



EMERGENCY AND STANDBY GENERATOR SYSTEM SUBMITTAL REQUIREMENTS

These guidelines are to be followed when a business, facility or organization proposes to install or modify an emergency and standby generator system within the Lake Cities Fire Department Jurisdiction. This document shall assist in the preparation of a submittal for permit. These guidelines are not to be interpreted as containing all data required for proper design, installation, or approval.

All emergency and standby generator systems for the purposes of this guideline and the requirements of the Fire Department shall conform to the current adopted International Fire Code, and amendments by Hickory Creek, Shady Shores, Lake Dallas, and Corinth.

This guide does not replace, nor supersede any codes and/or ordinances adopted by Hickory Creek, Shady Shores, Lake Dallas, Corinth.

INCOMPLETE PERMIT APPLICATIONS WILL NOT BE REVIEWED.

Installation Requirements

1. The fuel supply shall be dedicated to the generator and not used for any other purpose.
2. Aboveground or underground storage tanks that provide the fuel supply for a generator shall meet the respective guidelines for the installation and a separate permit is required. (See Above/Below Ground Fuel Tank Storage/Dispensing Including Temporary Tanks- Fuels & Gas Systems Submittal)
3. The prime mover shall meet the requirements of current NFPA 110 Edition.
4. A control panel shall be provided at an accessible location and shall provide provisions for full control of the generator and indicate any alarms or fault conditions.
5. Transfer switches shall be monitored.
6. Generators located within a building shall be in a two-hour fire rated room. No other equipment is allowed within this room.
7. Emergency lighting shall be provided when a generator is located within a building.
8. Outside installations and skid mounted generators shall be secured to the foundation. Generators shall be listed in accordance with UL 2200.
9. Ventilation for installations inside buildings shall be supplied from outside.
10. Generators shall be provided with a cooling system.
11. Fuel tanks and fuel supply piping shall be installed and maintained in accordance with NFPA 30, NFPA 37, NFPA 54 and/ or NFPA 58, as applicable to the installation.
12. A minimum 3 ft. clearance shall be maintained on all sides of the fuel supply and piping.
13. Condensate drain valve shall be provided on the exhaust piping or the exhaust shall be self-draining.
14. A 2-hour full-load test shall be required and witnessed by the Fire Code Official.
15. A minimum of one fire extinguisher shall be provided at the generator location.
16. Installations shall be kept free and clear of all combustible materials.
17. NO SMOKING signs, approved NFPA 704 hazard identification and fuel type signs shall be posted at the installation as necessary depending upon the specific installation.
18. The Fire Code Official may approve alternate methods and material as needed.

Submittal Requirements

Two set of plans and specifications will be submitted for review with the following information:

19. Plans shall be scaled to 1/8" = 1' (1/16" = 1' Acceptable for Large Buildings)
20. Indicate the generator type as either Level 1 or Level 2.
21. Indicate the energy source for the generator (LPG, Natural Gas, Diesel, Electric, etc.)
22. Provide a written description of the intent of the installation.
23. Site plan drawing of the site location and conditions, to include;
 - a. All buildings and structures.
 - b. Fire lanes and fire hydrants.
 - c. Location of the generator with regards to building façade and exits.
 - d. Location of the lot line and distance from the lot line.
24. Building construction drawings if located within the building, to include;
 - a. Construction of the room.
 - b. Intake and exhaust air locations of the generator.
 - c. Electrical and fuel supply piping.
25. Manufacturer's data sheets for the generator, transfer switches, controllers, and any other equipment associated with the generator installation.
26. Electrical on-line drawings and panel board schedules.
27. Indicate any batteries and battery chargers on the generator for the purposes of charge and/or starting.
28. Drawings shall be generated by the installing company specific to the removal operation. Drawings shall show plan view and other pertinent information.

General Requirements

29. Installation, fabrication or construction of the system is prohibited without approved plans and permit, may result in stop work order, permit revoked and or a citation issued for each violation.
30. Each submittal shall have a completed Plan Review Permit Application.
31. Plans approved by the Fire Code Official give authorization for construction. Final approvals are subject to field verification.

32. Approvals issued by the Fire Code Official does not release the contractor or property owner from the responsibility of full compliance with all applicable codes and ordinances relating to the construction project.

33. Any deviation from the approved plans shall require a resubmittal to the Fire Code Official.

34. All fire department inspection forms and permits shall be kept in a permit packet on the job site until final inspection.

Considerations

35. Omission of required information will delay the review process. Please ensure submitted plans fully address all applicable items.

36. Failure to obtain a permit, comply with safety criteria, or required conditions may result in stop work order, permit revoked and or a citation issued for each violation.

NOTE:

37. Re-inspection fee – If it does not meet the requirements or fails to operate, there may be a re-inspection fee.

The issuance of a Fire Department Construction Permit from the Lake Cities Fire Department does not relieve the applicant of any permits required by the Cities of Hickory Creek, Shady Shores, Lake Dallas, or Corinth Building Department.

Submit Plans To

Lake Cities Fire Department

3501 FM 2181 Suite B Corinth, TX 76210

Phone: 940-279-4590 Fax: 940-497-3455