

TANK PERMIT PLAN REVIEW CHECKLIST

| I. Building Plans and Application Requirements | Provided | | | |
|---|-----------------|-----|---|----|
| 1. Professional quality plans provided | ☐ | Yes | ☐ | No |
| 2. Licensed contractor listed | ☐ | Yes | ☐ | No |
| a. Copy of certificate of liability insurance | ☐ | Yes | ☐ | No |
| 3. Copy of PADEP Certification for Installer (PA245.554) <i>(N/A for heating oil tanks for use on premises < 30,000 gallons or for liquid propane tanks)</i> | ☐ | Yes | ☐ | No |
| a. Non-regulated substances (referenced from link) http://www.dep.pa.gov/Business/Land/Tanks/Registration/Pages/Regulated-Substances.aspx | ☐ | Yes | ☐ | No |
| 4. Site plan with location of tank | ☐ | Yes | ☐ | No |
| a. If inside, floor plans are provided | ☐ | Yes | ☐ | No |
| b. If above ground and in flood plain, zoning permit | ☐ | Yes | ☐ | No |
| 5. Listed tank capacity and type of material stored: _____ | ☐ | Yes | ☐ | No |
| a. Hazard Classification: _____ | | | | |
| 6. Manufacturer's specification sheet for equipment is provided | ☐ | Yes | ☐ | No |
| II. General Tank Requirements | | | | |
| 1. Buoyancy protection <i>(only in floodplain)</i> [14-704(4)(c)(2)(b)(iii)] | ☐ | Yes | ☐ | No |
| 2. Compliant with applicable NFPA Standards: | ☐ | Yes | ☐ | No |
| a. NFPA 30 - Flammable and Combustible Liquids Code (Applies to supports, foundations and anchorage for AST's) | ☐ | Yes | ☐ | No |
| b. NFPA 31 - Standard for the Installation of Oil-Burning Equip. (Applies to clearances between equipment and oil supply tanks) | ☐ | Yes | ☐ | No |
| 3. Compliant with applicable Philadelphia Fire Code Standards: | ☐ | Yes | ☐ | No |
| a. Section 2206 – Flammable and Combustible Liquid Motor Fuel-Dispensing Facilities | ☐ | Yes | ☐ | No |
| b. Section 3404 – Storage | ☐ | Yes | ☐ | No |
| c. Section 3406 – Special Operations | ☐ | Yes | ☐ | No |
| 4. If above ground tank, no motor fuel where tanks accessible by public (F-3404.2.9.6.1) | ☐ | Yes | ☐ | No |
| III. Specific Tank Requirements – per PA Code Chapter 245 | | | | |
| 1. Tank classification – Select the Tank Type & Complete the Appropriate Section | | | | |
| <input type="checkbox"/> Aboveground Storage Tank (AST) <input type="checkbox"/> Underground Storage Tank (UST) | | | | |

Note: PA regulations do not apply to the following AST's:

- ≤ 1,100 gallons used for storing motor fuel for noncommercial purposes or motor oil
- for storage of home heating oil for consumptive use on premises where stored
- for storage of propane gas

A. Aboveground Storage Tank (AST) Requirements

Note: the reference code sections that follow below apply to AST's > 21,000 gallon; code sections marked with an asterisk (*) apply to AST's ≤ 21,000 gallons

| | | | | |
|--|--------------------------|-----|--------------------------|----|
| 1. Manufacturer specifications and submittals indicate that tank, piping and ancillary equipment are designed/constructed in accordance with current code of practice such as UL, ACI, API, ASME, ASTM, ANSI, SSPC, PEI, STI or NACE. (PA245.522, PA245.525 & PA245.526) *(PA245.612)* | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 2. New tank foundation is proposed and is capable of supporting total weight of tank (PA245.522) *(245.612)* | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| a. For existing foundations, documentation is provided to verify that the existing foundation can support the weight of the tank & its contents. | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 3. Security devices in place, such as fencing, bollards, access control, etc. (PA245.214) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 4. For tanks located in underground vaults, proper anchorage is shown between tank and vault (PA245.523) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 5. If installed in vault, is tank used for dispensing Class I or Class II motor fuels *(PA245.612 and PA245.523)* | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 6. Tank is appropriately vented for pressure and vacuum (PA245.525) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 7. Cathodic protection system provided for tanks subject to corrosion (PA245.532) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 8. Interior coating/lining system provided for corrosion protection (PA245.534) *(PA245.612 & PA245.534)* | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 9. Overfill protection provided (PA245.541) *(PA245.612)* | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 10. Secondary and emergency containment provided (PA245.542) *(PA245.612)* | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 11. Leak detection equipment provided (PA245.543) *(PA245.613)* | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |

B. Underground Storage Tank (UST) Requirements

| | | | | |
|---|--------------------------|-----|--------------------------|----|
| 1. Manufacturer specifications and submittals indicate that tank and ancillary equipment are designed/constructed in accordance with current code of practice such as UL, API, ACI, ASTM, ANSI, STI, ACT, NFPA, NLPA, PEI or NACE (PA245.405) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 2. Spill and overfill protection provided (PA245.421 & PA245.431) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 3. Total secondary containment provided (PA245.421) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 4. Leak & release detection equipment provided (PA245.421 & PA245.441) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |
| 5. Corrosion protection (such as cathodic protection) provided for metal tanks only (PA245.421) | <input type="checkbox"/> | Yes | <input type="checkbox"/> | No |