



# Illinois Environmental Protection Agency

## Storage Tank

Illinois Environmental Protection Agency  
Bureau of Air – Permit Section (MC 11)  
2520 West Iles Ave  
P.O. Box 19276  
Springfield, IL 62794-9276

Date Form Received

A single form may be used for multiple similar storage tanks where the information contained on this form is identical between the storage tanks.

### **General Information**

Source Name: \_\_\_\_\_  
Source ID Number: \_\_\_\_\_  
CAAPP Permit Number: \_\_\_\_\_  
Environmental Contact Name: \_\_\_\_\_  
Environmental Contact Email: \_\_\_\_\_  
Environmental Contact Phone Number: \_\_\_\_\_

### **Data And Information**

Tank Designation: \_\_\_\_\_  
Manufacturer of Tank (if known): \_\_\_\_\_  
Model Number (if known): \_\_\_\_\_  
Serial Number (if known): \_\_\_\_\_  
  
Actual or Planned Construction Date (Month/Year): \_\_\_\_\_  
Actual or Planned Operation Date (Month/Year): \_\_\_\_\_  
Actual or Planned Latest Modification Date (Month/Year): \_\_\_\_\_  
Briefly Describe Modification (if applicable): \_\_\_\_\_

The Illinois EPA is authorized to require, and you must disclose, the requested information on this form pursuant to the Environmental Protection Act (“Act”), 415 ILCS 5/1 et seq., and its implementing regulations. This information shall be provided using either this form or in an alternative manner at your discretion. Failure to disclose the information may result in an incomplete application and other penalties as provided for in the Act, 415 ILCS 5/42-45. Intentional falsification of the information in this form may result in significant criminal and civil penalties as provided by law.

If the emission unit has more than one mode of operation, explain and identify which mode is covered by this form (note: a separate 232-CAAPP form must be completed for each mode):

Provide the name and designation of all pollution control equipment controlling this tank, if applicable (form 260-CAAPP and the appropriate 260-CAAPP addendum form must be completed for each item of pollution control equipment):

Provide any limitation on source operation affecting emissions or any work practice standards (e.g., production variation, etc.):

### **Tank Information**

Tank Capacity (gal or barrels): \_\_\_\_\_

Tank Diameter or Width (ft): \_\_\_\_\_

Tank Height (ft): \_\_\_\_\_

Tank Length (ft): \_\_\_\_\_

Tank Shape (check one):

Cylindrical

Horizontal

Other, Specify: \_\_\_\_\_

Tank Exterior Color (check one):

White

Gray/Silver

Other, Specify: \_\_\_\_\_

Tank Condition (check one):

Good

Fair

Poor

Tank Location (check one):

Underground

Aboveground

Tank Type (check one):

Fixed Roof

External Floating Roof

Pressure

Internal Floating Roof

Variable Vapor Space, Specify Volume Expansion Capacity (bbl): \_\_\_\_\_

Other, Specify: \_\_\_\_\_

## **Vent Valve Information**

Type of Vent	Number of Vents	Pressure Setting (PSIG)	Discharge Vented to (Atmosphere, Flare, Vapor Control, ETC.)
Combination			
Pressure			
Vacuum			
Open			

Provide The Following Information Only If Readily Available:

Latitude: \_\_\_\_\_

Longitude: \_\_\_\_\_

UTM Zone: \_\_\_\_\_

UTM Vertical (km): \_\_\_\_\_

UTM Horizontal (km): \_\_\_\_\_

## **Material Stored and Throughput Information**

Attach associated calculations and label as Exhibit 232-1.

Chemical Name of Material Stored: \_\_\_\_\_

CAS number: \_\_\_\_\_

Density: (lb/ft<sup>3</sup> or lb/gal): \_\_\_\_\_

Vapor Pressure at 70°F (psia): \_\_\_\_\_

Molecular Weight (lb/lb-mole): \_\_\_\_\_

Vapor Pressure at Maximum Storage Temperature (psia): \_\_\_\_\_

Method Used to Determine Vapor Pressure Pursuant to 35 IAC 215.208, 218.109-111 or 219.109-111 (check one):

ASTM D2879-86

Published Literature, List: \_\_\_\_\_

Other, Specify: \_\_\_\_\_

Storage Temperature:

Minimum (°F): \_\_\_\_\_

Maximum (°F): \_\_\_\_\_

Throughput:

Gal/day: \_\_\_\_\_

Gal/year: \_\_\_\_\_

BBLs/day: \_\_\_\_\_

BBLs/year: \_\_\_\_\_

Maximum Fill Rate (gal/hours): \_\_\_\_\_



Explanation of how ongoing compliance will be demonstrated:

**Testing , Monitoring, Recordkeeping, And Reporting**

List the parameters that relate to air emissions for which records are being maintained to determine fees, rule applicability or compliance:

Operating Parameter to be monitored (e.g. flow rate)			
Method of measurement			
Unit of measurement			
The monitoring frequency			
Description of the location of each monitor (e.g., in stack monitor 3 feet from exit)			
Verification procedures to confirm the operational status of the monitoring			
Method of Recordkeeping (e.g. data logger, manual readings)			

If each monitor is not operated at all times the equipment is in operation, explain:

Provide information on the most recent tests, if any. If additional space is needed, attach and label as exhibit 260D-1:

Test Date	Test Method	Testing Company	Operating Conditions	Summary of Results

Describe all reporting requirements and provide the title and frequency of report submittals to the Agency:

### **Emission Information**

Provide the controlled emissions (e.g. the emissions that would result after all control and capture efficacies are accounted for).

