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## **BOILER INSTALLATION PROJECTS**

### **SCOPING CRITERIA FOR EXISTING OIL TANKS**

#### **DIVISION 22 – PLUMBING**

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This *Standard Notice* addresses the criteria to be followed on inclusion of the existing oil tanks (currently in service) in the replacement and new Boilers Installation contracts.

#### **INTRODUCTION**

. The following Code references apply:

- 2014 NYC Building Code §14, §16, §17, §21
- The New York City Fire Code (NYCFC) § 34
- New York State Department of Environmental Conservation’s Petroleum Bulk Storage Code, 6 NYCRR (New York Codes, Rules and Regulations)
- NYC Fuel Gas Code, Chapter 5 §503
- 2014 NYC Mechanical Code, Chapter 8 §810

Based on **The New York City Fire Code (NYCFC) Chapter 34, Flammable and Combustible Liquids** and **New York State Department of Environmental Conservation’s Petroleum Bulk Storage Code, 6 NYCRR (New York Codes, Rules and Regulations) parts 612, 613 and 614** the following are approaches to be taken in the design of mechanical systems (new installations or replacements) depending on the existing oil tank(s) condition:

**A. NEW BOILER REPLACEMENT PROJECTS (with dual fuel burners installation)**

(with existing fuel oil tanks replaced after 1990 with double wall construction, in good condition, and no records or evidence of spills associated with the tank system)

- Follow NYCFC Chapter 34, Sections 3404.2.13.1.2 to 3404.2.13.1.3 and 6 NYCRR, Section 613.9
- Continue the use of the existing tanks for oil fuel storage with dual fuel boiler systems
- Follow steps in option B if reuse of the tank is not feasible due to the new boiler location or configuration

**B. NEW BOILER REPLACEMENT PROJECTS (with dual fuel burners installation)**

(with existing fuel oil tanks with a single wall construction or at the end of the life expectancy with no evidence or records of oil spills)

- Follow NYCFC Chapter 34, Section 3404.2.13.1.2 to 3404.2.13.1.3 and 6 NYCRR, Section 613.9

- Replace the tank with new above or under ground tank  
Or
- Provide an option for mobile tank installation as required

**C. NEW BOILER REPLACEMENT PROJECTS (with dual fuel burners installation)**

(with existing fuel oil tanks replaced after 1990 with double wall construction tank, currently in good condition with evidence or records of oil spill)

1. Follow the NYCFC Chapter 34, Section 3404.2.13.1.2 and 6 NYCRR, Section 613.9

1. Record or evidence of surface oil spills

- NYCHA needs to report the leak to NYDEC within (2) hours using the hot line (518)-457-7362, and they will give direction what needs to be done.
- Removal and replacement of tank may not be required (need to be followed up with NYS DEC Spill Case Manager for direction\*).
- Tank system testing may be required to determine source of spill (testing to be conducted in accordance with Sections 3404.2.12.1 – 3404.2.12.3).
- Environmental cleanup and soil/groundwater remediation shall be done under NYS DEC regulation.

*\* DEC Spill Case Manager usually will provide a level of direction for cleanup or remediation on a case by case basis. The severity of the case is based on potential receptors, risk of contaminating aquifers or nearby water bodies. The Case Manager could request certain actions in order to establish corrective measures.*

2. Record or evidence of leaking tanks

- NYCHA needs to report the leak to NYDEC within (2) hours using the hot line (518)-457-7362, the direction what needs to be done will be given
- Temporarily decommission tank system for corrective action
- There is a (1) year period to remove the tank from the time the tank is filed as “TEMPORARY OUT-OF-SERVICE UNDERGROUND TANK“
- Tank system testing may be required to determine source of spill (testing to be conducted in accordance with Sections 3404.2.12.1 – 3404.2.12.3).
- If no corrective options, oil tank shall be replaced with new fuel oil tank placed above or below grade (with a removal or abandoning the existing leaking tank as per NYDEC regulations) in order to maintain dual fuel capability of boilers
- Environmental cleanup and soil/groundwater remediation shall be done under DEC direction

**D. FOR ONGOING BOILER REPLACEMENT CONSTRUCTION**

(with firm gas burner installation only, existing fuel oil tank in place and no record or evidence of oil spills)

- Oil tank shall be permanently decommissioned as per NYDEC regulations since it is permanently disconnected from the active use in heating systems

**E. FOR ONGOING BOILER REPLACEMENT CONSTRUCTION**

(with firm gas burner installation only, existing fuel oil tank in place and record or evidence of oil spills)

1. NYCHA needs to report the leak to NYDEC within (2) hours using the hot line (518)-457-7362, and they will provide direction what needs to be done.
2. Oil tank shall be permanently decommissioned as per NYDEC regulations since it is permanently disconnected from the active use in heating systems
3. There is a (1) year period to remove the tank from the time the tank is filed as "TEMPORARY OUT-OF-SERVICE UNDERGROUND TANK".
4. NYDEC might grant permission to keep the empty and cleaned tank more than one (1) year NYCHA does not have funds to do environmental cleanup and soil remediation immediately; it should be negotiated with the NYDEC
5. Environmental cleanup and soil/groundwater remediation shall to be done.

**\*\*\*End of Standard Notice CPDDESIGN2016004\*\*\***