**Application for a Permit for Aboveground Storage of**

**Flammable & Combustible Liquids**

**Maine Department of Public Safety - Office of the State Fire Marshal**

**45 Commerce Drive, Ste. 1 Augusta, Maine 04333-0052**

**207 626-3880 Tel., 207 287-6251 Fax**

[**http://www.maine.gov/dps/fmo/home**](http://www.maine.gov/dps/fmo/home)

Do Not purchase a tank or start any site work until the permit has been approved.

Go to: <https://www.maine.gov/dps/fmo/plans-review/aboveground> for guidelines to the installation of aboveground storage tanks.

Tanks for heating oil that are connected to oil burners and tanks for propane or natural gas are regulated by the Maine Fuel Board (207) 624-8608.

Underground piping associated with aboveground oil storage tanks is regulated by the Maine Department of Environmental Protection (DEP) (207) 287-7688.

A permit is not required for a tank that is part of a listed generator unit. The unit must be installed according to the manufacturer’s requirements. The capacity of a generator tank is counted for purposes of a Spill Prevention Control and Countermeasures Plan (SPCC).

Tanks to be located on a site for less than 181 days aggregate do not require a permit but must comply with the appropriate sections of statutes, rules, and codes.

Maine Department of Environmental Protection Siting Approval is required for a tank that will be on a site for 4 months or more. Contact DEP Directly at (207) 287-7688 if you have a tank that requires DEP Siting Approval, but not a Fire Marshal’s Office permit.

A permit from the Office of the State Fire Marshal is required for any tank with a capacity greater than 60 gallons and for Hydrogen storage tanks. Smaller tanks may require a permit in special situations.

**APPLICATION PROCESS:**

COMPLETE and SUBMIT the application and fee – Electronic Plans and Specifications Required

* Keep a copy of the application, plans, and specifications for your record!
* The fee is $15 per facility. Make check payable to “Treasurer, State of Maine”. Include facility name in the note line on the check.
* Submit the application and check for the fee by mail along with a CD or Thumb Drive containing PDF specifications and Plan Sheets.
* Submit a separate set of specification and plan sheets for each tank on the application.
* Answer ALL questions! Leaving questions blank will delay processing of the application. Call (207) 557-0110 if you have a question about a specific item on the application.
* Submit the “Site Plan” and “Side and End View Plan” that will be used for construction of the facility. Plans must show the facility details clearly and must include distances listed. Items must be conspicuously and legibly labeled. Plans for other uses (e.g., municipal permits, zoning, drainage, etc.) are NOT acceptable as they do not show what is needed for this application purpose and much of the information on other types of plans obscures what is needed to process the application.

Submit photographs of the tank(s) (side and end views), labels, appurtenances, and piping if the tanks are available to be photographed.

When the permit is issued, it will be sent to the owner listed on the application.

**ENGINEER’S CERTIFICATION**

Plans and specifications must be certified by a Maine registered Professional Engineer when the facility will have a total aggregate capacity of 1320 gallons or more.

**DEP SITING REVIEW**

The Fire Marshal’s Office will forward the application to Maine DEP for siting approval. DEP may refuse a permit for a violation of DEP siting rules. You must work directly with DEP if there is a problem with the DEP siting approval.

**DEP REGISTRATION**

Include DEP Registration Information for the facility even when the DEP Registration is for underground tanks or underground piping. This will help DEP determine if the site complies with DEP Siting Rules.

**SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN**

Environmental Protection Agency (EPA) require a facility has a SPCC when the facility has an aggregate capacity of 1320 gallons or more. Contact EPA for more information. https://www.epa.gov/oil-spills-prevention-and-preparedness-regulations

**CHANGES TO APPLICATION, PLANS, SPECIFICATIONS, AND FACILITIES**

Any changes to the plans and specifications submitted with this application must be approved by the Office of the State Fire Marshal prior to their implementation and a copy of the changes to the plans must be submitted when the original plans and specifications are changed.

Changing the plans without prior written approval of the Office of the State Fire Marshal voids a permit issued for a facility.

**CANOPIES, ROOFS, AND STORAGE TANK BUILDINGS**

* Include plans with dimensions for any building or structures associated with the facility including canopies, roofs, and enclosures.
* There are specific requirements for a building or structure to house or protect an aboveground storage tank in NFPA 30 Chapter 24.
* Constructing a building or structure not included on the application will void the permit issued based on the application submitted.
* A storage tank building is defined as a structure that encloses more than 50% of the total wall space (including dike walls) surrounding the tanks.
* A roof must be no less than 3 feet above the top of the tank, and the vent must terminate above the roof.

