Application for a Permit to Construct or Alter a Petroleum Storage Tank System

PSF_APP_001_01_2016

Storage and Handling of Petroleum Products and Allied Products Regulation, M.R. 188/2001

Manitoba
Conservation and Climate
Environmental Compliance and Enforcement
1007 Century St
Winnipeg, MB R3H 0W4
Fax: 204-948-2338
Email: petstor@gov.mb.ca

Instructions: In accordance with Part 4 of the Storage and Handling of Petroleum Products and Allied Products Regulation, submit completed application and all associated documents, listed in Part G, to the Petroleum Storage Program, c/o Environmental Compliance and Enforcement. Incomplete applications will be returned to the applicant unprocessed.

Select all that Apply:

☐ **Construction Permit** ☐ **Alteration Permit**

☐ **Aboveground** ☐ **Underground**

Part A: Licensed Petroleum Technician (LPT) Information

Name: _____ **LPT number:** _____

Employer of LPT: _____
(Corporation or individual's name)

Mailing address: _____

City: _____ **Province:** _____ **Postal code:** _____
(Town or village)

Telephone: _____ **Fax:** _____

Email: _____

Part B: Storage Tank System Owner Information

Legal name: _____
(Corporation or individual's name)

Mailing address: _____

City: _____ **Province:** _____ **Postal code:** _____
(Town or village)

Contact person: _____ **Title:** _____

Telephone: _____ **Fax:** _____

Email: _____

Part C: Storage Tank System Information

Operation name: _____

Permit number: _____ **Permit expiry:** _____
(If applicable) *(If applicable)*

Operator: _____
(Corporation or individual's name)

Tank location (required)**:** _____
Legal land description [ex.: civic address; section-township-range; River Lot/ parish.]

GPS (optional)**:** _____

Mailing address: _____

City: _____ **Province:** _____ **Postal code:** _____
(Town or village)

Contact person: _____ **Title:** _____

Telephone: _____ **Fax:** _____

Email: _____

Part D: Facility Type Information

Facility Type	Total System Capacity	Miscellaneous Storage
☐ bulk storage	☐ 0 – 50,000 litres	☐ heating/generator fuel
☐ gas bar	☐ >50,000 – 100,000 litres	☐ allied petroleum products
☐ card lock	☐ >100,000 – 500,000 litres	☐ engine oil
☐ fleet vehicles	☐ >500,000 – 1,000,000 litres	☐ petroleum
☐ aviation	☐ >1,000,000 litres	☐ other petroleum oils (new or used)
☐ marina		
☐ job site storage		

Part E: Site Sensitivity

Distance to nearest groundwater well: _____
(In metres)

Depth to groundwater table: _____
(In metres)

Distance to nearest surface water body: _____
(In metres)

Distance to nearest subsurface structure: _____
(In metres)

Part E: Site Sensitivity, continued

Neighbouring Land Use	Underground Native Soil Conditions
☐ agricultural	☐ sand/gravel
☐ residential/parkland	☐ clay
☐ commercial	☐ till *(mix of sand, gravel and clay)*
☐ industrial	☐ bedrock

Part F: Tank Removal Activity

Will existing tanks be removed at the time of construction / alteration?

☐ **Yes** ☐ **No**

If NO, please move on to Part G of the application.
If YES, please complete the rest of this section.

Are you the contracted LPT to remove the tanks? _____

Removal Permit number: _____

Removal Permit issue date: _____

Part G(a) and G(b): Underground or Aboveground Storage Tank System Information

Instructions: Complete either Part F(a) (underground storage tanks) or F(b) (aboveground storage tanks).

Should more than five (5) tanks be involved with the project, copy the applicable section and add to the Construction or Alteration Permit Application.

If used tanks are being installed, the location and operation name of the previous owner must be provided on a separate piece of paper. Copies of the test results, as required in Section 3.7 of the Code of Practice must be submitted with work completion certificate at completion of construction.

Part F(a) and F(b) must be completed in full. Incomplete applications will be returned, unprocessed, to the applicant.

Any measurements or volumes must be noted in metric (ex: litres and metres).

Part G(a): Underground Storage Tank System Information

Storage Tank Information					
Tank ID No. (as per attached site plan)					
Status (1) existing (2) new	☐ 1 ☐ 2	☐ 1 ☐ 2	☐ 1 ☐ 2	☐ 1 ☐ 2	☐ 1 ☐ 2
Nominal Tank Capacity (*in litres*)					
Tank Manufacturer					
Year Tank Was Manufactured					
Serial No.					
Year of Installation (existing tanks)					
Contents (1) gasoline (2) diesel (3) aviation fuel (4) alcohol blends (5) heating/furnace oil (6) used oil (7) lube oil (8) allied petroleum products name:________________________ (9) other: ________________________	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9
Tank Construction (1) ULC 603 – Steel Single/Double Wall (*circle one*) (2) ULC 603.1 – Steel Single/Double Wall (*circle one*) (3) ULC 615 – FRP Single/Double Wall (*circle one*) (4) Other:________________________	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4
Internal Protection	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N
ExternalCorrosion Protection (1) none (*including paint*) (2) sacrificial anode cathodic protection (3) impressed current cathodic protection (4) external coating	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4
Piping Information					
Piping (1) single wall (2) double wall	☐ 1 ☐ 2	☐ 1 ☐ 2	☐ 1 ☐ 2	☐ 1 ☐ 2	☐ 1 ☐ 2
Piping Material (1) bare or painted steel (2) galvanized steel (3) plastic covered steel (4) cathodic protection (5) fibreglass reinforced plastic (6) flexible plastic (7) other: ________________________	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7

