



CITY OF HARAHAH

INSPECTION & CODE ENFORCEMENT DEPARTMENT

PERMITTING AND INSPECTION REQUIREMENTS FOR RESIDENTIAL EMERGENCY GENERATORS

The following documentation and information is required to obtain building permits for emergency/back-up generators for one and two family dwellings.

1. Current survey of property.
2. Plot plan showing setbacks from property lines. Generator must adhere to zoning and building code requirements. A variance from the Board of Adjustments is required before permitting, if the proposed generator has insufficient setback from property lines.
3. Generator must meet NFIP Flood Elevation requirements.

After a permit is issued, the following is required.

1. A Harahan Licensed electrician must file the job and obtain all required inspection approvals of all electrical installations.
2. A Harahan licensed plumber/gas fitter must file the job and obtain all required inspection approvals of all gas installations.
3. After approval of electrical and gas inspections, a final building inspection must be requested and approved. (Note: If an elevation certificate is required, it must be submitted to Code Enforcement before the final building inspection can be scheduled.)
4. The owner of the property must contact ATMOS and report that a generator is installed and the owner must follow ATMOS instructions.



CITY OF HARAHAH

CODE ENFORCEMENT DEPARTMENT

Requirements for permanently located and stationary generators (For One and Two Family Dwellings Only*)

***Generators located on commercial properties must be submitted for a full plan review by the Code Enforcement Department.**

Installation of permanently located and stationary natural gas single fuel generators, are required to be permitted by Harahan Code Enforcement. To obtain a permit all applications must undergo a review and approval process. The following code should be used as a guide to determine if an application should be permitted.

NFPA 37
Standard for the
Installation and Use of Stationary Combustion Engines and Gas Turbines
2006 Edition

Engines located on roofs or decks

4.1.3 Engines Located on Roofs.

4.1.3.1 Engines, and their weatherproof housings, if provided, that are installed on roofs of structures shall be located at least 1.5 m (5 ft) from openings in walls and at least 1.5 m (5 ft) from structures having combustible walls. A minimum separation shall not be required where the following conditions exist:

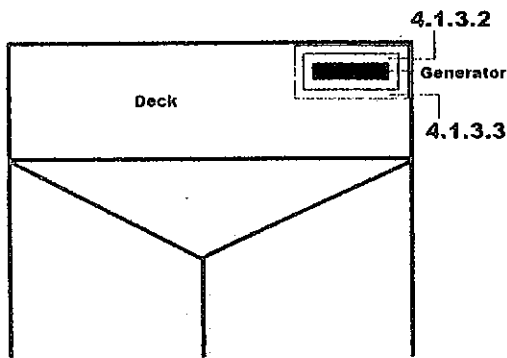
- (1) The adjacent wall of the structure has a fire resistance rating of at least 1 hour. **The proximity to walls of structures or any barrier affecting ventilation of the enclosure shall not be less than eighteen inches (18") or the manufacturer's recommendations, which ever is most restrictive.**

- (2)* The weatherproof enclosure is constructed of noncombustible materials and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure. **The proximity to walls of structures or any barrier affecting ventilation of the enclosure shall not be less than eighteen inches (18") or the manufacturer's recommendations, which ever is most restrictive**



4.1.3.2 An oil containment system consisting of a curb or dike having a capacity at least equal to the total capacity of the lubricating oil system or the liquid fuel system, whichever is greater, shall be provided.

4.1.3.3* The surface beneath the engine and beyond the engine and the oil containment dike shall be noncombustible to a minimum distance of 300 mm (12 in.).



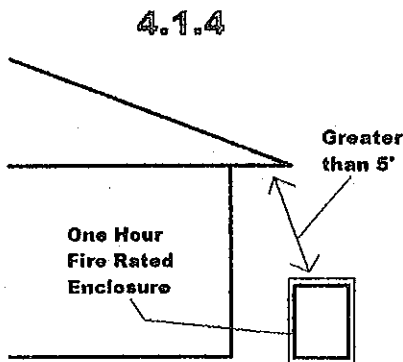
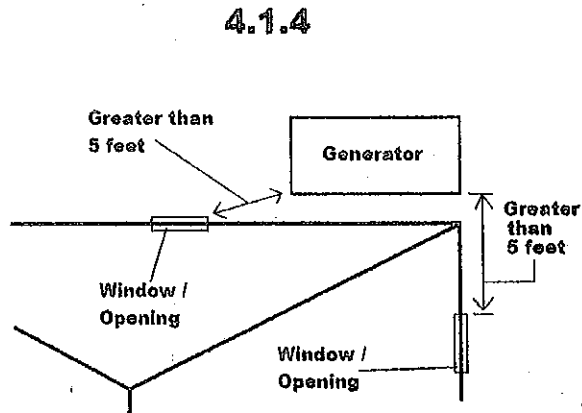
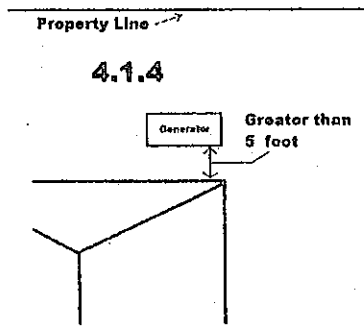
Generators located outdoors shall maintain a five feet (5') clearance from structures having combustible walls or openings (doors and windows) in walls. (For the purpose of this section a combustible wall is considered to be those walls having a fire rating of less than 1 hour).



