# 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

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
- 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!

### **NFPA 704**





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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		
Fee: Amount \$: Received: Check #: Issued by:	Approved or Denied By:  Date:		

FACILITY:		DATE SUBMIT	TING APP	LICATION:	
Facility Name:					
Facility Physical Address:					
Tability 1 Trysloci / tearross.					
Facility City:	Fa	cility County:			Facility Zip Code:
Facility Telephone:					
Facility Contact Person:	Fac	cility Contact Telepho	ne:	Facility Contact	t Email:
Total Capacity of Facility:	Fire	e Marshal's Office Pe		□None	
U. S. Gallons		ımber: tach a copy to tl	Issued		
Facility DEP Registration Number:	DE	P Registration D	ate:		
Tability DET Programment Training					
Owner Start Date:	Op	erator Start Date	:		2-11
DEP - USE OF FACILITY:   Wholesale Oil   Reta	ail Oil	Private Fueling	Public	Facilities	
☐ Industrial ☐ Chemical Storage		☐Federal F		5 S	e Facility
Single Residence Aggregate Mining		☐Town or S	School Faci	lity	
☐Multiple Residence					
	م مارين	hould be cont	acted for	additional i	nformation)
APPLICANT: (Person submitting application and Name:	a wno s	moula be cont	acted for	auditionari	mormation
Name:					
Mailing Address:	City:		State:	Zip Code:	
Physical Address:	City:		State:	Zip Code:	
Telephone, including extension:	Email:				
TYPE OF BERMIT.				11.74	
TYPE OF PERMIT:  New Aboveground Storage Facility (No existing permits)	mit)	Change of Owne	ership (Atta	ch a copy of	existing permit)
Change of facility (Attach a copy of existing permit	)		25 2		
☐Add tank(s)		Corrections to P	ermit (Atta	ch a copy of	existing permit)
Replace tank(s)	•	Note changes	and correct	ions to a copy	of the existing permit isting permit with the
Remove tank(s)		and submit the application.	corrected	copy or the ex	asung permit with the
Change Product(s)		application.			

NGINEER'S CERTIFICATION:	10 11 14 14 14	reintered Profession	al Engineer when the
NGINEER'S CERTIFICATION: Plans and specifications mus	t be certified by a Maine re	egisterea Profession	ui Liigiilooi miloii allo
otal capacity of the facility is	1320 gallons or more.		
	hereby certify that		
Name, typed or printed			
ne facility described on this applic	ation is designed		
according to recognized engineeril	ng practices,		
ndustry standards, statutes, rules,	, codes, and standards.		
Signature Date			
Engineer's Company			
Engineer's Telephone, including	g extension		
		neer's Seal	
E -i's Email:	Engi	lieer a ocar	
Engineer's Email:	Engi	Heel 5 Ocal	
	_		
	_		
Engineer's Email:  Facility/Owner is aware and com	_		
Facility/Owner is aware and com	_		Y
Facility/Owner is aware and com	_	ent for an SPCC plan.	To Code
Facility/Owner is aware and com  FACILITY OWNER:  Name:	_		Zip Code:
Facility/Owner is aware and com  FACILITY OWNER:  Name:  Mailing Address:	plies to the federal EPA requirem	ent for an SPCC plan.	Zip Code: Zip Code:
Facility/Owner is aware and com	plies to the federal EPA requirem  City:  City:	State:	
Facility/Owner is aware and com  FACILITY OWNER:  Name:  Mailing Address:	plies to the federal EPA requirem	ent for an SPCC plan.  State:	
Facility/Owner is aware and com  FACILITY OWNER:  Name:  Mailing Address:  Physical Address:  Contact:	City: City: Telephone:	State:	
Facility/Owner is aware and com  FACILITY OWNER:  Name:  Mailing Address:  Physical Address:  Contact:	City: City: Telephone:	State:	
Facility/Owner is aware and com  FACILITY OWNER: Name: Mailing Address: Physical Address: Contact:	City: City: Telephone:	State:	
Facility/Owner is aware and com  FACILITY OWNER: Name:  Mailing Address:  Physical Address:  Contact:  Yes No Is this a new owner?  Permit will be mailed to "Facility Owr	City: City: Telephone:	State:	
Facility/Owner is aware and com  FACILITY OWNER: Name:  Mailing Address:  Physical Address:  Contact:  Yes No Is this a new owner?  Permit will be mailed to "Facility Owr	City: City: Telephone:	State:	Zip Code:
FACILITY OWNER:  Mailing Address:  Physical Address:  Contact:  Yes No Is this a new owner?  Permit will be mailed to "Facility Owr  FACILITY OPERATOR:  Name:	City: City: Telephone:  ner" as shown above.  Same as Facility Owner	State:	
FACILITY OWNER:  Mailing Address:  Physical Address:  Contact:  Yes No Is this a new owner?  Permit will be mailed to "Facility Owner."	City: City: Telephone:	State:  State:  State:  State:	Zip Code:
FACILITY OWNER:  Mailing Address:  Physical Address:  Contact:  Yes No Is this a new owner?  Permit will be mailed to "Facility Owner."  FACILITY OPERATOR:  Name:  Mailing Address:	City: City: Telephone:  ner" as shown above.  Same as Facility Owner	State:  State:  Email:	Zip Code:
FACILITY OWNER:  Mailing Address:  Physical Address:  Contact:  Yes No Is this a new owner?  Permit will be mailed to "Facility Owr  FACILITY OPERATOR:  Name:	City: City: Telephone:  Same as Facility Owner  City:	State:  State:  State:  State:	Zip Code:

