



# Compliance Promotion Information Package for the Seven *CEPA 1999* Fuels Regulations

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**December 2006**



## **Fuels Information Regulations, No. 1**

**NOTE:** Information contained in this page is for compliance promotional purposes and has no legal status. For requirements under the regulations, refer to the actual regulations.

The *Fuels Information Regulations, No. 1*, require every person who produces or imports **more than 400 cubic metres** (i.e., 400,000 L or 87,988 Imp. gallons) of a liquid fuel such as (but not limited to) aviation turbo fuel, gasoline, kerosene, diesel fuel or fuel oils per year to submit to Environment Canada the following information as outlined in Form 1 and Form 2 described below:

**Form 1:** Report on Sulphur Content of Liquid Fuels. (a form is attached for your convenience).

The Report on Sulphur Content of Liquid Fuels for each quarter of the calendar year is due on or before January 31<sup>st</sup> of each year following the end of the calendar year during which the fuel was produced or imported.

**Form 2:** Report on Fuel Additives (other than lead or lead compounds) in Liquid Fuels. (a form is attached for your convenience)

The Report on Fuel Additives in Petroleum Fuels is due within sixty days of selling more than 400 cubic meters of the fuel within a calendar year. This report only has to be submitted once (i.e., not annually), provided there is no change in the submitted information. Any changes (i.e., information regarding the type, brand, quantity, purpose, or highest, lowest or weighted average concentration) to the report submitted must be reported within 60 days of the change. For the purposes of this report, please note that: (i) the weighted average concentration may be calculated over a calendar year; and (ii) the concentration of the additive in the fuel must be reported, not the concentration of a component of the additive in the fuel.

**Please note the change in address for the submission of Form 2: Report on Fuel Additives**



**REPORT ON SULPHUR CONTENT OF LIQUID FUELS (Form 1)  
FUELS INFORMATION REGULATION No1 (s.4)**

QUARTER: \_\_\_\_\_ YEAR: \_\_\_\_\_

This report should be:

- a) submitted for each quarter of the calendar year on or before January 31<sup>st</sup> of each year following the end of the calendar year during which the fuel was produced or imported;
- b) submitted by every person who during the calendar year has produced or imported over 400 cubic meters of liquid fuels for use in Canada;
- c) for the purpose of informing the Minister of Environment;
- d) mailed to the appropriate regional office (please refer to the "Headquarter & Regional Offices" list at section "Contacts List" of the CD for the appropriate address).

This form is provided for your convenience. Please refer to the *Fuels Information Regulations, No.1* for information on requirements.

**FUELS PRODUCED OR IMPORTED FOR USE OR SALE IN CANADA**

COMPANY							
FACILITY NAME:							
FACILITY ADDRESS:							
	NAME OF LIQUID FUEL	VOLUME (m <sup>3</sup> )		DENSITY (kg/m <sup>3</sup> ) or API	SULPHUR CONTENT (WEIGHT %)		
		PRODUCED	IMPORTED		Highest	Lowest	Weighted Average
1	AVIATION TURBO FUEL 1.1 Jet A 1.2 Jet B						
2	GASOLINE 2.1 Lead Free 2.2 Regular 2.3 Premium						
3	KEROSENE AND STOVE OIL						
4	DIESEL OIL (by type)						
5	NUMBER 2 - LIGHT FUEL OIL						
6	HEAVY FUEL OIL 6.1 NUMBER 4 6.2 NUMBER 5 6.3 NUMBER 6						
7	Synthetic Crude (sold as fuel)						
8	A Fuel other than the fuels named in items 1 to 5						
AUTHORIZED COMPANY OFFICIAL: (PLEASE PRINT)		TITLE:			SIGNATURE		
TELEPHONE NUMBER:		FAX NUMBER:			DATE:		



### REPORT ON FUEL ADDITIVES IN LIQUID FUELS (Form 2) FUELS INFORMATION REGULATION No1 (s.5)

This report should be:

- a) submitted each time a new additive has been introduced into a fuel produced in Canada or imported into Canada. This report should be made within 60 days of selling 400 cubic metres of this fuel within a calendar year;
- b) submitted when the type, brand, quantity, purpose or concentration of the reported additive(s) has been changed. This report should be made within 60 days of the change;
- c) mailed to the headquarter office in Gatineau (please refer to the "Headquarter & Regional Offices" list at section "Contacts List" of the CD for the appropriate address).