Engines located Outdoors.

4.1.4 Engines Located Outdoors.

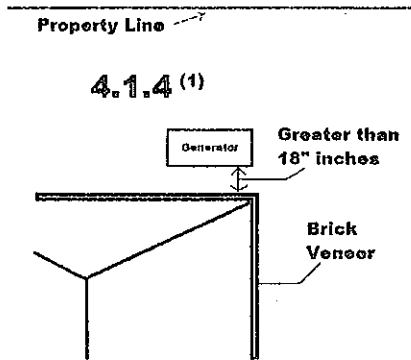
4.1.4 Engines Located Outdoors. Engines, and their weatherproof housings if provided, that are installed outdoors shall be located at least 1.5 m (5 ft) from openings in walls and at least 1.5 m (5 ft) from structures having combustable walls.



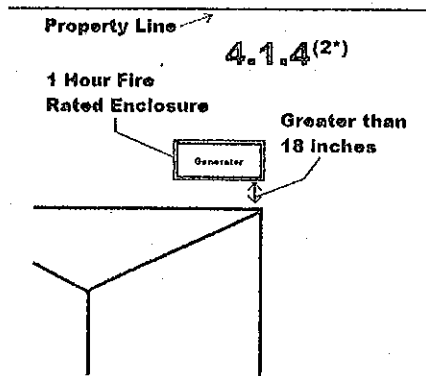


A minimum separation shall not be required where the following conditions exist:

- (1) The adjacent wall of the structure has a fire resistance rating of at least 1 hour. In some applications certification from a design professional (state licensed architect or engineer) may be required to satisfy the rating of the wall system. The proximity to walls of structures or any barrier affecting ventilation of the enclosure shall not be less than eighteen inches (18") from any part of the enclosure or in accordance with the manufacturer's recommendations, which ever is most restrictive.



- (2)* The weatherproof enclosure is constructed of noncombustible materials and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure. Documentation, which illustrates the rating of the model enclosure being installed, shall be submitted for fire department review. The proximity to walls of structures or any barrier affecting ventilation of the enclosure shall not be less than eighteen inches (18") from any part of the enclosure or in accordance with the manufacturer's recommendations, which ever is most restrictive.

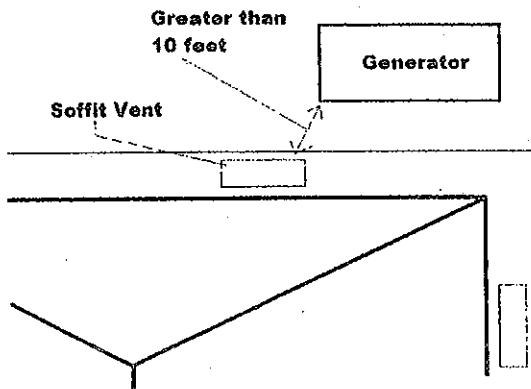




4.2 Foundations.

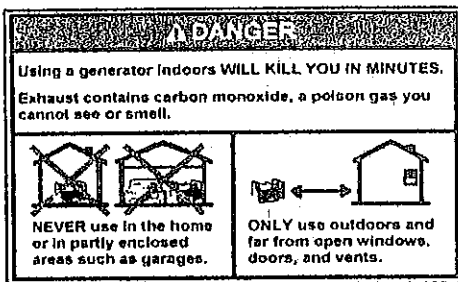
Engines shall be supported on foundations or secured to a noncombustible framework.
Generators located on elevated framework shall adhere to 4.1.3.3 above.

***Generators in close proximity to structures shall be located a minimum distance of ten feet (10') to eave vents.**



Installations of generators, although located outdoors, may produce harmful exhaust gases. Should a generator be installed in a manner that allows an accumulation of exhaust gases in proximity to places where persons or pets occupy or reside may cause injury or death.

Warning required on portable generators by the US Consumer Products Safety Commission.



Example of a warning for portable generators

Nothing in this document is intended to prevent the use of systems, methods, or devices of equivalent or superior quality, strength, fire resistance, effectiveness, durability, and safety to those prescribed by this document, provided technical documentation is submitted to the authority having jurisdiction to demonstrate equivalency, and the system, method, or device is approved for the intended purpose.

Any generator which is fueled by either gasoline or diesel must comply with the requirements found in NFPA 30 for the storage and use of flammable and combustible liquids.

Any generator which is fueled by LPG must comply with the requirements found in NFPA 58 for the storage and use of liquefied petroleum gas.