



# DQA CODE QUESTION AND ANSWER

## Q&A 110-1 Generator Remote Stop Location

This response is issued to provide general guidance to designers, facilities, and DQA regulators in Wisconsin. Individual situations may be considered, so contact the assigned DQA regulator. DQA reserves the right to revise any and all responses since the codes, standards, and conditions used to formulate this answer are subject to change. Nothing in this response can be construed as a waiver or variance. This response does not supersede or waive plan review authority.

### 1. Question

Where is the correct location for the emergency generator remote manual stop station?

### 2. Code Quotation

NFPA 110 (1999 edition) 3-5.5.6

All Level 1 and 2 installations shall have a remote manual stop station of a type similar to a break-glass station located outside the room housing the prime mover, where so installed, or located elsewhere on the premises where the prime mover is located outside the building.

Appendix A: For Level 1 and 2 systems located outdoors, the manual shutdown should be located external to the weatherproof enclosure and should be properly identified.

NFPA 110 (2010 edition) 5.6.5.6

All installation shall have a remote manual stop station of a type to prevent inadvertent or unintentional operation located outside the room housing the prime mover, where so installed, or elsewhere on the premises where the prime mover is located outside the building.

Appendix A: For systems located outdoors, the manual shutdown should be located external to the weatherproof enclosure and should be properly identified.

### 3. Response

- a. A "break-glass station" is not defined in the 1999 edition of NFPA 110, but, based on the information contained in the 2010 edition, is interpreted to be a switch that requires two actions to reduce the chance of accidental and unauthorized operation.
- b. "Remote" location means that it shall be located remote from the generator, so it is protected from the impact of adverse generator conditions. The owner and designer determine the location. For example:
  - 1.) For generators located within a building, the remote stop station must be located in a different room than the generator and be separated by a wall and door.
  - 2.) For generators located outside, the remote stop station must be located anywhere outside of the generator enclosure.
- c. The code does not limit the quantity of remote stop stations to one. Multiple remote stop stations may be provided, but at least one must satisfy the minimum requirements of the code.
- d. If there are multiple generators, the designer may consider one remote stop station that affects all generators simultaneously.

### 4. Factors

These are not code requirements. The manual remote stop station may be located at the door to enter the room housing the prime mover, including a corridor accessible by the public, or in an adjacent room. If the location is accessible to facility staff, only the remote stop would not need to be a "break-glass" type. If generator synchronizing switchgear is part of the system, the remote stop station may be located on the switchgear as a dedicated stop station. When the remote stop station is not located immediately outside the emergency generator room, a placard should be installed to indicate where the remote stop station is located. Owners should require that their staff know the location of the remote stop station(s).

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### 5. DQA Final Action

**DQA Fire Authority Approval:** David Soens

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