Owner / Applicant Information

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Submitter Information

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Project Information

South Zapper
3005 Commercial Rd

Fort Wayne IN 46809

County ALLEN

Project Type New [ ] Addition [ ] Alteration [Y] Existing [Y] 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: 2604497224 Email: joseph.hutter@co.allen.in.us

Local Fire Official

Phone: 2604497224 Email: ERIC.LAHEY@CITYOFFORTWAYNE.ORG

Variance Details

Code Name: Other Code (Not in the list provided)

675 lAC 30-1-1

Conditions:

675 lAC 30-1-1

National Board Inspection Code 2023 (NBIC) Parts 1, 2, 3, 4
On our application the code we referenced was NBIC 2023 Part #3 ¿ Section 3
Section 3.2.1 (a, b)
Section 3.2.2 (a, b, d, e)
Section 3.2.3
Section 3.3.2 (a)
Section 3.3.3 (m, r, s)

This project does not have a compliance issue.
FXl the owner is requesting the wear plates to be replaced and secured down differently.
The current vessel has existing wear plates bolted down inside the vessel. We will be unbolting them and removing them.
We will be welding in the threaded holes. We will then have the welds mag particle tested.
Then we will be installing new A36 steel plates, the new plates will be welded down around the perimeter 100%.

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 existing wear plates are bolted down.
The new wear plates will be welded down 100% around the perimeter.
Either method of securing plates down is safe and will not be adverse to public health, safety or welfare

DEMONSTRATION OF UNDUE HARDSHIP OR HISTORICALLY SIGNIFICANT STRUCTURE:

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

[ ] 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:

The South Zapper is a vital piece of equipment in our plants process. When it is down it affects the majority of our plants production schedules and financially impacts the company.
With the wear plates being bolted down it causes down time on this machine.
That is the purpose of replacing them with new ones and welding them down 100% around the perimeter.

Completing this ($55,750.00) repair will save the company the hardship outlined below.

Here are the estimated hardship costs due to the current condition of the existing chamber:

1.) Annual Customer Returns due to specific defect caused by warped chamber plates: $60,000
2.) Annual cost for labor to repair chamber plates: $10,000
3.) Annual revenue lost due to lost production time: $60,000