**This form is provided for your convenience. Please refer to the *Fuels Information Regulations, No.1* for information on requirements.**

Fuel Manufacturer/Importer: _____	
Address: _____	
Telephone: _____	
Additive Manufacturer: _____	
Address: _____	
Telephone: _____	
1. Type of Fuel: _____	Brand Name of Additive: _____
Quantity of Additive Used Annually (kg): _____	Purpose of Additive: _____
2. Fuel Additive Concentration (mg/L):	
Highest: _____	Lowest: _____
Weighted Annual Average: _____	
3. Composition of Fuel Additive (Complete A, B or C)	
A. NAME OF CONSTITUENT & APPROXIMATE PERCENT BY WEIGHT	
Chemical Name of each Constituent	Approximate Percent by Weight
B. ELEMENTS & APPROXIMATE PERCENT BY WEIGHT	
Element	Approximate Percent by Weight
Carbon	
Hydrogen	
Oxygen	
List all other elements that individually account for more than 0.1 weight % in the fuel additive weight. (Complete on a separate sheet if necessary)	
C. ATTACH COPY OF CONFIRMATION LETTER FROM THE FUEL ADDITIVE MANUFACTURER THAT THE INFORMATION REQUIRED UNDER A OR B HAS BEEN FORWARDED TO ENVIRONMENT CANADA.	



## **Benzene in Gasoline Regulations**

**NOTE:** Information contained in this page is for compliance promotional purposes and has **NO** legal status. For requirements under the regulations, refer to the actual regulations.

These regulations apply to importers, manufacturers and blenders of gasoline. They also apply to anyone that sells gasoline or offers it for sale.

The regulations prohibit the production or import of gasoline with a benzene content exceeding 1.0% by volume. They also restrict the Benzene Emissions Number (BEN), a calculated parameter that relates gasoline composition to predicted emissions of benzene from vehicle tailpipes to a maximum of 71 in the summer and 92 in the winter. Companies may elect to meet annual pooled averages for benzene and BEN, in place of the above limits.

The regulations also prohibit the sale of gasoline with more than 1.5% by volume of benzene.

Various reporting and record-keeping requirements are specified in different sections of the Regulations. For instance:

- Section 6 requires that information on alternative sampling or analysis methods be submitted **60** days prior to use.
- Section 7 specifies that **registration as per Schedule 2** is required with Environment Canada **15 days prior** to commencing operations for new refiners, importers or blenders (a copy of Schedule 2 is attached for your convenience).
- Section 8 requires every primary supplier to submit gasoline composition reports due annually on February 15. A copy of Schedule 3 is attached for your convenience.
- Section 12 specifies additional reporting requirements for importers. A page summarizing the reporting requirements is attached for your convenience.
- Subsection 21(2) requires that a compliance plan be signed by an authorized official of the primary supplier and sent to the Minister by registered mail or courier at least 150 days before the beginning of the first year (i.e. by August 4) for which the primary supplier has elected to meet a requirement on the basis of a yearly pool average. Any changes to the compliance plan require at least 45 days notice to the Minister as per subsection 21(3).
- Subsection 22(3) requires that auditor's reports for those on a yearly pool average be submitted each year by May 31.

Further details on the above are contained in an Environment Canada guidance document entitled "Questions and Answers on the Federal *Benzene in Gasoline Regulations* (May 27, 1998). A copy of this document is on the CD-Rom at section "Environment Canada's report" and you can also refer to following website: [http://www.ec.gc.ca/CEPARRegistry/documents/regs/q\\_a\\_benz/toc.cfm](http://www.ec.gc.ca/CEPARRegistry/documents/regs/q_a_benz/toc.cfm).



**REGISTRATION FORM  
FOR A MANUFACTURER, BLENDER OR IMPORTER OF GASOLINE (Sch.2)  
BENZENE IN GASOLINE REGULATIONS (s.7)**

Please mail to the appropriate regional office (please refer to the "Headquarter & Regional Offices" list at section "Contacts List" of the CD for the appropriate address).

This form is provided for your convenience. Please refer to the *Benzene in Gasoline Regulations* for information on requirements.

1. Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

Type of primary supplier (check one or more):     Manufacturer                       Blender                       Importer

2. Name and location of each refinery and typical annual volume, in m<sup>3</sup>, of each type of gasoline manufactured at each refinery:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Name and location of each blending facility, typical blending material(s) and typical annual volume, in m<sup>3</sup>, of each type of gasoline blended at each facility: (For cargo tankers, railway cars, boats, marine vessels or other mobile blending facilities, indicate only the type and number of mobile facilities and the province of operation.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

4. Each usual point and mode of importation and typical annual volume, in m<sup>3</sup>, of each type of gasoline imported:

\_\_\_\_\_  
\_\_\_\_\_

5. Authorized official: \_\_\_\_\_

Telephone no. (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Title: \_\_\_\_\_

Fax no. (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



## REPORT ON COMPOSITION OF GASOLINE (Sch.3) BENZENE IN GASOLINE REGULATIONS (s.8)

This report should be:

- a) submitted by every primary supplier as defined in the Regulations;
- b) submitted on or before February 15 of each year (annual reporting);
- c) mailed to the appropriate regional office of Environment Canada (please refer to the "Headquarter & Regional Offices" list at section "Contacts List" of the CD for the appropriate address).

