



Petroleum Product Delivery Law

Tanks/Aboveground Storage Tanks #4.20 • April 2004

In 1995, the Minnesota Legislature enacted laws to prevent spills during petroleum product deliveries at above-ground storage tank (AST) facilities. This law (Minn. Stat. § 116.481) affects most bulk plants and petroleum product transportation companies. Petroleum refineries and terminals are **exempt** from this law, but are subject to other environmental regulations. This fact sheet explains the basic requirements of this law.

The law applies to facilities that have:

- one or more ASTs with a capacity of 2,000 gallons or more
- ASTs used for storage and subsequent resale of petroleum products

Site diagram requirements

All tanks at the facility must be shown on a site diagram which is permanently mounted in an area accessible to delivery personnel. The diagram must show the:

- tank number, location, contents, and capacity for each tank
- location of piping and valves
- location of any storm sewers, drainage ditches, catch basins, and adjacent water bodies to which a spill might travel
- location of the spill kit and any other available emergency response equipment
- facility owner or operator's phone number

Labeling requirements

These are the labeling requirements:

1. Each AST with a capacity of 2,000 gallons or more must be labeled with:
 - tank number
 - tank contents
 - tank capacity
 - tank chart showing volume conversion from inches of product to gallons, in increments of 500 gallons or less
2. Piping must be labeled with the product type carried at the tank inlet and at the point of delivery.
3. Manifolder delivery points must have all valves labeled as to product distribution.

Gauging requirements

These are the gauging requirements:

1. Each AST with a capacity of 2,000 gallons or more must employ:
 - a mechanical or electronic product level gauge
 - an audible or visual high-level alarm that is triggered within 100 gallons of capacity
 - manual gauging
2. If manual gauging is used, documentation of available tank capacity must be transmitted to delivery personnel prior to delivery.

Delivery personnel requirements

These are the delivery personnel requirements.

1. Prior to delivering product into any tank at a facility, delivery personnel must:
 - consult the site diagram to determine proper delivery points and valve settings
 - visually inspect the tanks, piping and valve settings to ensure proper delivery
 - determine that available tank capacity is sufficient for the amount of product delivered
2. Delivery personnel must be present during delivery.
3. A tank may not be filled from a transport vehicle compartment containing more than the available capacity of the tank, unless the hose of the transport vehicle is equipped with a manually-operated, shut-off nozzle.

Need more information?

Visit the AST Program at <http://www.pca.state.mn.us/cleanup/ast.html>. The site has forms, fact sheets, and other information about ASTs and AST requirements.

You can also call the Minnesota Pollution Control Agency at 651-296-6300 or 1-800-657-3864.