Part G(a): Underground Storage Tank System Information (continued)

Pump Information					
Pumping System					
(1) Suction – with vertical in-line check valve at product dispenser	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) Suction – with vertical in-line check valve at tank	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
(3) Submersible, with leak detection	☐ 3	☐ 3	☐ 3	☐ 3	☐ 3
(4) Submersible, without leak detection	☐ 4	☐ 4	☐ 4	☐ 4	☐ 4
Leak Detection and Spill Prevention Information					
Leak Detection					
(1) groundwater monitoring well(s)	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) tank bed monitoring well(s)	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
(3) continuous vapour detection	☐ 3	☐ 3	☐ 3	☐ 3	☐ 3
(4) automatic tank gauging	☐ 4	☐ 4	☐ 4	☐ 4	☐ 4
(5) interstitial monitoring	☐ 5	☐ 5	☐ 5	☐ 5	☐ 5
(6) electronic leak detection manufacturer: _____	☐ 6	☐ 6	☐ 6	☐ 6	☐ 6
(7) high technology secondary containment monitoring	☐ 7	☐ 7	☐ 7	☐ 7	☐ 7
Suction Pipe	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N
Spill Prevention					
(1) spill containment device at fill pipe	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) overfill protection device	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
(3) dispenser sumps	☐ 3	☐ 3	☐ 3	☐ 3	☐ 3
(4) audible/visible alarm system	☐ 4	☐ 4	☐ 4	☐ 4	☐ 4
Corrosion Monitoring Terminals	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N
Site History and Information					
Inter-connected Tanks	☐ Y ☐ N				
	If yes, indicate: Tank # to Tank # | Tank # to Tank # Tank # to Tank # | Tank # to Tank #				
Previous Spills or Leaks	☐ Y ☐ N				
	If yes, indicate: Tank #(s): Date: Volume lost *(litres)*:				
Tanks to be Used Seasonally	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N

Part G(b): Aboveground Storage Tank System Information

Storage Tank Information					
Tank ID No. (as per attached site plan)					
Status					
(1) existing	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) new	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
(3) used*	☐ 3	☐ 3	☐ 3	☐ 3	☐ 3
Nominal Tank Capacity (*in litres*)					
Tank Manufacturer					
Serial No.					
Year of Installation (existing tanks)					
Contents					
(1) gasoline	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) diesel	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
(3) aviation fuel	☐ 3	☐ 3	☐ 3	☐ 3	☐ 3
(4) alcohol blends	☐ 4	☐ 4	☐ 4	☐ 4	☐ 4
(5) heating/furnace oil	☐ 5	☐ 5	☐ 5	☐ 5	☐ 5
(6) used oil	☐ 6	☐ 6	☐ 6	☐ 6	☐ 6
(7) lube oil	☐ 7	☐ 7	☐ 7	☐ 7	☐ 7
(8) allied petroleum products name:_____	☐ 8	☐ 8	☐ 8	☐ 8	☐ 8
(9) other:_____	☐ 9	☐ 9	☐ 9	☐ 9	☐ 9
Tank Construction					
(1) ULC 601 – Steel Single/Double Wall (*circle one*)	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) ULC 630 – Steel Single/Double Wall (*circle one*)	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
(3) ULC 643 – Steel Single/Double Wall (*circle one*)	☐ 3	☐ 3	☐ 3	☐ 3	☐ 3
(4) ULC 653 – Steel	☐ 4	☐ 4	☐ 4	☐ 4	☐ 4
(5) API 650 – Steel	☐ 5	☐ 5	☐ 5	☐ 5	☐ 5
(6) other:_____	☐ 6	☐ 6	☐ 6	☐ 6	☐ 6
Internal Protection	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N
Piping Information					
Piping					
(1) single wall	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) double wall	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
Piping Material					
(1) bare or painted steel	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) galvanized steel	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
(3) plastic covered steel	☐ 3	☐ 3	☐ 3	☐ 3	☐ 3
(4) cathodic protection	☐ 4	☐ 4	☐ 4	☐ 4	☐ 4
(5) fibreglass reinforced plastic	☐ 5	☐ 5	☐ 5	☐ 5	☐ 5
Piping Location					
(1) above grade	☐ 1	☐ 1	☐ 1	☐ 1	☐ 1
(2) below grade	☐ 2	☐ 2	☐ 2	☐ 2	☐ 2
(3) above and below grade	☐ 3	☐ 3	☐ 3	☐ 3	☐ 3
If (3), is there a transition sump	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N	☐ Y ☐ N
(4) Top mounted pump – no piping	☐ 1	☐ 2	☐ 3	☐ 4	☐ 5