**This form is provided for your convenience. Please refer to the *Benzene in Gasoline Regulations* for information on requirements.**

Registration Number	Year
Company name	
Company address	

Type of primary supplier (check one or more) :                     Manufacturer                     Blender                     Importer

Has a yearly pool average been elected for this year?                     Yes                     No  
 If yes, for which parameters?                     Benzene                     Benzene Emissions Number (BEN)  
 If yes, has your compliance plan been updated during the reporting period?                     Yes                     No

Note: Updated compliance plans must be submitted to the Minister pursuant to subsection 21(3) of the *Benzene in Gasoline Regulations*.

Name and location of the refinery, blending facility or points of importation in the province, covered by this report :  
 (Refer to Notes A) and B) on the next page)

Composition of gasoline supplied during this reporting period.

Volume of gasoline supplied, in m <sup>3</sup>	Number of batches supplied	Name of any oxygenates added

Item	Column 1 Parameter	Column 2 Maximum Value	Column 3 Year-to-date volume-weighted average value
1.	Oxygen Concentration (% by weight)		
2.	Sulphur Concentration (mg/kg)		
3.	Vapor pressure at 37.8°C (100°F)(kPa)		
4.	Evaporative fraction at 93.3°C (200°F) (% by volume)		
5.	Evaporative fraction at 148.9°C (300°F) (% by volume)		
6.	Aromatics concentration (% by volume)		
7.	Olefins concentration (% by volume)		
8.	Benzene concentration (% by volume)		
9.	Benzene Emissions Number (Refer to note C)		

Authorized Official (*)	Telephone No. (     )     -
Title	Fax No.        (     )     -
Signature	Date

(\*) Refer to note (F) on next page



## NOTES -- BENZENE IN GASOLINE REGULATIONS

- A. This Report on Composition of Gasoline must be submitted separately for each refinery, blending facility and province of importation, or any combination of them described under section 18 of the *Benzene in Gasoline Regulations*.
- B. For Note A, the name and location for cargo tankers, railway cars, boats, marine vessels or other mobile blending facilities are replaced by the type of mobile facilities, their number and the province of operation, or the name and location of the non-mobile facility with which they are grouped.
- C. The average benzene emissions number is the volume-weighted average of the benzene emissions numbers for each batch; it is not calculated from the average model parameters.
- D. Under subsection 13(2) of the *Benzene in Gasoline Regulations*, for each batch of gasoline-like blendstock dispatched or imported by the primary supplier during the period covered by this Report, the primary supplier must report to the Minister, in an annex to this Report, the name and address of the purchaser or receiver, the date of dispatch or importation and the volume.
- E. Under subsection 2(2) of Schedule 1 to the *Benzene in Gasoline Regulations*, the primary supplier must report to the Minister, in an annex to this Report, each occurrence of a model parameter that is outside the acceptable range, the reason for each occurrence, and the volume of gasoline affected.
- F. Authorized official is a defined term (refer to subsection 1(1) of the *Benzene in Gasoline Regulations*).

### **Additional Requirements for Importers as per Section 12 of the *Benzene in Gasoline Regulations***

**NOTE:** Information contained in this page is for compliance promotional purposes and has no legal status. For requirements under the regulations, refer to the actual regulations.

**Subsection 12(1)** Every importer must notify the Minister, at least 12 hours before the time of importation, of the importer's intention to import:

- a) at any one time more than 100 m<sup>3</sup> of gasoline identified under subsection 9(1) or (2) as complying gasoline, U.S. reformulated gasoline, California gasoline or northern winter complying gasoline; or
- b) at any one time, any amount of gasoline identified under subsection 9(1) as gasoline-like blendstock; or
- c) **into a province and within any one day, more than 1,000 m<sup>3</sup> of gasoline identified under subsection 9(1) or (2) as complying gasoline, U.S. reformulated gasoline, California gasoline or northern winter complying gasoline (amended 2003)**

**Subsection 12(2)** The notice required by subsection (1) must include:

- a) the name and registration number of the importer;
- b) the type of gasoline identified under subsection 9(1), unless it is complying gasoline;
- c) the volume of the gasoline that is scheduled to be imported;
- d) the point of entry of the gasoline into Canada and the estimated date and time\* that it will enter Canada;
- e) the address of the first storage facility or refueling facility to which the gasoline is to be delivered and the estimated date and time of its delivery there; and
- f) the name and telephone number of a representative of the importer through whom sampling arrangements can be made.

