

**GKN SINTER METALS LTD.**  
7 MICHIGAN BLVD., ST THOMAS, ONTARIO N5P 1H1

**TOXICS REDUCTION ACT**  
**TOXIC SUBSTANCE REDUCTION PLAN SUMMARIES**  
**2013**

REPORT PREPARED BY:  
*O2E INC.*

REPORT PREPARED FOR:  
PATRICK AMBROSE  
*GKN SINTER METALS*

OCTOBER 11, 2013

LONDON

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## 1. PLAN SUMMARY – Particulate Matter ≤ 10 Microns

<b>Name and CASRN of Substance</b>	Particulate Matter ≤ 10 Microns	Not applicable
<b>Substances for which other plans have been prepared</b>	Particulate Matter ≤ 2.5 Microns	Not applicable
	Copper (and its compounds)	Not applicable
	Nickel (and its compounds)	Not applicable

### 1.1 Basic Facility Information

Basic facility information has been included in Section 3 of this document.

### 1.2 Toxic Reduction Policy Statement of Intent

At GKN Sinter Metals, we are committed to providing a safe working environment to employees and are playing our part in protecting the environment. Particulate Matter ≤ 10 Microns (PM<sub>10</sub>) are currently created and released from the facility. Since the facility currently employs emission controls as well as is currently upgrading their equipment to further reduce particulate matter, GKN is unable to identify any new ways to reduce the creation and emission of PM<sub>10</sub>. The facility will ensure sound management that minimizes the creation and release of this substance to mitigate any adverse impacts on human health and the environment.

### 1.3 Reduction Objectives

GKN Sinter Metals Limited is unable to further reduce the creation and release of PM<sub>10</sub>. However, will ensure sound management that minimizes the creation and release of this substance to mitigate any adverse impacts on human health and the environment.

### 1.4 Description of Substance

PM<sub>10</sub> is a by-product of combustion and is present in emissions from the dust collector, sintering furnaces, rust inhibitor lines and cooling towers. GKN Sinter Metals produces motor vehicle transmission and power train parts in which these processes play an integral role.

### 1.5 Toxic Substance Reduction Option to be Implemented

There are currently no options identified for implementation to reduce the creation and release of PM<sub>10</sub>.

### 1.6 Plan Summary Statement

This plan accurately reflects the content of the toxic substance reduction plan for PM<sub>10</sub>, prepared on behalf of GKN Sinter Metals Limited, and dated October 11, 2013.



## 1.7 Copy of Plan Certification

A copy of the plan certification is presented in Section 4 of this document.

## 2. PLAN SUMMARY – Particulate Matter ≤ 2.5 Microns

<b>Name and CASRN of Substance</b>	Particulate Matter ≤ 2.5 Microns	Not applicable
<b>Substances for which other plans have been prepared</b>	Particulate Matter ≤ 10 Microns	Not applicable
	Copper (and its compounds)	Not applicable
	Nickel (and its compounds)	Not applicable

### 2.1 Basic Facility Information

Basic facility information has been included in Section 3 of this document.

### 2.2 Toxic Reduction Policy Statement of Intent

At GKN Sinter Metals, we are committed to providing a safe working environment to employees and are playing our part in protecting the environment. Particulate Matter ≤ 2.5 Microns (PM<sub>2.5</sub>) are currently created and emitted from the facility. Since the facility currently employs emission controls as well as is currently upgrading their equipment to further reduce particulate matter, GKN is unable to identify any new ways to reduce the creation and emission of PM<sub>2.5</sub>. The facility will ensure sound management that minimizes the creation and release of this substance to mitigate any adverse impacts on human health and the environment.

### 2.3 Reduction Objectives

GKN Sinter Metals Limited is unable to further reduce the creation or release of PM<sub>2.5</sub>. However, will ensure sound management that minimizes the creation and release of this substance to mitigate any adverse impacts on human health and the environment.

### 2.4 Description of Substance

PM<sub>2.5</sub> is a by-product of combustion and is present in process emissions from the dust collector, sintering furnaces, rust inhibitor lines and cooling towers. GKN Sinter Metals produces motor vehicle transmission and power train parts in which these processes play an integral role.

### 2.5 Toxic Substance Reduction Option to be Implemented

There are currently no options identified for implementation to reduce the creation and release of PM<sub>2.5</sub>.

## **2.6 Plan Summary Statement**

This plan accurately reflects the content of the toxic substance reduction plan for PM<sub>2.5</sub>, prepared on behalf of GKN Sinter Metals Limited, and dated October 11, 2013.

## **2.7 Copy of Plan Certification**

A copy of the plan certification is presented in Section 4 of this document.

### 3. BASIC FACILITY INFORMATION

Facility Identification and Site Address		
<b>Company Name</b>	GKN Sinter Metals Limited	
<b>Facility Name</b>	GKN Sinter Metals Limited	
<b>Facility Address</b>	Physical Address:	Mailing Address
	7 Michigan Boulevard St. Thomas, ON N5P 1H1	7 Michigan Boulevard St. Thomas, ON N5P 1H1
<b>Spatial Coordinates (UTM)</b>	486820	4736487
<b>Datum</b>	WGS84	
<b>Number of Employees</b>	175	
<b>NPRI ID</b>	01461	
<b>ON MOE ID</b>		
Parent Company Information		
<b>Parent Company Name &amp; Address</b>	GKN Sinter Metals 7 Michigan Boulevard St. Thomas, ON N5P 1H1	
<b>Percent Ownership</b>	100%	
Primary North American Industrial Classification System Code (NAICS)		
<b>2 Digit NAICS Code</b>	31-33 Manufacturing	
<b>4 Digit NAICS Code</b>	3363 - Motor Vehicle Parts Mfg.	
<b>6 Digit NAICS Code</b>	336350 - MV Transmission & Power Train Parts Mfg.	
Company Contact Information		
<b>Facility Public Contact</b>	Patrick Ambrose HSE Specialist	Contact Address
	Patrick.Ambrose@gknsintermetals.com	GKN Sinter Metals 7 Michigan Boulevard St. Thomas, ON N5P 1H1
	Phone: 519-631-4880	
	Fax: 519-631-6552	

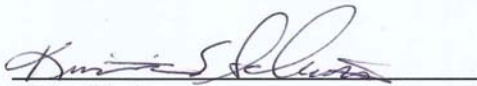
#### 4. COPY OF PLAN CERTIFICATION

##### Certification by the Highest Ranking Employee

As of October 15, 2013, I, Kristina Schmitt, 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.

##### Toxic Substances:

Particulate Matter  $\leq$  10 Microns      Particulate Matter  $\leq$  2.5 Microns



Kristina Schmitt  
General Manager, GKN Sinter Metals Ltd.

##### Certification by Licensed Planner

As of October 15, 2013, I, Tim Logan certify that I am familiar with the processes at GKN Sinter Metals, St. Thomas facility 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 plans dated October 11, 2013 and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

##### Toxic Substances:

Particulate Matter  $\leq$  10 Microns      Particulate Matter  $\leq$  2.5 Microns



Tim Logan (License No. TSRP0003)  
President, O2E Inc. Environmental Consultants

