Statement

As of 25/05/2018, I, Ian Karas, 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 - 08 | Lead (and its compounds) |

Company Name

Flowserve Canada Corp.

Highest Ranking Employee

Ian Karas

Report Submitted by

Ian Karas

Website address

<http://www.envirolum.com/flowserve-canada-corp.html>

I, the highest ranking employee, agree with the certification statement(s) above and acknowledge that by checking the box I am electronically signing the statement(s). I also acknowledge that by pressing the 'Submit Report(s)' button I am submitting the facility record(s)/report(s) for the identified facility to the Director under the Toxics Reduction Act, 2009. I also acknowledge that the Toxics Reduction Act, 2009 and Ontario Regulation 455/09 provide the authority to the Director under the Act to make certain information as specified in subsection 27(5) of Ontario Regulation 455/09 available to the public.