pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF ENVIRONMENTAL CLEANUP AND BROWNFIELDS

ABOVEGROUND STORAGE TANK INSPECTION SUMMARY INSTRUCTIONS

Information provided on the Aboveground Storage Tank Inspection Summary Form should be typewritten or printed in a legible manner.

I. **TYPE OF INSPECTION:** Indicate whether this is an in-service or out-of-service integrity inspection or an installation inspection for a new AST, a relocated AST, or an AST installed by an uncertified individual. An installation inspection is required on an aboveground tank greater than 21,000 gallons in capacity at installation, reconstruction, or relocation. An installation inspection is also required on small aboveground *field constructed* tanks at installation, reconstruction, or relocation.

II. **INSPECTION DATE(S):** Enter the date that you, the inspector, completed the inspection. Provide the dates of the last in-service, out-of-service, and lining inspections. Enter "NONE" if no previous integrity or lining inspections were performed.

III. **FACILITY INFORMATION:** Enter the facility information as it appears on the blue registration certificate. If this is a new facility, enter "NEW" in the Facility ID number spaces.

IV. **INSPECTOR INFORMATION:** Complete all information in this section. If self-employed, enter self employed or your name in the Employer space and leave the Company Certification Number blank. NOTE: When conducting an integrity inspection on aboveground field constructed metallic storage tanks, the DEP certified inspector must also possess current API Std 653, inspector certification in accordance with §245.113(f).

V. **TANK IDENTIFICATION:** Enter the tank information as it appears on the blue registration certificate including the tank ID (sequence) number, capacity, and substance. If this is a new tank, enter "NEW" in the ID number space. Describe the tank dimensions and indicate which industry code or standard was followed during tank construction. Check the appropriate boxes to indicate the configuration of the tank (Horizontal, Vertical or Elevated Vertical Tank) and where the tank was constructed (Shop Built or Field Built). If the tank information on the registration form is incorrect, provide the correct information in Section XVII and advise the owner to submit an amended Registration/Permitting form.

VI. **FIRE/SAFETY PERMIT:** If a Fire/Safety permit is required for flammable and combustible liquids enter the permit number, the permit date and which authority issued the permit (State Police Fire Marshal, Labor & Industry, Allegheny County or Philadelphia County).

VII. **CERTIFIED INSPECTOR:** As the DEP Certified inspector, sign and date the form in this area. Check the appropriate box indicating whether the tank system can or cannot remain in service or be returned to service. Fully explain the reason why additional evaluation or modification is needed and any activities taken to correct the deficiencies in Section XVII.

VIII. **OWNER OR OWNER'S REPRESENTATIVE:** Enter the name, title, and phone number of the person providing the tank information. Have the owner or designated representative sign and date the form. If the owner or representative refused to sign this section, please explain the situation in Section XVII. A copy of a certified mail receipt may be used as evidence that the report has been provided to the owner.

IX. **EVALUATION OF THE TANK SYSTEM:** Enter the condition of EACH of the system's components based on the technical requirements in Pennsylvania Code Title 25, Chapter 245, the guidelines of API 653 (tank) and API 570 (piping), the guidelines of STI SP001, and/or applicable manufacturer's specifications. List the methods used for testing and examining the system. Unsatisfactory conditions related to product compatibility or observed in foundations, supports, shells, roofs, floors, and internal linings require that repairs be made

before the tank can be returned to service and may require that the tank be removed from service if discovered during an in-service inspection. Other components may be checked as unsatisfactory and will require the inspector to determine whether deterioration is severe enough to cause the tank to remain out-of-service or be taken out-of-service. If a component is "Unsatisfactory" or "Not Applicable" explain the reason(s) in Section XVII, and provide recommendations to correct unsatisfactory conditions.

When using this form to report an Installation Inspection, selecting "Satisfactory" for a system component in this section certifies that the component meets engineering specifications and/or technical requirements and was installed or constructed in accordance with the technical requirements in Pennsylvania Code Title 25, Chapter 245, the engineer's design, applicable industry standards, and applicable manufacturer's instructions.

NOTE: The technical requirements for ASTs >21,000 gallons are in Title 25 Pennsylvania Code, Chapter 245, Subchapter F and for ASTs ≤21,000 gallons, in Title 25 Pennsylvania Code, Chapter 245, Subchapter G.

