

| PLAN REVIEW | |
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| <i>Reviewer</i> | <i>Date</i> |
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| Brian Parrie | 2/21/2017 |
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UNDERGROUND AND ABOVEGROUND STORAGE TANKS

Purpose

The Underground Storage Tank (UST) and Aboveground Storage Tank (AST) Management Program is designed to assist Nicollet Public School administration and/or the Program Contact Person (in assuring all USTs and ASTs are managed so that damage to the environment and the financial losses associated with liquid petroleum are prevented or minimized. This program will assure the school and responsible regulatory agencies that the underground and aboveground storage of liquid fuels will be managed in a responsible fashion.

Underground Storage Tanks

Regulatory Requirements

- ◆ Only heating oil tanks larger than 1,100 gallons capacity are regulated by the Minnesota Pollution Control Agency.
- ◆ Because heating oil tanks contain a combustible material, the State Fire Marshall under the Uniform Fire Code also regulates them.

Tank Registration

- ◆ Regulated heating oil tanks must be registered with the MPCA. To obtain the required forms call 1(800) 657-3864.)

Tank Installation

- ◆ Contractors who install regulated heating oil tanks must be certified by the MPCA. To obtain a list of certified contactors call (800) 657-3864.



- ◆ The MPCA must be informed at least ten days in advance of a new tank to be installed.
- ◆ The MPCA must be notified of the installation of a regulated heating oil tank within thirty days of completion of the project by use of a notification form.
- ◆ If the installation start date changes by more than two days from the original start date, the MPCA must be notified of the new start date.

Tanks Removal

- ◆ Contractors that remove heating oil tanks must be certified by the MPCA. Again information on certified contactors may be obtained by calling (800 657-3864).
- ◆ The MPCA requests notification ten days prior to tank removal.
- ◆ Provisions must be made for disposal of the tank and any leftover contents.
- ◆ Once the tank has been removed the school must notify the MPCA within thirty days.
- ◆ A site assessment (soil or ground water sampling) is not required, however strongly recommended.
- ◆ If the removal start date changes by more than two days from the original start date, MPCA must be notified of the new start date.

Abandoned Tanks

- ◆ Heating oil tanks that have been out of service for more than one year are considered abandoned and must be properly closed. Proper closure involves either removing the tank from the ground or closing in place. Closure in place requires prior approval from the local fire official or the State Fire Marshall.

Leak Detection

- ◆ There are no leak detection requirements for consumptive-use heating oil tanks in Minnesota. For further information, call the MPCA at (800) 657-3864.
- ◆ Owners/operators must report a known or suspected release from a heating oil tank system of any size by calling (800) 422-0798.

Corrosion Protection

- ◆ Heating oil systems smaller than 1,100 gallons capacity are unregulated and are not required to have corrosion protection, regardless of the date of installation.
- ◆ Heating oil tanks larger than 1,100 gallons capacity are regulated, but must have corrosion protection only if they were installed on or after August 1, 1985. However, there are no corrosion protection testing requirements for such



heating oil tanks.

- ◆ Regulated heating oil tank systems installed before August 1, 1985 are exempt from corrosion protection requirements for the life of the tank system.

Spill Containment

- ◆ Heating oil tanks are not required to be equipped with a spill containment device. smaller than 1,100 gallons capacity are unregulated and are not required to have corrosion protection, regardless of the date of installation.

Overfill Prevention

- ◆ Heating oil tanks are not required to be equipped with an overfill prevention device.

Insurance

- ◆ The MPCA does not require owners to have pollution liability insurance for heating oil tanks.

Aboveground Storage Tanks

Introduction

The use by public and private schools of aboveground storage fuel tank systems is generally of limited application. However, from time to time aboveground tanks can offer the district a convenient means of petroleum storage. Several criteria exist for establishment and use of above ground tanks. Existing facilities not previously converted, temporary storage, and tanks that may serve as a source of fuel containment for grounds keeping, bussing vehicles, and as a source of fuel to fire boiler facilities to mention a few.

Regulatory Requirements

Notification

- ◆ MPCA must be notified about all ASTs with a capacity of greater than 110 gallons with a capacity of greater than 110 gallons within 30 days of installation or change in tank status (Minnesota Statute, Chapter 116.48).
- ◆ Owners and operators must complete and submit the AST Notification Form to the MPCA. This form can be obtained on the Internet at <http://www.pcs.state.mn.us/cleanup/ast>.



Tanks that do not have to be registered include:

- ◆ Farm and residential heating oil tanks less than 1,100 gallons capacity
- ◆ Tanks used for storing agricultural chemicals
- ◆ Tanks that store liquids that are in gas form at atmospheric temperature and pressure (compressed gas tanks)
- ◆ Tote tanks
- ◆ Temporary tanks
- ◆ Tanks less than 110 gallons

Exemptions

- ◆ Tanks of 500 gallons or less
- ◆ Farm tanks
- ◆ Residential tanks less than 1,100 gallons used for noncommercial purposes
- ◆ Equipment or machinery containing substances for operational purposes such as hydraulic lift tanks, electrical equipment, and heating and cooling equipment
- ◆ Vehicles designed and used to transport substances if they don't remain at the same location for more than 30 consecutive days or refill at the same site after dispensing the tank's contents; wastewater treatment facility equipment
- ◆ Tote tanks; tanks with greater capacity than 500 gallons capacity, but less than or equal to 1,100 gallons capacity
- ◆ Tanks that store liquids that are in gas form at atmospheric temperature and pressure (compressed gas tanks)
- ◆ Tote tanks
- ◆ Tanks with greater than 500 gallons capacity, but less than or equal to 1,100 gallons capacity that are not within 500 feet of surface water;
- ◆ Septic tanks
- ◆ A surface impoundment, pit, pond, or lagoon;
- ◆ Storm water collection systems;
- ◆ Temporary tanks (tanks at a site less than 30 days);and
- ◆ Storage tanks with drinking water,

All AST's greater than 110 gallons must still be registered with the MPCA unless specifically listed under the Notification exemption section above.

REQUIREMENTS for Regulated Tanks with capacity greater than 1,100 gallons.

- ◆ Be registered
- ◆ Be labeled
- ◆ Constructed using appropriate industry standards
- ◆ Have secondary containment
- ◆ Have a facility posted sign



- ◆ Have substance transfer area safeguards
- ◆ Have internal and/or external corrosion protection
- ◆ Have overfill protection
- ◆ Be monitored for leaks and regularly inspected
- ◆ Be properly maintained
- ◆ Have monitoring and inspection records on site;
- ◆ Assess releases during operations or at tank removal and report them to the State duty Officer at (800) 422-0798
- ◆ Label lines so connections can be identified during substance transfer
- ◆ Have underground piping safeguards if utilized and
- ◆ Be properly closed if no longer used

Requirements for Temporary Tanks

Tanks larger than 1,100 gallons that store product for longer than 30 days, but less than one year must:

- ◆ Label tanks
- ◆ Post a facility sign
- ◆ Provide secondary containment and
- ◆ Perform site maintenance on tanks