\* Provide the best estimated date and time with your notice; revise when more accurate date and time become available.  
(A form containing above noted requirements is attached for your convenience)

**Subsection 12(3)** No importer shall import gasoline by cargo tanker, railway car, boat, marine vessel or aircraft unless the gasoline is accompanied at the point of entry into Canada and at the point of delivery, and everywhere between those points, by a record that shows:

- a) the name, address and registration number of the importer;
- b) the name and address of the person to whom the gasoline is to be sold or ownership transferred;
- c) the address of the first storage facility or refueling facility to which the gasoline is to be delivered;
- d) the volume of the gasoline; and
- e) the type of gasoline identified under subsection 9(1), unless it is complying gasoline.





### 12-HOUR NOTIFICATION OF IMPORTS BENZENE IN GASOLINE REGULATIONS (s.12)

This additional requirement under section 12 of these regulations is addressed to importers intending to import at any one time more than 100 m<sup>3</sup> of gasoline or more than 1000 m<sup>3</sup> into a province in one day. Note no minimum for gasoline-like blendstock.

**This notification should be send via fax at least 12 hours before the time of importation** to the appropriate regional office of Environment Canada (please refer to the "Headquarter & Regional Offices" list at section "Contacts List" of the CD for the appropriate fax number).

**This form is provided for your convenience. Please refer to the *Benzene in Gasoline Regulations* for information on requirements.**

a) Importer Name: \_\_\_\_\_

Importer Registration Number: \_\_\_\_\_

Batch Number (Optional): \_\_\_\_\_

b) Type of gasoline identified under Section 9, check or mark "x" below:

Complying gasoline	[ ]	California gasoline	[ ]
Gasoline-like blendstock	[ ]	Northern winter complying gasoline	[ ]
US reformulated gasoline	[ ]		

c) Scheduled volume of gasoline (m<sup>3</sup>): \_\_\_\_\_

d) Point of entry into Canada: \_\_\_\_\_

Estimated date \_\_\_\_\_ and time of entry \_\_\_\_\_

e) Address of first storage facility or refueling facility to whom gasoline is to be delivered:

\_\_\_\_\_

Estimated date of delivery \_\_\_\_\_ and time of delivery \_\_\_\_\_

f) Importer's representative through whom sampling may be arranged:

Name (Print): \_\_\_\_\_, Telephone: \_\_\_\_\_

-----  
**Following To Be Completed by Environment Canada (PLEASE PRINT):**

Environment Canada Official receiving or reviewing information:

Name: \_\_\_\_\_ Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Telephone: (\_\_\_\_\_) \_\_\_\_\_ -- \_\_\_\_\_



## **Gasoline Regulations**

**NOTE: Information contained in this page is for compliance promotional purposes and has no legal status. For requirements under the regulations, refer to the actual regulations.**

**NOTE: The current exemption for gasoline used in competition vehicles expires January 1, 2008.**

These Regulations specify the allowable lead and phosphorus content in leaded and unleaded gasoline that is produced, imported, sold or offered for sale in Canada. Gasoline for use in aircraft is exempted. The regulations do not apply to gasoline for use in competition vehicles, as defined by the regulations, except for the record and reporting requirements of section 11.

### **Leaded Gasoline reporting**

Producers and importers of leaded gasoline for use or sale in Canada must submit quarterly reports to the Minister of the Environment detailing quantities produced and imported, as well as lead concentrations. These reports must be submitted within 15 days after the last day of each calendar quarter in which the activity occurred. Records of the sales of this gasoline must be retained in Canada for a period of two years after the date the record is made. Note that this requirement does not pertain to leaded gasoline for use in competition vehicles.

### **Leaded Gasoline used in Competition Vehicles reporting**

For leaded gasoline used in competition vehicles, annual detailed reports indicating, among other things, quantities imported, produced and distributed, as well as the lead concentrations, must be submitted to the Minister of the Environment by March 31 of the year following the year in which the activity occurred. Records detailing these activities must be kept in Canada for a period of five years after the date the record is made. Example templates in paper form for company identification and record keeping (for leaded gasoline import, production, sales, re-sales and distribution information) are attached for your convenience. Electronic versions of the templates (in Excel) are also available.