X. CALCULATED INFORMATION *(Integrity Inspections)***:** Enter the calculated maximum corrosion/deterioration rates and minimum service life. Determine the next in-service inspection and out-of-service inspection intervals, when appropriate, and indicate the method used to determine the remaining tank life. If the tank cannot be returned to service without additional repairs or evaluations; check the "Next Inspection to be Determined…" box. If this box is checked, it is expected that the next inspection intervals will be determined at the time the modifications are inspected and reported on the Modification Inspection Summary Report. If a separate piping inspection was performed under API 570 standards, calculated corrosion rates from the separate inspection may be used. Explain irregularities in Section XVII.

XI. RECORD REVIEW: Check the appropriate boxes based on the information provided by the tank owner. NOTE: Large aboveground storage tanks, installed before October 11, 1997, without secondary containment under the bottom of the tank that are in contact with the soil, and do not have cathodic protection or an internal lining shall be leak tested at each in-service inspection. The tank leak test must follow a Nationally-recognized procedure that is based on a volumetric/mass measurement, an acoustic measurement, or a soil-vapor monitoring method, such as those addressed in API Publication 334 "Guide to Leak Detection in Aboveground Storage Tanks."

XII. TANK INFORMATION: Provide information on the tank system by checking at least one box for EACH of the system components. If "other" is checked in any subsection, provide specific information. NOTE: Overfill prevention on large ASTs requires both a high-level alarm and a gauge or monitoring device. NOTE: In order to determine if the emergency containment meets the regulatory requirements please refer to technical guidance 263-0900-022, *Verification of Emergency Containment Structures for Aboveground Storage Tanks.* NOTE: Secondary containment refers to an additional layer of impervious material under the tank to create a space for detecting leaks.

XIII. CATHODIC PROTECTION: Check The appropriate box based on the method(s) by which the tank is being protected from corrosion. For both impressed current cathodic protection and galvanic cathodic protection, information regarding the last two cathodic protection surveys is required.

XIV. EMERGENCY CONTAINMENT: Check the appropriate box based on the construction of the emergency containment structure. Verify compatibility, capacity and permeability of the emergency containment structure.

XV. SECONDARY CONTAINMENT: Describe the secondary containment structure. Note if the facility monitors the secondary containment at least monthly for evidence of a release.

XVI. DOUBLE WALLED TANKS: If the tank is a double walled tank that relies SOLEY on the outer wall for containment, check the appropriate boxes. If the tank has another means for emergency containment and secondary containment, skip this section.

XVII. INSTALLER INFORMATION *(New and Relocated Tank Systems only)***:** Provide the information for each installer whose work you inspected. Verify this information with the installer's DEP certificate or card. If a certified installer did not perform or oversee the work, show the name(s) of individual(s) and employer(s) who did the work and print "Not Certified" on the certification number line. Verify that welding was completed in accordance with industry practices and/or design criteria, and was performed by a qualified welder. Determine if hydrostatic testing is required and note the results of any hydrostatic testing conducted. Verify that the tank installation was conducted in accordance with manufacturer's specifications, engineer's design criteria and current industry standards. Provide any additional comments in Section XVII.

XVIII. COMMENTS: Describe, in detail, any tank system deficiencies and note additional information discovered during the inspection. Provide recommendations to correct any deficiencies or unsatisfactory conditions. If additional comment sheets are needed, label each sheet with facility and tank identification numbers, the inspection date, and the page number.

Completed integrity inspection summaries: must be submitted to DEP by the certified inspector within **60 days** of conducting the inspection activities.

Completed installation inspection summaries: must be submitted to DEP by the certified inspector within **30 days** of conducting the inspection activities.

- Original to the appropriate DEP regional office
- Copy to DEP central office
- Copy to the tank owner
- Copy for tank inspector's files

Central Office
Pennsylvania DEP, Central Office
Division of Storage Tanks
PO Box 8762
Harrisburg, PA 17105-8762

Northwest Region 230 Chestnut Street Meadville, PA 16335-3481 814-332-6648	**Northcentral Region** 208 West Third Street, Ste. 101 Williamsport, PA 17701 570-327-3636	**Northeast Region** 2 Public Square Wilkes-Barre, PA 18701-1915 570-826-2511
Southwest Region 400 Waterfront Drive Pittsburgh, PA 15222-4745 412-442-4000	**Southcentral Region** 909 Elmerton Avenue Harrisburg, PA 17110 717-705-4705	**Southeast Region** 2 East Main Street Norristown, PA 19401-4915 484-250-5900
For additional information on DEP regional offices, or to determine which regional office is responsible for the county in which a facility is located, please visit www.dep.pa.gov and search "Regional Resources."		