



Inspection Notice Report

Hazardous Materials

CodePal Fire Dept. (Station #1)
4109 Wood Duck Drive
Springfield, IL 62711
Phone: 217-787-1133
Fax: 217-787-1171

Activity Date: 7/8/2008 12:00:00AM
Activity Number: I-CD-08-0002
Activity Cause: Periodic
Inspector Name: Charlie Daniels
Inspector Phone:

Party:

Monday Properties
(9446.G)
9446 Raymond Ave Building G
Oak Lawn, IL 60453
(217) 328-0000

Occupancy Type: Business
Property Use: Gas Station
Total Violation: 1
Hours: 1.00

YOU ARE HEREBY NOTIFIED that this is an official Annual Fire Inspection Report of the CodePal Fire Department, in accordance with NFPA Fire Codes, stating that the defects found to exist in the herein referenced structure or building, and further requiring that you as owner, agent, or person in control of said structure of building have 30 days to complete the specified repairs or improvements. If corrections are not completed within the time set above, both this Report and a Supplemental Report detailing the failure to comply with codes will be provided to the licensing department which requested this inspection.

Documentation

- MSDS on site?
Ref. Number: NFPA 1 (2006) 60.1.2.5.3 Material Safety Dat...
- Are provisions made for controlling and mitigating unauthorized discharges?
Ref. Number: NFPA 1 (2006) 60.1.2.6.2 Control and Mitigat...
- Accurate records of the unauthorized discharge of hazardous materials shall be kept by the permittee.
Ref. Number: NFPA 1 (2006) 60.1.2.6.3 Records of Unauthor...

Control Areas

- Control areas shall be those spaces within a building where quantities of hazardous contents not exceeding the maximum quantities allowed by this Code are stored, dispensed, used, or handled.
Pass
- Control areas shall be separated from each other by fire barriers in accordance with Table 60.2.4.1.1.
Pass
- Where only one control area is present in a building, no special construction provisions shall be required.
Pass
- A single outdoor control area shall be permitted on any property where the conditions of 60.1.2.21 can be satisfied.
Pass
- Where weather protection is provided as a basis for complying with this Code, the weather protection structure shall comply with 60.2.2.2.1.
Pass
- Secondary containment shall be achieved by means of drainage control where required by Chapter 66.
Pass
- Where incompatible materials are present in open containers or systems, such materials shall be separated from each other in the secondary containment system.
Pass

8. Secondary containment for indoor storage areas shall be designed to contain a spill from the largest vessel plus the design flow volume of fire protection water calculated to discharge from the fire-extinguishing system over the minimum required system design area, or area of the room or area in which the storage is located, whichever is smaller, for a period of 20 minutes.
Pass

9. Where secondary containment is subject to the intrusion of water, a monitoring method for detecting water shall be provided.
Pass

10. Controls shall be designed to prevent materials from entering or leaving process or reaction systems at other than the intended time, rate, or path.
Pass

11. Where automatic controls are provided, they shall be designed to be fail-safe.
Pass

12. Approved containers shall be used where liquids are dispensed from containers.
Pass

13. Explosion control shall be provided in accordance with 60.3.2.6 where an explosive environment can occur because of the characteristics or nature of the hazardous materials dispensed or used, or as a result of the dispensing or use process.
Pass

14. In addition to the requirements of 60.3.2.1, laboratory fume hoods and spray booths where flammable materials are dispensed or used shall be protected by an automatic fire-extinguishing system.
Pass

15. Explosion control shall be provided in accordance with 60.3.2.6 where an explosive environment can occur because of the characteristics or nature of the hazardous materials dispensed or used, or as a result of the dispensing or use process, unless process vessels comply with 60.4.10.2.4.2.
Pass

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Control Areas

16. Where process vessels are designed to fully contain the worst case explosion anticipated within the vessel under process conditions considering the most likely failure, additional explosion control shall not be required.