**PERMIT BY RULE, AGGREGATE INDUSTRY TANKS**

Application for a permit issued under the Permit by Rule program established pursuant to HP 206-LD 253 must be made on an application specific to that program. A permit for a facility that varies in any way from the Permit by Rule process must be made on this application.

**LEGAL**

Requirements for aboveground storage of flammable and combustible liquids are in Title 25 MRSA §2481, et seq., 16-219 CMR Chapter 34 *Rules and Regulations for Flammable and Combustible Liquids*, NFPA 30 *Flammable and Combustible Liquids Code*, NFPA 30-A *Code for Motor Fuel Dispensing Facilities and Repair Garages*, NFPA 385 *Standard for Tank Vehicles for Flammable and Combustible Liquids* and *NFPA 409 Standard for Aircraft Fuel Servicing*.

**HAZARD IDENTIFICATION**

Tanks must be marked “No Smoking.

Tanks must be marked with the name of the product.

Tanks must be marked with the NFPA 704 Hazard Identification System shown below. Show the numbers on the application that are appropriate for the product in your tank. These numbers are available from your supplier and from the Material Safety Sheet for the products.

Do not use a DOT transportation placard!



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| State Seal (color) **Application for a Permit for Aboveground Storage of**  **Flammable and Combustible Liquids**  **Maine Department of Public Safety**  **Office of the State Fire Marshal**  **45 Commerce Dr. Ste 1**  **Augusta, Maine 04333-0052**  **207 626-3880 (Tel.)**  **http://www.maine.gov/dps/fmo/home** | **Office Use Only** Permit #: | |
| **DEP Siting**:  Complies  Exempt  Does Not Comply  May Be Made to Comply  Waiver Requested  Waiver Granted | **Action**:  Approved per Plan  Approved per  Plan and  Inspection  Denied  Approved or Denied  By:  Date: \_\_\_\_\_\_\_\_\_ |
| **Fee**:  Amount $:  Received:  Check #:  Issued by: |

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| **FACILITY:** | | | **DATE SUBMITTING APPLICATION:** | | |
| Facility Name: | | | | | |
| Facility Physical Address: | | | | | |
| Facility City: | | Facility County: | | | Facility Zip Code: |
| Facility Telephone: | | | | | |
| Facility Contact Person: | Facility Contact Telephone: | | | Facility Contact Email: | |
| Total Capacity of Facility:        U. S. Gallons | Fire Marshal’s Office Permit: None  Number:       Issued:  **Attach a copy to this application!** | | | | |
| Facility DEP Registration Number: | DEP Registration Date: | | | | |
| Owner Start Date: | Operator Start Date: | | | | |

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| **DEP - USE OF FACILITY:** Wholesale Oil Retail Oil Private Fueling Public Facilities | | |
| Industrial  Single Residence  Multiple Residence | Chemical Storage  Aggregate Mining | Federal Facility State Facility  Town or School Facility |

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| **APPLICANT: (Person submitting application and who should be contacted for additional information)** | | | | |
| Name: | | | | |
| Mailing Address: | City: | | State: | Zip Code: |
| Physical Address: | City: | | State: | Zip Code: |
| Telephone, including extension: | | Email: | | |

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| **TYPE OF PERMIT:** | |
| New Aboveground Storage Facility **(No existing permit)**  Change of facility **(Attach a copy of existing permit)**  Add tank(s)  Replace tank(s)  Remove tank(s)  Change Product(s) | Change of Ownership **(Attach a copy of existing permit)**  Corrections to Permit **(Attach a copy of existing permit)**   * Note changes and corrections to a copy of the existing permit and submit the corrected copy of the existing permit with the application. |

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| **ENGINEER’S CERTIFICATION:** |
| **Plans and specifications must be certified by a Maine registered Professional Engineer when the total capacity of the facility is 1320 gallons or more.** |
| I,      \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ hereby certify that  **Name, typed or printed**  the facility described on this application is designed  according to recognized engineering practices,  industry standards, statutes, rules, codes, and standards.  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Signature Date**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Engineer’s Company**       \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Engineer’s Telephone, including extension**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Engineer’s Email: Engineer’s Seal**  Facility/Owner is aware and complies to the federal EPA requirement for an SPCC plan. |

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| **FACILITY OWNER:** | | | |
| Name: | | | |
| Mailing Address: | City: | State: | Zip Code: |
| Physical Address: | City: | State: | Zip Code: |
| Contact: | Telephone: | Email: | |
| Yes No Is this a new owner? | | | |
| Permit will be mailed to “Facility Owner” as shown above. | | | |

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| **FACILITY OPERATOR:**  Same as Facility Owner | | | |
| Name: | | | |
| Mailing Address: | City: | State: | Zip Code: |
| Physical Address: | City: | State: | Zip Code: |
| Contact: | Telephone: | Email: | |
| Yes No Is this a new operator? | | | |

Copy pages 6 - 8 as needed for additional tanks.

