



GOVERNMENT OF
NEWFOUNDLAND AND LABRADOR

Department of Environment and Conservation
Pollution Prevention Division

GUIDANCE DOCUMENT

Title: Registration of Tank Trucks and Tank Truck Trailers
Being Used as Aboveground Tanks for the
Storage of Gasoline or Associated Products

Prepared By: 
John J. Dutton, Manager
Petroleum Storage & Management Section

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Approved By: 
Derrick K. Maddocks, Director

**REGISTRATION OF TANK TRUCKS
AND TANK TRUCK TRAILERS
STORING HYDROCARBONS
GD-PPD-042**

1.0 SUBJECT:

The implementation of Subsection 13.(1) of the Storage and Handling of Gasoline and Associated Products Regulations, 2003, as it pertains to tank trucks and tank truck trailers being used as aboveground tanks for the storage of gasoline or associated products.

2.0 OBJECTIVE:

To set out a procedure for the Department of Environment and Conservation to follow when a person owns or operates, or proposes to install and operate, on a temporary basis only, a tank truck or tank truck trailer in a stationary location for the purpose of storing and delivering gasoline or associated products to associated combustion equipment or to other delivery trucks.

The owner or operator of such temporary storage facilities, under Subsection 13.(1) of the Storage and Handling of Gasoline and Associated Products Regulations, 2003, is required to register such systems.

3.0 BACKGROUND:

Situations have arisen over the years where a tank truck or tank truck trailer has been parked for various amounts of time with gasoline or associated products in the vehicle's product delivery tank. It has often been difficult to deal with such situations or to know if the situation needed to be dealt with under the regulations because there was no defined amount of time which would help clarify the "stationary" aspect.

4.0 LEGISLATION:

The Storage and Handling of Gasoline and Associated Products Regulations, 2003, definitions 2.(b) and 2.(dd) and Subsection 13(1):

2.(b) "aboveground tank" means a tank which is located at or above grade, includes both horizontal and vertical tanks and tank truck and tank truck trailers that are being used as a stationary source of fuel storage;

2.(dd) "storage tank system" means either an atmospheric or low pressure closed tank container and all vents, fill and withdrawal piping associated with it installed in a fixed location and includes temporary arrangement on cradles or skids;

13.(1) A person shall not construct, install, alter or operate a storage tank system unless that construction, installation, alteration or operation is registered under these regulations.

5.0 GENERAL:

Under Subsection 13.(1) of the Storage and Handling of Gasoline and Associated Products Regulations, 2003, a "storage tank system" must be registered. A "storage tank system" generally includes a "tank" which can specifically include an "aboveground storage tank". An "aboveground storage tank" can include "tank truck and tank truck trailers that are being used as a stationary source of fuel storage".

There are several questions which need to be considered. The first one is how long should a tanker truck or tank truck trailer be parked, and be in use for storage and delivery of fuel as a stationary source, for it to be considered as requiring "registration"? The second issue would then become how should such a temporary installation be handled under the regulations? As it is not a "usual" storage tank there would need to be one or more variances. Dipping and reconciling of the fuel would be awkward at best and may prove impossible to do in any accurate manner. The tank truck or tank truck trailer may not be perfectly level. There may not be anything such as a dip chart for the tank truck or tank truck trailer. Consumption of fuel from such a storage arrangement would not likely be metered in a sufficiently accurate manner as to prove useful in conducting reconciliations. And what about a dyke?

Section 6.0, Procedural Outline, should be used to guide officials in their review of situations where it appears that a tank truck or tank truck trailer is being used as a stationary source of fuel storage. A registration, if deemed necessary, should be processed as normal.

6.0 PROCEDURAL OUTLINE:

The challenge is to provide a workable description to determine which such "tank truck or tank truck trailer" arrangements "being used as a stationary source of fuel storage" should be registered. How should such situations be considered?

A tank truck or tank truck trailer that is stopped to make a delivery or deliveries of some minimal duration should not be considered as a "stationary tank requiring registration". But a set time frame, and/or some other associated characteristic, is needed which will help define when and where such an arrangement would require registration and adjusted operating requirements.

With respect to a "time frame" consideration there would be a maximum time of 14 calendar days for a "tank truck or tank truck trailer" arrangement to be "used as a stationary source of fuel storage" which would be "registration free". A minimum downtime (meaning the tank truck or tank truck trailer is either completely empty and disconnected or is physically moved off site) of 14 calendar days between such periods at the same location would be required before a "tank truck or tank truck trailer" arrangement "being used as a stationary source of fuel storage" could be used at the same location again and be considered "registration free". Use of such

a system beyond two 14 calendar day periods in any 12 month period at the same location would require the arrangement to be registered.

Another "operating" characteristic which would trigger a registration requirement would be "fill-ups". If a tank truck or tank truck trailer goes to a particular location with a load of fuel and some, or all, of that fuel load is used at the site but no more than that, then that arrangement would be "registration free", subject to the "time frame" consideration. If it is known or anticipated that one or more "fill-ups" of the tank truck or tank truck trailer will be necessary then the arrangement will have to be registered. If one or more "fill-ups" are not expected or anticipated but occur, then a registration requirement will be triggered immediately upon a "fill-up" occurring or when it is known that such a "fill-up" will be necessary.

Given the presumed nature of how such an arrangement would be used, the "tank" and "product delivery (and return, if present) lines" must be inspected every day for signs of problems. As for a dyke, one must be provided and maintained in an appropriate manner. It could be constructed in a permanent or semi-permanent way. There are also temporary dykes that can be obtained for use around such arrangements which could prove to be both environmentally safe and economically feasible. Environmental safety would be paramount. A dyke shall also be inspected every day. A log book recording all inspections and maintenance activities shall be maintained on a daily basis, shall be kept for a minimum of two years and shall be provided to a government inspector, for review, upon request.

Where registration is required, a variance under Section 7 will also be necessary since such an arrangement would not meet the usual requirements of Section 27. If the usual requirements of Subsection 18.(2) can be followed then they shall be. However, since this is likely to prove difficult to accomplish, a variance under Section 19 may be issued given that the daily inspections and logging of such is already required.

Where such an arrangement is being used as a bulk plant to deliver product to other delivery trucks all other requirements for bulk plants must be met. Particular attention is drawn to the requirements of Subsection 27.(9) *"The area immediately surrounding loading or unloading facilities at bulk plants shall be designed to drain to an oil separator or a storage tank and shall be on concrete flooring and the collecting device shall be of a size sufficient to contain a spill during loading or unloading."*

Once such an arrangement has been registered it can, thereafter, be treated as a "mobile tank" system and be addressed through the use of "tank relocation forms" but this should only be done where, at other locations, such an arrangement would require "registration" in accordance with this document.