Pass

17. Buildings or portions thereof where hazardous materials liquids are used in individual closed vessels exceeding a 55 gal (208.2 L) capacity shall be provided with spill control in accordance with 60.3.2.8.2 through 60.3.2.8.2.4 to prevent the flow of liquids to adjoining areas.

Pass

18. Outdoor dispensing and use areas shall be located as required for outdoor storage of hazardous materials in quantities exceeding the maximum allowable quantity permitted in control areas.

Pass

19. The area surrounding an outdoor dispensing or use area shall be kept clear of combustible materials and vegetation for a minimum distance of 30 ft (9.1 m).

Pass

20. Outdoor areas where hazardous materials liquids are used in individual closed vessels exceeding a 55 gal (208 L) capacity shall be provided with spill control in accordance with 60.3.2.8.2 through 60.3.2.8.2.4 to prevent the flow of liquids to adjoining areas.

Pass

21. Outdoor dispensing and use areas shall be located as required for outdoor storage of hazardous materials in quantities exceeding the maximum allowable quantity permitted in control areas.

Pass

22. The area surrounding an outdoor dispensing or use area shall be kept clear of combustible materials and vegetation for a minimum distance of 30 ft (9.1 m).

Pass

Dispensing

1. Indoor dispensing and use areas shall be provided with exhaust ventilation in accordance with 60.3.2.5.

Pass

2. Dispensing and use of hazardous materials in open containers or systems in amounts exceeding the maximum allowable quantity limits for control areas specified in Section 60.2 shall be in accordance with 60.4.10.1.2 through 60.4.10.1.5.2.2.

Pass

3. Where liquids or solids having a hazard ranking of 3 or 4 in accordance with NFPA 704 are dispensed or used, mechanical exhaust ventilation shall be provided to capture fumes, mists, or vapors at the point of generation, unless such liquids or solids can be demonstrated as not creating harmful fumes, mists, or vapors.

Pass

4. In addition to the requirements of 60.3.2.1, laboratory fume hoods and spray booths where flammable materials are dispensed or used shall be protected by an automatic fire-extinguishing system.

Pass

Buildings

1. Buildings, and portions thereof, where high hazard contents are stored, used, or handled shall comply with the protection levels as set forth in Section 60.3.

Pass

2. Buildings, or portions thereof, required to comply with Protection Level 1 through Protection Level 5 shall be protected by an approved automatic fire sprinkler system complying with Section 13.3.

Pass

3. The height of a singlestory building, or portion thereof, containing only tanks or industrial process equipment shall not be limited based on the type of construction.

Pass

4. Buildings, or portions thereof, required to comply with Protection Level 1 through Protection Level 3 and containing materials shown in Table 60.3.2.6 shall be provided with a means of explosion control.

Pass

5. Buildings, or portions thereof, required to comply with Protection Level 1 through Protection Level 5 shall be provided with spill control and secondary containment in accordance with 60.3.2.8.2 and 60.3.2.8.3, except for outdoor storage on containment pallets complying with 60.3.2.10.

Pass

6. Except for surfacing, the floors, sills, dikes, sumps, and collection systems shall be constructed of noncombustible material, and the liquid-tight seal shall be compatible with the material stored.

Pass

7. Where liquid-tight sills or dikes are provided, they shall not be required at perimeter openings that are provided with an open-grate trench across the opening that connects to an approved collection system.

Pass

8. Buildings, or portions thereof, containing only hazardous materials in listed secondary containment tanks or systems shall not be required to comply with 60.3.2.8.3.1.

Pass

9. Buildings, or portions thereof, containing only flammable solids, explosive solids, or corrosive solids shall not be required to comply with 60.3.2.8.3.1.

Pass

10. Floors in storage areas for organic peroxides, oxidizers, pyrophoric materials, unstable (reactive) materials, water-reactive solids and liquids, corrosive materials, and toxic and highly toxic materials shall be of liquid-tight, noncombustible construction.

Pass

11. Buildings, or portions thereof, required to comply with Protection Level 1 shall comply with 60.3.2, 60.3.3.2, and the building code.