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| **TANK INFORMATION:** | | | | | | |
| **Tank Number:** | **Facility Tank Number, if different from Tank Number:** | | | | | |
| **Normal Capacity of tank:**  **US Gallons** | **Tank Manufacturer:** | | | | | |
| **Tank Material**:  Steel Other (Specify): | | | | **Tank Orientation:**  Horizontal Vertical | | |
| **Listing:**  UL 80 UL 2085 Protected Tank  UL 142 UL 2080 Fire Resistant Tank | | | UL 142 with Secondary Containment  UL 2245 Tank in a Vault Other (Specify): | | | |
| **Use of Tank:**  Public/Fleet Fueling  Automotive Aviation Marina Equipment Other:  Private Fueling  Automotive Aviation Marina Equipment Other: | | | | | Bulk Storage  Equipment Supply (Specify):  Container Storage  Other (Specify): | |
| **Flood Zone:**  Is the tank in a Flood Zone? Yes No If “Yes”, specify what means will be used to secure the tank against moving: | | | | | | |
| **Vault:**  Is the tank in a vault? Yes No A concrete secondary containment dike is NOT a vault.  If the vault is listed, specify the listing: | | | | | | |
| **Secondary Containment:** | | | | | | |
| Dike, Concrete Dike, Earth Dike, Metal Double Wall Tank Remote Impoundment None | | | | | | |
| **Weather Protection:** Submit plans and specifications for the building with this application!  Inside a building - More than 50% of wall space is enclosed. Building must comply with NFPA 30, Chapter 24, NFPA 1, NFPA 101, and other referenced publications  Roof with walls - Less than 50% of the total wall space, including dike walls, is enclosed.  Roof or Canopy Only None | | | | | | |
| **Security:**  Chain Link Fence Enclosure Fence is no less than 6 feet high, 10 feet from tank.  Entire property is fenced Other (Specify): | | | | | | |
|  | | | | | | |
| **Collision Protection:** Barricades | | Bollards | | | | Other (Specify): |
| **Distances:** Distance of tank from:  Nearest Important Building      ft Dispensers      ft Nearest Property Line      ft  Nearest side of a Public Way      ft | | | Other Tanks Minimum 3 feet      ft  Mounted on tank  Propane Storage Minimum 20 feet      ft | | | |
| **Electrical Wiring and Equipment:**  Yes No None  Are electrical wiring and electrical equipment within the hazard area defined by the National Electrical Code, NFPA 70 and NFPA 30, installed in compliance with these codes? | | | | | | |
| **Tank Leak Detection:**  None Electronic/Ground Water Manual Monitoring/Secondary Containment  Automatic Tank Gauge Electronic/Vapor Electronic/Secondary Containment  Statistical Inventory Analysis Manual Groundwater Sampling Other (specify): | | | | | | |

