Owner / Applicant Information

Duke Energy Cayuga Generating Station

3300 N STATE RD 63

CAYUGA IN 47928

Phone 7654924657

Email ANDREW.WOESTMAN@DUKE-ENERGY.COM

Submitter Information

Nestor Rodriguez
Alimak Hek Inc.
25 Brook Street Suite 200

Shelton IN

Phone 2035133170

Email nestor.rodriguez@alimakhek.com

Project Information

Cayuga Elevator Installation
3300 N State Rd 63

Cayuga CT

County VERMILLION

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

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

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

Violation Issued by: NA

Local Building Official

Phone: [7654927628] Email: [tshoaff@dhs.in.gov]

Local Fire Official

Phone: [7654927628] Email: [tjwilson56@yahoo.com]

Variance Details

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

ASME A17.1-2007 5.7.12.2

Conditions: The elevator meets all other requirements of the applicable elevator code ASME A17.1-2013 Part 4.1 and exceeds the requirements for
rack & pinion type special purpose personnel elevators as seen in ASME A17.1-2013 Part 5.7, which is it's intended use and design and similar to units which have been allowed at these industrial type sites.

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 proposed elevator will have a platform area of 43.6 ft² and capacity of 4400 lbs., which exceeds the code allowed 13 ft² and 1000 lbs. The unit is within the permitted speed and the load is based on a design of 137 lbs/ft², which exceeds the code allowed minimum of 70 lbs/ft². The elevator is not for general public use and is accessed only by authorized plant personnel who need the additional size and capacity for tools and equipment used in the routine inspection and maintenance of the plant. The Industrial elevator will service 3 landings in a travel distance of 143¿-6 3/4¿ and is located on the exterior of a structure in an open hoistway with no penetrations of fire rated floors or walls.

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.

[ ] 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 elevator will be outdoors, therefore fire/heat detection would be unnecessary because of the outdoor environment.