**Leaded Gasoline For Competition Vehicles**  
**Annual Reporting for Gasoline Regulations**  
**Canadian Environmental Protection Act, 1999**

**Company Identification and Declaration**

**Company Information**

Company Name: \_\_\_\_\_

\_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Prov.: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Ph: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Fax: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

**Contact Information**

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Prov.: \_\_\_\_\_

Postal Code: \_\_\_\_\_

Ph: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Fax: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

(to be completed if contact address differs from company address)

Calendar year: **2006**

**Non Involvement**

In the above indicated calendar year, I did not produce, import, distribute, re-sell, sell or offer for sale leaded gasoline for use in competition vehicles. In this case, please complete this form and return it to the address listed below.

**Involvement**

In the above indicated calendar year, I produced, imported, distributed, re-sold, sold or offered for sale leaded gasoline for use in competition vehicles. The reports for these activities are attached.

**Confidential**

Pursuant to subsection 313(1) of the *Canadian Environmental Protection Act, 1999*, I request that the following information for the above calendar year be treated as confidential (please specify your reasons).

**Not Confidential**

I do not request the following information be treated as confidential and I consent to it being released without restriction.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name (please print)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Place and date

**Please complete this form, including your records, and send it to the appropriate regional office (please refer to the "Headquarter & Regional Offices" list at section "Contacts List" of the CD for the appropriate address).**



**Leaded Gasoline For Competition Vehicles**  
**Record Keeping for *Gasoline Regulations***  
***Canadian Environmental Protection Act, 1999***

**Leaded Gasoline Import/Production Information**

Date	Brand Name	Octane Rating/ Analysis Method <sup>1</sup>	Average Lead Concentration (mg/L)	Quantity Imported (Litres)	Quantity Produced (Litres)

1. Please indicate for Octane Rating and Analysis Method: R - Research Octane Number; M - Motor Octane Number; or, A - Anti-Knock Index



**Leaded Gasoline For Competition Vehicles**  
**Record Keeping for *Gasoline Regulations***  
*Canadian Environmental Protection Act, 1999*

**Leaded Gasoline Sales, Re-Sales and Distribution Information**

Date	Activity <sup>1</sup>	Brand Name	Octane Rating/ Analysis Method <sup>2</sup>	Average Lead Concentration (mg/L)	Name and Address of Re-Seller or Track/Event (if applicable)	Quantity (Litres)

1. Please indicate for Activity: Sales to Resellers/Distributors (SRD); Sales to Tracks/Events (STE); or, Sales to Individual Users (SIU) [other than at tracks/events]

2. Please indicate for Octane Rating and Analysis Method: R - Research Octane Number; M - Motor Octane Number; or, A - Anti-Knock Index



## Sulphur in Diesel Fuel Regulations

**NOTE: Information contained in this page is for compliance promotional purposes and has no legal status. For requirements under the regulations, refer to the actual regulations.**

Amendments to the *Sulphur in Diesel Fuel Regulation* in 2005 included the following changes from the parent regulations:

- Addition of sulphur limits and reporting requirements for off-road, locomotive and vessel diesel fuel;
- Addition of a definition for biodiesel;
- Modification to the definition of diesel fuel to include biodiesel and blends of biodiesel fuel and diesel fuel;
- A change in reporting frequency (from quarterly to annual) after 2014;
- Adjustments to Schedules 1 and 2 on information to be reported to reflect both the addition of biodiesel and the differing diesel fuel sulphur limits.

Amendments to the *Sulphur in Diesel Fuel Regulation* in 2006 included the following changes from the parent regulations:

- Allowance for a slightly higher sulphur limit of 22 mg/kg for sales of on-road diesel fuel during a period of 45 days, from September 1, 2006 to October 15, 2006, after which the final sales limit of 15 mg/kg takes effect.

The goal of the *Sulphur in Diesel Fuel Regulations* is to ensure that the level of sulphur in diesel fuel used in on and off-road, rail and marine vehicles and engines in Canada will not impede the effective operation of advanced emission control technologies planned to be introduced on 2007 and later model year vehicles to comply with stringent new exhaust emissions standards.

The Regulations came into force January 1, 2003 . The production, import and sales limits for diesel fuel are summarized in the table below.