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| **CHAMBER INFO** | Chamber 1 | | | | | | Chamber 2 | | | | | Chamber 3 | |
| **Capacity (US Gallons)** |  | | | | | |  | | | | |  | |
| Product  Use generic name, not trade name. | Alcohol  Antifreeze  Asphalt  - Biodiesel  B1-B74  B75-B99 B100  Crude Oil  Diesel Fuel  #2 Fuel  - Gasoline  Aviation  E-85  Leaded  Plus  Premium  Regular  Glycerol  Hydraulic Oil  Jet Fuel  Kerosene  Lube Oil  Methanol  Waste Oil  Other (Specify): | | | | | | Alcohol  Antifreeze  Asphalt  - Biodiesel  B1-B74  B75-B99 B100  Crude Oil  Diesel Fuel  #2 Fuel  - Gasoline  Aviation  E-85  Leaded  Plus  Premium  Regular  Glycerol  Hydraulic Oil  Jet Fuel  Kerosene  Lube Oil  Methanol  Waste Oil  Other (Specify): | | | | | Alcohol  Antifreeze  Asphalt  - Biodiesel  B1-B74  B75-B99 B100  Crude Oil  Diesel Fuel  #2 Fuel  - Gasoline  Aviation  E-85  Leaded  Plus  Premium  Regular  Glycerol  Hydraulic Oil  Jet Fuel  Kerosene  Lube Oil  Methanol  Waste Oil  Other (Specify): | |
| **Is Product Heated?** | | Yes No | | | | | Yes No | | | | | Yes No | |
| **Is Product Under Pressure?** | | Yes No | | | | | Yes No | | | | | Yes No | |
| **Does fill pipe Terminate within 6” of the bottom of the tank?** | | | | | | | | | | | | | |
| Mandatory for tanks storing Class I liquids | | Yes No | | | | | Yes No | | | | | Yes No | |
| **Does filling slow at 90% and stop at 95% of tank capacity?** | | | | | | | | | | | | | |
| Mandatory for Secondary Containment Tanks. | | Yes No | | | | | Yes No | | | | | Yes No | |
| **Overfill Protection** | | Level Gauge  Vent Whistle  Drop Tube  Electronic | | Mechanical  Mech + Elect  None | Level Gauge  Vent Whistle  Drop Tube  Electronic | | | | Mechanical  Mech + Elect  None | | | Level Gauge  Vent Whistle  Drop Tube  Electronic | Mechanical  Mech + Elect  None |
| **Normal Vent (Size & Type)** | | |  | | | |  | | | | |  | |
| **Normal Vent (Height Above Ground)** | | | | | | | | | | | | | |
| Class I Liquids No less than 12 ft above ground | | |  | | | |  | | | | |  | |
| **Emergency Vent for Primary Chamber (Size & Type)** | | |  | | | |  | | | | |  | |
| **Emergency Vent for Interstitial Space (Size & Type)** | | |  | | | |  | | | | |  | |
| **Marking of Tank: Mandatory** | | | | | | | | | | | | | |
| **Product Name:** | | |  | | | |  | | | | |  | |
| **No Smoking** | | | Yes  No | | | | Yes  No | | | | | Yes  No | |
| **NFPA 704 HAZARD IDENTIFICATION SYSTEM** | | | Blue       Yellow  Red       White | | | Blue       Yellow  Red       White | | | | | Blue       Yellow  Red       White | | |
| **TYPE OF PUMP:** | | | Pressure  Suction  None | | | Pressure  Suction  None | | | | | Pressure  Suction  None | | |
| If pump is a pressure pump, is there pressure relief? | | | Yes No | | | Yes No | | | | | Yes No | | |
| If pump is a suction pump, is there an anti-siphon device? | | | Yes No | | | Yes No | | | | | Yes No | | |
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| **PIPING MATERIAL:** Steel Other **(Specify):** | | | | | | | | | | | | | |
| **PIPING LEAK DETECTION:** | | | | | | | | | | | | | |
| None Manual Monitoring, Secondary Containment | | Electronic, Secondary Containment Manual Groundwater Sampling | | | Electronic, Groundwater Statistical Inventory Analysis | | | | | Continuous Electronic Vapor Monitoring | | | |
| **UNDERGROUND PIPING:** Is any of the piping underground?  No  Yes | | | | | | | | | | | | | |
| If “Yes”, Indicate the type of underground piping below: | | | | | | | | | | | | | |
| Black Steel  Composite with Cathodic Protection  Composite with Secondary Containment  Composite Fiberglass with Bonded Steel  Copper  Copper with Secondary Containment  Double Wall Cathode Protected Steel  Fiberglass, Secondary Containment, Petro, Alcohol  Fiberglass, Secondary Containment, Petro | | | | | | | | Fiberglass, Petroleum  Fiberglass, Single Walled  Flexible Single Walled Piping  Flexible Double Walled Piping  PVC  Stainless Steel  Steel, Asphalt Coated  Steel, Cathodic Protected  Steel, Secondary Containment | | | | | |

Underground piping must be installed by a DEP Certified Installer.