* Used tanks must be tested in accordance with Section 3.7 of the Code of Practice

Part G(b): Aboveground Storage Tank System Information (continued)

Spill Prevention, Spill Containment and Product Transfer					
Spill Prevention Systems (1) high level alarm (2) overfill protection system (3) overfill protection device (4) dispenser sump(s)	□ 1 □ 2 □ 3 □ 4	□ 1 □ 2 □ 3 □ 4	□ 1 □ 2 □ 3 □ 4	□ 1 □ 2 □ 3 □ 4	□ 1 □ 2 □ 3 □ 4
Spill Containment Systems (1) double-walled tank (2) none *(3)* dike *(entirely concrete)* (4) earthen dike with liner (5) other: _____	□ 1 □ 2 □ 3 □ 4 □ 5	□ 1 □ 2 □ 3 □ 4 □ 5	□ 1 □ 2 □ 3 □ 4 □ 5	□ 1 □ 2 □ 3 □ 4 □ 5	□ 1 □ 2 □ 3 □ 4 □ 5
Product Transfer Area (1) portable spill containment (2) impermeable transfer area	□ 1 □ 2				
Product transfers into tank: (1) direct top fill (2) remote fill	□ 1 □ 2	□ 1 □ 2	□ 1 □ 2	□ 1 □ 2	□ 1 □ 2
Product offloading from tank: offloading line equipped with a transfer spill collector	□ Y □ N	□ Y □ N	□ Y □ N	□ Y □ N	□ Y □ N
Pumping System					
Type of Pumping System (1) suction (2) submersible	□ 1 □ 2	□ 1 □ 2	□ 1 □ 2	□ 1 □ 2	□ 1 □ 2
Leak Detection and Spill Prevention Information					
Spill Prevention Valves *(1)* anti-siphon valve *(top draw)* *(2)* solenoid valve *(bottom draw)* *(3)* gate valve *(bottom draw)*	□ 1 □ 2 □ 3	□ 1 □ 2 □ 3	□ 1 □ 2 □ 3	□ 1 □ 2 □ 3	□ 1 □ 2 □ 3
Groundwater Monitoring Well(s)	□ Y □ N	If Yes, indicate number of wells:			
Site History and Other Information					
Prepared Base (1) none (2) concrete pad (3) compacted gravel (4) other:	□ 1 □ 2 □ 3 □ 4				
Collision Protection (1) none (2) concrete filled bollards (3) concrete blocks (4) concrete highway Jersey barriers (5) other:	□ 1 □ 2 □ 3 □ 4 □ 5				
Previous spills or leaks	□ Y □ N If Yes, indicate: Tank #(s): Date: Volume lost *(litres)*:				
Tanks to be used seasonally	□ Y □ N	□ Y □ N	□ Y □ N	□ Y □ N	□ Y □ N

Part H: Required Supporting Documentation

Site Plan – A site plan must accompany this permit application. The site plan must be to scale and must be oriented (ex: North arrow). The site plan must provide a bird's eye view of the site, including, but not limited to, the following:

- tank locations
- tank numbers as they associate to this application
- site footprint
- location of groundwater monitoring wells, and tank monitoring wells
- description of surrounding property use
- distances of the tank location to any buildings, property lines, groundwater wells, etc.

Scope of Work – A written scope of work must accompany this permit application. The scope of work must include, but is not limited to, the following:

- proposed construction commencement date
- project description
- list of work to be undertaken at the site
- name of the project manager
    - contact information of the project manager
- name of the LPT responsible for the site
    - contact information for the LPT

Part I: Certification

I,_____, employed by _____
Print name *Name of individual or company*

certify that the information contained on this form is complete and accurate.

_____ _____
Signature of Licensed Petroleum Technician *Date*

Return completed application form to:

Manitoba Conservation and Climate

Environmental Compliance and Enforcement
Petroleum Storage Program
1007 Century St
Winnipeg MB R3H 0W4

Email: petstor@gov.mb.ca
Fax: 204-948-2338

Personal information is collected under the authority of *The Dangerous Good Handling and Transportation Act,* the *Storage and Handling of Petroleum Products and Allied Products Regulation* and is used to issue permits and for enforcement purposes. Information collected is protected by the privacy provisions of *The Freedom of Information and Protection of Privacy Act.* If you have any questions, contact the Access & Privacy Coordinator, Box 85, 200 Saulteaux Crescent, Winnipeg MB R3J 3W3; 1-204-945-4170.

For Internal Use Only

Date Received:_____ **EMS OP ID:**_____

Application Complete: ☐ Yes ☐ No **Approval ID:**_____

File No.:_____ **MCCR:**_____