## Copy pages 6 - 8 as needed for additional tanks.

TANK INFORMATION:	
Tank Number:	Facility Tank Number, if different from Tank Number:
Normal Capacity of tank:	Tank Manufacturer:
US Gallons	
Tank Material:	Tank Orientation:
Steel Other (Specify):	☐Horizontal ☐Vertical
	85 Protected Tank 80 Fire Resistant Tank UL 2245 Tank in a Vault Other (Specify):
Use of Tank:	OUT THE PRESIDENT TAIN
□ Public/Fleet Fueling □ Automotive □ Aviation □ Marina □ Ed □ Private Fueling	□ Bulk Storage □ Equipment Supply (Specify): □ Container Storage □ Uther: □ Other: □ 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 second the vault is listed, specify the listing:	ndary containment dike is NOT a vault.
Secondary Containment:	
□ Dike, Concrete □ Dike, Earth □ Dike, Metal Weather Protection: Submit plans and specification	□ Double Wall Tank □ Remote Impoundment □ None tions for the building with this application!
☐ Inside a building - More than 50% of wall space is 101, and other referenced publications ☐ Roof with walls - Less than 50% of the total wall sp☐Roof or Canopy Only ☐ No	enclosed. Building must comply with NFPA 30, Chapter 24, NFPA 1, NFPA pace, including dike walls, is enclosed.
Security:	
☐ Chain Link Fence Enclosure Fence is no less than ☐ Entire property is fenced ☐ Other (S	
Collision Protection: Barricades	☐Bollards ☐Other (Specify):
Distances: Distance of tank from:	
	other Tanks Minimum 3 feet  ft  Mounted on tank  Propane Storage Minimum 20  feet  ft
Electrical Wiring and Equipment:	
□Yes □No □None	the hazard area defined by the National Electrical Code, NFPA 70 and NFPA
□ None □ Electronic/Grou □ Automatic Tank Gauge □ Electronic/Vapo □ Statistical Inventory Analysis □ Manual Ground	

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	☐ Alcohol ☐ Antifreeze ☐ Asphalt - Biodiesel ☐ B1-B74 ☐ B75-B99 ☐ B100 ☐ Crude Oil	☐ Alcohol ☐ Antifreeze ☐ Asphalt - Biodiesel ☐ B1-B74 ☐ B75-B99 ☐ B100 ☐ Crude Oil
	☐ Diesel Fuel ☐ #2 Fuel - Gasoline ☐ Aviation ☐ E-85 ☐ Leaded ☐ Plus ☐ Premium ☐ Regular ☐ Glycerol	☐ Crude Oil ☐ Diesel Fuel ☐ #2 Fuel - Gasoline ☐ Aviation ☐ E-85 ☐ Leaded ☐ Plus ☐ Premium ☐ Regular	☐ Diesel Fuel ☐ #2 Fuel - Gasoline ☐ Aviation ☐ E-85 ☐ Leaded ☐ Plus ☐ Premium ☐ Regular
	Hydraulic Oil Jet Fuel Kerosene Lube Oil Methanol Waste Oil Other (Specify):	☐ Glycerol ☐ Hydraulic Oil ☐ Jet Fuel ☐ Kerosene ☐ Lube Oil ☐ Methanol ☐ Waste Oil ☐ Other (Specify):	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	□Yes □No	Yes No	□Yes □No
Pressure?	Does fill pipe Terminate with	in 6" of the bottom of the tank?	
Mandatory for tanks			DVar DNa
storing Class I liquids	Yes No	☐Yes ☐No stop at 95% of tank capacity?	☐Yes ☐No
Mandatory for Secondary Containment Tanks.		Yes No	□Yes □No
Overfill Protection	□ Level Gauge □ Mechanical □ Vent Whistle □ Mech + Elect □ Drop Tube □ None □ Electronic	□ Level Gauge     □ Mechanical       □ Vent Whistle     □ Mech + Elect       □ Drop Tube     □ None       □ Electronic	☐ Level Gauge ☐ Mechanical ☐ Vent Whistle ☐ Mech + Elect ☐ Drop Tube ☐ None ☐ Electronic
Normal Vent (Size & Ty		white A beauty Crowned)	
Class I Liquids No less the 12 ft above ground		ght Above Ground)	
Emergency Vent for Primary Chamber (Size Type)	. &		
Emergency Vent for Interstitial Space (Size Type)			
Description of the second of t	Marking of Ta	ank: Mandatory	
Product Name:			