Sulphur Limit (mg/kg)	Activities	On-Road Diesel Fuel	Off-Road Diesel Fuel	Rail and Marine Diesel Fuel
500	Production and Import	Since 1998	June 1, 2007	June 1, 2007
	Sales	Since 1998	October 1, 2007 <sup>2</sup>	October 1, 2007 <sup>2</sup>
22	Sales	September 1, 2006	N/A	N/A
15	Production and Import	June 1, 2006	June 1, 2010	June 1, 2012
	Sales	October 15, 2006 <sup>1</sup>	October 1, 2010 <sup>3</sup>	N/A

<sup>1</sup> September 1, 2007 in the Northern Supply Area

<sup>2</sup> December 1, 2008 in the Northern Supply Area

<sup>3</sup> December 1, 2011 in the Northern Supply Area

- The Northern Supply Area is defined in the Regulations and includes Nunavut; Yukon north of the arctic circle; Northwest Territories excluding major highways; areas of Manitoba, Ontario and Quebec along the coast of Hudson Bay and James Bay; Quebec mostly north of latitude 51°N and Labrador.
- Further details on the above are contained in an Environment Canada guidance document entitled “Questions and Answers on the Federal *Sulphur in Diesel Fuel Regulations*”. A copy of this document is on the CD-Rom at section “Environment Canada’s report” and you can also refer to following website:

[http://www.ec.gc.ca/ceparegistry/documents/regulations/ga\\_guid/questions.cfm](http://www.ec.gc.ca/ceparegistry/documents/regulations/ga_guid/questions.cfm)

**Schedule 1 (regular reporting form), and Schedule 2 (one time registration form) are provided for your convenience.**



**IMPORTANT DATES IN THE SULPHUR IN DIESEL FUEL REGULATIONS**

<b>June 1, 2007</b>	500 mg/kg limit for concentration of sulphur in diesel fuel for use in off-road, rail and marine diesel engines comes into effect for <u>production and imports</u> .
<b>September 1, 2007</b>	15 mg/kg limit for concentration of sulphur in diesel fuel for use in on-road vehicles comes into effect for <u>sales and offers to sell</u> of diesel fuel in the northern supply area.
<b>October 1, 2007</b>	500 mg/kg limit for concentration of sulphur in diesel fuel for use in off-road, rail and marine diesel engines comes into effect for <u>sales and offers to sell</u> (except in northern supply area).
<b>December 1, 2008</b>	500 mg/kg limit for concentration of sulphur in diesel fuel for use in off-road, rail and marine diesel engines comes into effect for <u>sales and offers to sell</u> in the northern supply area.
<b>June 1, 2010</b>	15 mg/kg limit for concentration of sulphur in diesel fuel for use in off-road engines comes into effect for <u>production and imports</u> .
<b>October 1, 2010</b>	15 mg/kg limit for concentration of sulphur in diesel fuel for use in off-road engines comes into effect for <u>sales and offers to sell</u> (except in northern supply area).
<b>December 1, 2011</b>	15 mg/kg limit for concentration of sulphur in diesel fuel for use in off-road engines comes into effect for <u>sales and offers to sell</u> in the northern supply area.
<b>June 1, 2012</b>	15 mg/kg limit for concentration of sulphur in diesel fuel for use in rail and marine diesel engines comes into effect for <u>production and imports</u> .



SCHEDULE 1  
(Subsection 5(1))

QUARTERLY REPORT OF SULPHUR CONCENTRATION IN DIESEL FUEL

1. Calendar quarter: \_\_\_\_\_

2. Year: \_\_\_\_\_

3. Name of producer or importer:

\_\_\_\_\_

4. Name of the facility in Canada producing diesel fuel or the province of import:

\_\_\_\_\_

5. Street address (and mailing address if different) of the facility in Canada producing diesel fuel or of the importer's place of business in Canada

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Volume of diesel fuel, in m<sup>3</sup>, and sulphur concentration, in mg/kg:

\_\_\_\_\_

Diesel Fuel Excluding Biodiesel  
Fuel and Blends of Biodiesel Fuel  
and Diesel Fuel

Biodiesel Fuel

Blends of Biodiesel Fuel and  
Diesel Fuel

(a) Diesel fuel with a concentration of sulphur that was less than or equal to 15mg/kg

(i) Volume of diesel fuel

(ii) Highest sulphur concentration

(iii) Lowest sulphur concentration

(iv) Volume-weighted average sulphur  
concentration

(v) Method used (for reporting  
purposes) to measure sulphur  
concentration

(b) Diesel fuel with a concentration of sulphur that exceeded 15mg/kg and was less than or equal to 500 mg/kg

(i) Volume of diesel fuel

(ii) Highest sulphur concentration





Diesel Fuel Excluding Biodiesel  
Fuel and Blends of Biodiesel Fuel  
and Diesel Fuel

Biodiesel Fuel

Blends of Biodiesel Fuel and  
Diesel Fuel

(iii) Lowest sulphur concentration

(iv) Volume-weighted average sulphur  
concentration

(v) Method used (for reporting  
purposes) to measure sulphur  
concentration

(c) Diesel fuel with a concentration of sulphur that exceeded 500 mg/kg

(i) Volume of diesel fuel

(ii) Highest sulphur concentration

(iii) Lowest sulphur concentration

(iv) Volume-weighted average sulphur  
concentration

(v) Method used (for reporting  
purposes) to measure sulphur  
concentration

7. Authorized official

Name \_\_\_\_\_

Title \_\_\_\_\_

Signature and date \_\_\_\_\_

Telephone number: (\_\_\_\_) \_\_\_\_\_

Fax number: (\_\_\_\_) \_\_\_\_\_



## SCHEDULE 2

(Subsection 5(4))

