Owner / Applicant Information

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Submitter Information

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Project Information

#3 SP BOF Passenger Elevator
3210 Watling Street

East Chicago IN 46312

County LAKE

Project Type New [ ] Addition [ ] Alteration [Y] Existing [ ] Change of Occupancy [ ]

Project Status [U] F=Filed U or Null=Unfiled

IDHS Issued Correction order? [No] Has Violation been Issued? [No]

Violation Issued by: NA

Local Building Official

Phone: 2193918294 Email: jportalatin@eastchicago.com

Local Fire Official

Phone: 2193918294 Email: rbergren@eastchicago.com

Variance Details

Code Name: 2007 ASME A17.1

675 IAC21-3 A17.1 2.27.3.2.1

Conditions: A17.1 2007 8.7.2.27.4 variance of A17.1 2007 2.27.3.2 phase 1 smoke detection initiating device.

Due to the environment of the BOF shop which has frequent presences of heat, smoke, and dust etc...Elevator is used to tranfer metals. A initiating device is not practical to be installed for this elevator.

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

[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: The BOF Produces molten steel, the by product of the processes to make such molten steel is heat, smoke, and dust.

This facility is closed to the public as it is a manufacturing facility with access granted to Cliffs employees and authorized contractors.

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.

[Y] 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: Due to the processes at the BOF Cliffs is not able to mitigate high heat, smoke and dust to accommodate smoke detection means for phase 1 recall. It has been come practice in the past for a smoke detection variance by the commission due to these facts.