Application for Aboveground Stor	age Tank					Page 8	
No Smoking	Yes No		☐ Yes	☐ No	)	☐ Yes ☐	No
NFPA 704 HAZARD IDENTIFICATION SYSTEM	Blue Yelle Red Wh		Blue Red		/ellow White	Blue Red	Yellow White
TYPE OF PUMP:	□Pressure □ □None	Suction	□Pre	essure No	Suction Suction	☐Pressur	e
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
PIPING MATERIAL:	Steel Other	(Specify):					
PIPING LEAK DETECTIO	N:						
Manual Monitoring, Secondary Containment	Electronic, Secondary C Continuous Electronic V onitoring	apor			tory Analysis		
UNDERGROUND PIPING	A CONTROL OF THE PROPERTY OF T				☐ Ye	W	
	If "Yes", Indica	te the type of	underg	round p	piping below	¢	
□ Black Steel □ Composite with Cathodic F □ Composite with Secondary □ Composite Fiberglass with □ Copper □ Copper with Secondary Col □ Double Wall Cathode Prote □ Fiberglass, Secondary Col □ Fiberglass, Secondary Col	Containment Bonded Steel ontainment ected Steel ntainment, Petro, Alcol		Fibe Flex Flex PVC Stair Stee	rglass, S ible Sing ible Dou hless Ste I, Aspha II, Catho	ilt Coated dic Protected idary Contain	ping iping ment	
Underground p							
Show All of the Follow			De daed	to con	struct the ray	omity.	
Base Material     Ground and Foundation     Type of Secondary     Containment     Dike     Construction Material     Inside Dimensions     Capacity     Drain and Valve     Remote Impounding	Emergency Vents rimary Chamber - Type and Size terstitial Space - Type and Size Electrical Equipment mergency Disconnects Loading Docks ehicle Containment onding Connection elf closing valves Tanks ank Supports	Piping     Routing of Pip     Piping Conne     Valves     -Anti-Siphon     -Pressure Reli     -Break-away     -Piping Suppo     -Spill Bucket     Normal Vo     - Type and Siz     - Height Above Ground	ections ief orts ents ze	-Fire Ext -From F -From C -From T • Tan -No Smo -Product -NFPA 7	collision campering lik Marking loking t Name 704 Placard or Code	Buildings and     -Building Construct     -Building Materials     -Floor Plan     -Exit Routes and E     -Alarm System     -Emergency Lights     -Sprinkler System     -Secondary Conta     -Tank Fill and Ven     Roofs and Ca     -Construction Plar     -Height Above Top     -Vent Termination	etion Type  Exit Signs  Specs inment it inopies
SITE PLAN - This is the	ne plan to be used to	construct the	e facility	1			
Show the Location of All of	the Following on thi	s Plan: INDI	CATE	NORTH			
<ul> <li>Tanks and Dikes</li> <li>Buildings</li> <li>Property Lines</li> <li>Collision Protection</li> </ul>	Dispensers Propane Storage Public Ways	<ul><li>Emergency</li><li>Fire Ext</li><li>Equipme</li><li>Security</li></ul>	tinguishii ent / Feature	nects ng	<ul><li>Sur</li><li>Re</li></ul>	ading & Unloading mp Leak Detection mote Impounding signated Smoking	n
Show the Distance from the	Show the Distance from the Tanks to the following on this plan:						
Buildings    Dispense	sers • Other Tanks	• Propa	ane Stor	age •	Property Lines	Public !	Ways

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, 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   \[ \sum 1. Will any portion of the facility be installed <u>after September 30, 2008?</u> 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 <a href="www.maine.gov/dhs/eng/water/index.htm">www.maine.gov/dhs/eng/water/index.htm</a> . 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 <u>not</u> 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: <a href="https://www.maine.gov/dep/rwm/drinkingwater/index.htm">www.maine.gov/dep/rwm/drinkingwater/index.htm</a>

# Please list all aboveground storage tanks on the property

Tank #	Capacity (Gallons)	Product	Tank Manufacturer	Approximate date of installation	Is this tank active?
		2			
1/					
100					