### REPORT BY PRODUCERS AND IMPORTERS OF DIESEL FUEL

1. Name of producer or importer \_\_\_\_\_

2. Mailing address of producer or importer \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

3. Registration number(s), if any were provided by the Minister under section 7 of the *Benzene in Gasoline Regulations*

\_\_\_\_\_

4. Indicate if one or more of the following apply:

(a) Producer in Canada of diesel fuel, excluding biodiesel fuel and blends of biodiesel fuel and diesel fuel, for

use in on-road vehicles

use in off-road engines

use in vessel engines

use in locomotive engines

any other use (specify) \_\_\_\_\_

(b) Importer of diesel fuel, excluding biodiesel fuel and blends of biodiesel fuel and diesel fuel, for

use in on-road vehicles

use in off-road engines

use in vessel engines

use in locomotive engines

any other use (specify) \_\_\_\_\_

(c) Producer in Canada of biodiesel fuel for

use in on-road vehicles

use in off-road engines

use in vessel engines

use in locomotive engines

any other use (specify) \_\_\_\_\_



(d) Importer of biodiesel fuel for

use in on-road vehicles

use in off-road engines

use in vessel engines

use in locomotive engines

any other use (specify) \_\_\_\_\_

(e) Importer of a blend of biodiesel fuel and diesel fuel for

use in on-road vehicles

use in off-road engines

use in vessel engines

use in locomotive engines

any other use (specify) \_\_\_\_\_

**5. For each facility producing diesel fuel in Canada**

(a) Name and street address (and mailing address if different) of the facility:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(b) Typical annual volume, in m<sup>3</sup>, of diesel fuel produced for:

	Diesel Fuel Excluding Biodiesel Fuel and Blends of Biodiesel Fuel and Diesel Fuel	Biodiesel Fuel
(i) use in on-road vehicles		
(ii) use in off-road vehicles		
(iii) use in vessel engines		
(iv) use in locomotive engines		
(v) any other use (specify)		

**6. For importers**

(a) Street address (and mailing address if different) for place of business in Canada where records and reports will be kept

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



(b) Each usual port of entry in Canada and usual mode of importation (e.g., ship, rail, truck, pipeline, etc.)

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(c) For each usual port of entry in Canada, typical annual volume, in m<sup>3</sup>, of diesel fuel imported for

	Diesel Fuel Excluding Biodiesel Fuel and Blends of Biodiesel Fuel and Diesel Fuel	Biodiesel Fuel	Blends of Biodiesel Fuel and Diesel Fuel
(i) use in on-road vehicles			
(ii) use in off-road vehicles			
(iii) use in vessel engines			
(iv) use in locomotive engines			
(v) any other use (specify)			

7. Authorized official

Name \_\_\_\_\_

Title \_\_\_\_\_

Signature and date \_\_\_\_\_

Telephone number: (\_\_\_\_) \_\_\_\_\_

Fax number: (\_\_\_\_) \_\_\_\_\_



## **Sulphur in Gasoline Regulations**

**NOTE:** Information contained in this page is for compliance promotional purposes and has no legal status. For requirements under the regulations, refer to the actual regulations.

The *Sulphur in Gasoline Regulations* restrict the sulphur content in gasoline produced in or imported into Canada for the purposes of Section 139 of the Act. Primary suppliers have the option of either meeting the limit on a "flat" basis or on a "pool average" basis with a never-to-be-exceeded cap. Each option has different limits.

For primary suppliers choosing a "flat" limit: 40 mg/kg

For primary suppliers who have selected a "pool average":

Primary suppliers electing to meet the limit on the basis of a pool average must notify the Minister at least 60 days before the start of the first year in respect of which the calculation will be made (by November 2 for subsequent years). Election of pool average, cannot be changed part way through an averaging period.