**SIDE AND END VIEWS PLAN - These are the plans to be used to construct the facility!**

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| **Show All of the Following on this Diagram:** | | | | |
| * Base Material   - Ground and Foundation   * Type of Secondary Containment * Dike   - Construction Material  - Inside Dimensions  - Capacity  - Drain and Valve   * Remote Impounding | * Emergency Vents   - Primary Chamber  - Type and Size  - Interstitial Space  - Type and Size   * Electrical Equipment   - Emergency Disconnects   * Loading Docks   - Vehicle Containment  - Bonding Connection  - Self closing valves   * Tanks   - Tank Supports | * Piping   -Routing of Piping  -Piping Connections  -Valves  -Anti-Siphon  -Pressure Relief  -Break-away  -Piping Supports  -Spill Bucket   * Normal Vents   - Type and Size  - Height Above Ground | * Protection   -Fire Extinguishing  -From Flooding  -From Collision  -From Tampering   * Tank Marking   -No Smoking  -Product Name  -NFPA 704 Placard   * Color Code   -On Tanks  -On Piping | * Buildings and Dimensions   -Building Construction Type  -Building Materials  -Floor Plan  -Exit Routes and Exit Signs  -Alarm System  -Emergency Lights  -Sprinkler System Specs  -Secondary Containment  -Tank Fill and Vent   * Roofs and Canopies   -Construction Plans  -Height Above Top of Tank  -Vent Termination |

**SITE PLAN - This is the plan to be used to construct the facility!**

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| **Show the Location of All of the Following on this Plan: INDICATE NORTH WITH ARROW** | | | | | | | | |
| * Tanks and Dikes * Buildings * Property Lines * Collision Protection | | * Dispensers * Propane Storage * Public Ways | | * Electrical Controls   - Emergency Disconnects   * Fire Extinguishing Equipment * Security Features | | | * Loading & Unloading Piping * Sump Leak Detection * Remote Impounding * Designated Smoking Area | |
| **Show the Distance from the Tanks to the following on this plan:** | | | | | | | | |
| * Buildings | * Dispensers | | * Other Tanks | | * Propane Storage | * Property Lines | | * Public Ways |

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| **Section A-1**  If you answer “Yes” to any of the following questions, your facility is exempt from the siting restrictions.  Yes No  1. Was the tank facility installed before September 30, 2008?  2. Will the facility be used solely to store heating oil that is consumed on site, not resold?  3. Is the facility replacing an aboveground oil storage facility that was installed before September 30, 2008 that is on the same property?  4. Is the facility replacing or expanding an underground oil storage facility that was registered on or before September 30, 2008 and is presently on the same property? If “Yes” enter the DEP Registration Number\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **Section A-2** If you answered “No” to all the questions in A-1, complete this section.  YES NO  1. Will any portion of the facility be installed after September 30, 2008? If you answered NO – you are done with this section  2. Will any portion of the facility be located within 300 feet of a private well or water supply? (This does not include a private well located on the same lot as the facility and serving only users living on that property.)  3. Will any portion of the facility be located within the source water protection area of a public drinking water well mapped by the Department of Human Services or within 1000 feet of a public water well, whichever is greater?  \*\*Maps of source water protection areas are available on the internet at [**www.maine.gov/dhs/eng/water/index.htm**](http://www.maine.gov/dhs/eng/water/index.htm). Public water supplies are defined as any well or water supply where water is obtained, sold, furnished, or distributed to the public for human consumption. The well or water supply must meet one or more of the following requirements to be a public water supply:  • Serves more than 15 connections, OR  • Regularly Serves at least 25 individuals daily for at least 60 days of the year, OR  • Provides bottled water for sale where the water is pumped from on site. |
| 4. Does the well or water supply serve a school or community water supply  system? - A school is an institution for the formal classroom instruction of children in grades k-12. A community water system is a public water system that serves at least 15 service connections used by year-round  residents or regularly serves at least 25 year-round residents.  5. Will any portion of the facility be located within a mapped significant sand and gravel aquifer?  As of July 1, 2010, Maine law prohibits installation of ASTs within significant  sand and gravel aquifers mapped by the Maine Geological Survey unless a variance is  obtained from the Department of Environmental Protection (DEP).  If the answer to #2 or #4 above is “Yes”, a new aboveground oil storage facility may not be installed unless the applicant proves there is no hydrogeologic connection between the proposed facility and the water supply at issue. Contact DEP at (207) 287-7688 to obtain information on the procedures to follow to determine if a hydrogeologic connection exists.  If the answer to #3 is “Yes” and the answer to #4 is “No”, then a variance from the siting restriction may be granted upon written application to DEP if DEP determines that the proposed installation is designed to exceed minimum regulatory requirements and will effectively minimize releases of oil and the likelihood of drinking water contamination.  If the answer to #5 is “YES”, Please review Chapter 692, Section (4)-(B) through (E) to determine if a variance may be applicable for the proposed site. Contact DEP for an application for a variance.  For questions about the siting law, please call (207) 287-7688 or visit the DEP Drinking Water Protection website: www.maine.gov/dep/rwm/drinkingwater/index.htm |