Name of Regulated Air Pollutant	<b>Example: Particulate Matter</b>			
Typical Emission Rate (lbs/hr)	<b>4.00</b>			
Maximum Emission Rate (lbs/hr)	<b>5.00</b>			
Typical Emission Rate (ton/year)	<b>14.4</b>			
Maximum Emission Rate (ton/year)	<b>21.9</b>			
Typical Emission Rate Other Terms (ppm, gr/dscf, etc.) _____	<b>0.24 gr/dscf</b>			
Maximum Emission Rate Other Terms (ppm, gr/dscf, etc.) _____	<b>0.3 gr/dscf</b>			
Applicable Rule	<b>35 IAC 212.321</b>			

## **Hazardous Air Pollutant Emission Information**

Provide the controlled HAP emissions (e.g. the emissions that would result after all control and capture efficiencies are accounted for).

Name of HAP Emitted	<b>Example: Benzene</b>			
Chemical Abstract Service (CAS) Number	<b>71432</b>			
Typical Emission Rate (lbs/hr)	<b>8.0</b>			
Maximum Emission Rate (lbs/hr)	<b>10.0</b>			
Typical Emission Rate (ton/year)	<b>0.8</b>			
Maximum Emission Rate (ton/year):	<b>1.2</b>			
Typical Emission Rate Other Terms (ppm, gr/dscf, etc.) _____				
Maximum Emission Rate Other Terms (ppm, gr/dscf, etc.) _____				
Applicable Rule	<b>40 CFR 61.302(b), (d)</b>			

## **Floating Roof Tank Equipment Information (If Applicable)**

Floating Roof Type (check one):

Internal

External

Other, Specify: \_\_\_\_\_

Primary Seal Type (check one):

Metallic Shoe

Liquid Mounted Resilient Seal

Vapor mounted resilient

Other, Specify: \_\_\_\_\_

If the floating roof is equipped with a secondary seal how is the secondary seal mounted (check one):

Shoe

Rim

Other, Specify: \_\_\_\_\_

Is the Floating Roof Equipped with a Weather Shield?

Yes

No

Average Wind Speed at the Tank Site (mph): \_\_\_\_\_

Interior Condition of the Tank Shell (check one):

Light Rust

Dense Rust

Gunitite Lined

Other, Explain: \_\_\_\_\_

For column supported tanks, complete the following:

Number of Columns: \_\_\_\_\_

Diameter of Each Column (ft): \_\_\_\_\_

For internal floating roof tanks, complete the following:

Method Of Bounding For The Deck? (check one):

Bolting

Welding

Other, Specify: \_\_\_\_\_

Total Length of All Deck Seams (ft): \_\_\_\_\_

Diameter of the Deck (ft): \_\_\_\_\_

For internal floating roof tanks, indicate the number of each type of fitting:

**Access Hatch:**

Bolt Cover, Gasketed: \_\_\_\_\_

Unbolted Cover, Gasketed: \_\_\_\_\_

Unbolted Cover, Ungasketed: \_\_\_\_\_

**Automatic Gauge Floating Well:**

Bolt Cover, Gasketed: \_\_\_\_\_

Unbolted Cover, Gasketed: \_\_\_\_\_

Unbolted Cover, Ungasketed: \_\_\_\_\_

**Column Well:**

Build-up Column Sliding Cover, Gasketed: \_\_\_\_\_

Build-up Column Sliding Cover, Ungasketed: \_\_\_\_\_

Pipe Column Flexible Fabric Sleeve Seal: \_\_\_\_\_

Pipe Column Sliding Cover, Gasketed: \_\_\_\_\_

Pipe Column Sliding Cover, Ungasketed: \_\_\_\_\_

**Ladder Well:**

Sliding Cover, Gasketed: \_\_\_\_\_

Sliding Cover, Ungasketed: \_\_\_\_\_

**Sample Pipe Or Well:**

Slotted Pipe-Sliding Cover, Gasketed: \_\_\_\_\_

Slotted Pipe-Sliding Cover, Ungasketed: \_\_\_\_\_

Sample Well-Slit Fabric Seal (10% Open area): \_\_\_\_\_

**Roof Leg Or Hanger Well:**

Adjustable: \_\_\_\_\_

Fixed: \_\_\_\_\_

**Vacuum Breaker:**

Weighted Mechanical Actuation, Gasketed: \_\_\_\_\_

Weighted Mechanical Actuation, Ungasketed: \_\_\_\_\_

**Stub Drain:**

1 inch Diameter \_\_\_\_\_

**Other, Explain:**