"Pool averages": 30 mg/kg

Associated never-to-be-exceeded limits for those selecting "pool average": 80 mg/kg

Further details on the above are contained in an Environment Canada guidance document entitled "Questions and Answers on the Federal *Sulphur in Gasoline Regulations*". A copy of this document is on the CD-Rom at section "Environment Canada's report" and you can also refer to following website:

[http://www.ec.gc.ca/CEPARRegistry/documents/regs/q\\_a\\_sul/toc.cfm](http://www.ec.gc.ca/CEPARRegistry/documents/regs/q_a_sul/toc.cfm)



## ANNUAL REPORT ON VOLUMES AND SULPHUR LEVEL SULPHUR IN GASOLINE REGULATIONS (s.4 & 6(2))

This report should be:

- a) submitted by each primary supplier that produces or imports gasoline identified as low-sulphur gasoline, California gasoline or gasoline-like blend stock as identified under section 5 of the Regulations;
- b) submitted for each refinery and blending facility at which the primary supplier produced the gasoline, for each province into which it imported the gasoline and for each combination which it elected under section 9 of the Regulations;
- c) submitted annually, on or before February 15 of the year following the year for which the report is prepared;
- d) mailed to the appropriate regional office (please refer to the "Headquarter & Regional Offices" list at section "Contacts List" of the CD for the appropriate address).

**This form is provided for your convenience. Please refer to the *Sulphur in Gasoline Regulations* for information on requirements.**

Registration Number under the <i>Benzene in Gasoline Regulations</i>	Year
Company name	
Company address	

Type of primary supplier (check one or more):  Producer at a refinery                       Producer at a blending facility                       Importer

Which method has been elected to meet the Sulphur limit?       Pool Average       Flat

Name and location of the refinery, blending facility or points of importation in the province, covered by this report:

TYPE OF GASOLINE	ANNUAL VOLUME		FLAT LIMIT	POOL AVERAGE	
	Produced (m <sup>3</sup> )	Imported (m <sup>3</sup> )	Maximum S Concentration in Gasoline (mg/kg)	Maximum S Concentration in Gasoline (mg/kg)	Volume Weighted average (mg/kg)
<b>1. Low Sulphur Gasoline</b>					
<b>2. California Gasoline</b>				NOT REQ'D	NOT REQ'D
<b>3. Gasoline-Like Blendstock</b>			NOT REQ'D	NOT REQ'D	NOT REQ'D

<b>Authorized Official</b>	<b>Telephone No.</b> (    )    -
<b>Title</b>	<b>Fax No.</b> (    )    -
<b>Signature</b>	<b>Date</b>
<b>Contact Name</b>	<b>Contact Telephone No.</b> (    )    -



## **Gasoline and Gasoline Blend Dispensing Flow Rate Regulations**

**NOTE: Information contained in this page is for compliance promotional purposes and has no legal status. For requirements under the regulations, refer to the actual regulations.**

The *Gasoline and Gasoline Blend Dispensing Flow Rate Regulations* prohibit retailers and wholesale purchaser-consumers of benzene-containing gasoline and gasoline blends from using, or offering for use, any nozzle to dispense those fuels into on-road vehicles if the flow rate from the nozzle exceeds 38 Litres per minute. Wholesale purchaser-consumers are primarily vehicle fleet operators with central refuelling facilities. The Regulations allow the flow rate to be controlled by any means in the pump/dispenser system, thereby giving parties the flexibility of limiting fuel dispensing flow rates in the manner that is best-suited for their facilities. The flow rate limit does not apply to any fuel dispensing nozzle that is dedicated exclusively to refuelling heavy-duty vehicles.

The method for determining the fuel dispensing flow rate is prescribed in Section 4 of the Regulations. There are no information reporting requirements under the Regulations. The Regulations came into effect on February 1, 2001.



## **Contaminated Fuel Regulations**

**NOTE: Information contained in this page is for compliance promotional purposes and has no legal status. For requirements under the regulations, refer to the actual regulations.**

The *Contaminated Fuel Regulations* ensure the continuous protection of Canadian citizens and the environment from the potential exposure to dangerous goods (fuels containing toxic substances that are dangerous goods within the meaning of Section 2 of the TDGA).

Regulatory and record keeping requirements are specified in the Regulations.

- Section 3 prohibits the import into and the export out of Canada of contaminated fuel.
- Section 4 allows exemption for import in accordance with applicable federal or provincial law for destruction, disposal or recycling and exemption for export if the receiving country authorizes or permits.
- Section 5 requires records for each shipment:
  1. Importers to maintain records ( e.g. type, quantity etc. as outlined in section 5(1)(a) to (k)
  2. Exporters to maintain documents that provide proof that the importation is authorized by the receiving country
  3. Importers/exporters to maintain records for 5 years
- Section 6 requires an importer or exporter of contaminated fuel to produce, on request of an inspector, the information referred to in Section 5.





## ADDRESSES OF ENVIRONMENT CANADA'S REGIONAL OFFICES

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### Quebec

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### Ontario

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### Manitoba, Saskatchewan, Alberta, NWT and Nunavut

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