

Owner / Applicant Information

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Project Information

Rolls Royce Plant 8 Powerhouse Elec. Fire Pump
2001 S. Tibbs

Indianapolis IN

County MARION

Project Type New Addition Alteration Existing Change of Occupancy

Project Status U F=Filed U or Null=Unfiled

IDHS Issued Correction order? Has Violation been Issued?

Violation Issued by: NA

Local Building Official

Phone: Email:

Local Fire Official

Phone: Email:

Variance Details

Code Name: 2009 Indiana Electrical Code (675 IAC 17-1.8)
695.6(B)

Conditions: The project involves the replacement of the existing fire pump and fire pump controller. The new power feed for the new fire pump will not be encased by a minimum 2 inches of concrete or be protected by a 2-hour rated assembly, as required by code.

DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE ARE PROTECTED:

1=Non-compliance with the rule will not be adverse to the public health, safety or w

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2= Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts: 1. The code requirement for the power feed to be protected is to resist potential damage. The fire pump, fire pump controller, disconnect switch, and substation are all located in the power house, which is a stand alone secured building.
2. Randy Gulley, the local fire official, is not opposed to the variance.

DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE:

Y Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.

Y Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.

Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.

Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure

Facts: The project involves the replacement of existing equipment. The power feed is in the same building as the fire pump, therefore encasing it by a minimum 2 inches of concrete or protecting it by a 2-hour rated assembly will not likely minimize the chance of potential damage to the fire pump.

Variance Details

Code Name: 2009 Indiana Electrical Code (675 IAC 17-1.8)
695.3(A)(1)

Conditions:

The project involves the replacement of the existing fire pump and fire pump controller. The power for the new fire pump goes from the existing substation to a new disconnect switch, then to the new fire pump controller and then to the new fire pump. The fire pump is located within the service disconnecting means which is not permitted by code.
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DEMONSTRATION THAT PUBLIC HEALTH, SAFETY, AND WELFARE ARE PROTECTED:

- 1=Non-compliance with the rule will not be adverse to the public health, safety or welfare.
- 1
- 2= Applicant will undertake alternative actions in lieu of compliance with the rule to ensure that granting of the variance will not be adverse to public health, safety, or welfare. Explain why alternative actions would be adequate (be specific).

Facts:

1. The code requirement is to ensure that the fire pump will not be accidentally disconnected. The fire pump, fire pump controller, disconnect switch, and substation are all located in the power house, which is a stand alone secured building, therefore there is not a concern that the fire pump could be accidentally disconnected.
2. The proposed project improves upon the existing condition.
3. Randy Gulley, the local fire official, is not opposed to the variance.

DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE:

- Y Imposition of the rule would result in an undue hardship (unusual difficulty) because of physical limitations of the construction site or its utility services.
- Y Imposition of the rule would result in an undue hardship (unusual difficulty) because of major operational problems in the use of the building or structure.
- Imposition of the rule would result in an undue hardship (unusual difficulty) because of excessive costs of additional or altered construction elements.
- Imposition of the rule would prevent the preservation of an architecturally or a historically significant part of the building or structure

Facts:

The project involves the replacement of existing equipment. The proposed project improves upon the existing conditions. The disconnect is in the same building as the fire pump and substation, which is secured, so there is not a concern that the fire pump could be accidentally disconnected which is the intent of the code requirement.
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