

Owner / Applicant Information

Richard Miller  
Indiana American Water - Richmond  
153 NORTH EMERSON AVENUE

GREENWOOD IN 46143

Phone 3178852439

Email RICHARD.H.MILLER@AMWATER.COM

Submitter Information

Christina RTM Consultants Colleser  
RTM Consultants  
6640 Parkdale Place

Indianapolis IN

Phone 3173297700

Email colleser@rtmconsultants.com

Designer Information

Zheng-Ming Wang  
Hazen and Sawyer  
4011 WestChase Blvd

Raleigh NC

Phone 9197558568

Email mwang@hazenandsawyer.com

Project Information

Middle Fork WTP Improvements  
1730 Sylvan Nook Drive

RICHMOND IN 47374

County WAYNE

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:

Email:

Local Fire Official

Phone:

Email:

### Variance Details

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

2014 IBC 903.2.5.1

Conditions: Sprinklers will not be provided in a water treatment building classified as a B, F-2 and H-4 Occupancy. Buildings that exceed the maximum allowable quantity of materials that are health hazards are classified as an H-4 Occupancy. The building will store Sodium Hypochlorite, Sodium Hydroxide, Ferric chloride, Sodium permanganate, Hydrofluosilicic acid and other toxic/corrosive liquid as attached, which are used in the water treatment process at the facility.

#### 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

☐ 2

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 two story building is Type II-B construction. The H-4 occupancy occurs in a portion of the building that is a single story. The area of the building does not exceed the non-The chemical rooms are separated from the remainder of the structure by 3 hr fire walls.sprinklered allowable area for the F-2 and B occupancies.

The chemicals are non-combustible. No combustibles are stored in the H-4 occupancy.

#### 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 hardship is the cost of installing and maintaining an automatic sprinkler protection in a building without a fire hazard. The Indiana deleted exception 4 to section 903.3.1.1.1 in the model code would permit the elimination of the sprinkler systems for these non-combustible rooms. In this case, the sprinkler system would not add any benefit to safety.