Pass

12. Buildings required to comply with Protection Level 1 shall be used for no other purpose, shall not exceed one story in height, and shall be without basements, crawl spaces, or other under-floor spaces.

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Buildings

13. Roofs of buildings described in 60.3.3.2.1 shall be of lightweight construction with suitable thermal insulation to prevent sensitive material from reaching its decomposition temperature.

Pass

14. Buildings required to comply with both Protection Level 1 and Protection Level 4 shall comply with the most restrictive requirements for both protection levels.

Pass

15. Except for surfacing, floors of areas where liquid or solid hazardous materials are dispensed or used in open systems shall be of noncombustible, liquidtight construction.

Pass

16. Where nationally recognized good practices or standards have been established for the processes employed, they shall be followed in the design.

Pass

Egress

1. Does egress comply with appropriate protection level?

Ref. Number: NFPA 1 (2006) 60.3.2.4 Egress....

2. Is travel distance to egress appropriate?

Ref. Number: NFPA 1 (2006) 60.3.2.4.4 Dead Ends....

3. Does the egress capacity comply with appropriate rating?

Ref. Number: NFPA 1 (2006) 60.3.2.4.2 Capacity of Means o...

4. Are there at least two means of egress?

Ref. Number: NFPA 1 (2006) 60.3.2.4.3 Number of Means of ...

5. Do all corridors have an appropriate means of egress?

Ref. Number: NFPA 1 (2006) 60.3.2.4.4 Dead Ends....

6. Do locks and latches comply with egress specifications for high hazard facilities?

Ref. Number: NFPA 1 (2006) 60.3.2.4.5 Doors....

Electrical

1. Electrical wiring and equipment shall be installed in accordance with Section 11.1.

Pass

2. When processes or conditions exist where a flammable mixture could be ignited by static electricity, means shall be provided to prevent the accumulation of a static charge.

Pass

3. Standby or emergency power shall be provided in accordance with 60.3.2.7.

Pass

4. Limit controls shall be provided in accordance with 60.4.4 through 60.4.4.4.

Pass

5. Lighting by natural or artificial means shall be provided, and artificial lighting, where provided, shall be in accordance with nationally recognized standards.

Pass

Fire Detection

1. Required detection and alarm systems that are defective shall be replaced or repaired.

Pass

General

1. Defective containers, cylinders, and tanks shall be removed from service, repaired, or disposed of in an approved manner.

Pass

2. Defective equipment or machinery shall be removed from service and repaired or replaced.

Pass

Machinery

1. Machinery and equipment utilizing hazardous materials in areas subject to seismic activity shall be seismically anchored in accordance with the building code.

Pass

2. Equipment, machinery, and required detection and alarm systems associated with hazardous materials shall be maintained in an operable condition.

Pass

Monitoring

1. Electronic supervision of supervisory signals shall be provided in accordance with Section 13.3.

Pass

2. Waterflow alarms shall be monitored in accordance with Section 13.3.

Pass

3. Rooms or areas that are of noncombustible construction with wholly noncombustible contents shall not be required to comply with 60.3.2.1.

Pass

4. Portable magazines not exceeding 120 ft² (11.2 m²) constructed in accordance with NFPA 495 shall not be required to comply with 60.3.2.1.

Pass

5. A monitoring method shall be provided to detect hazardous materials in the secondary containment system.

Pass

6. The monitoring method shall be permitted to be visual inspection of the primary or secondary containment, or other approved means.

Pass

7. Where monitoring devices are provided, they shall be connected to distinct visual or audible alarms.

Pass

8. Supervision of alarm, detection and extinguishing systems shall be provided in accordance with 60.3.4.

Pass

Shelving

1. Shelving shall be of substantial construction and adequately braced and anchored.

Pass

2. Shelf storage of hazardous materials shall be maintained in an orderly manner.

Pass

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Signage

1. Are signs durable, and the size, color, and lettering of signs in accordance with nationally recognized standards?

Pass

2. Are signs made in English as the primary language or in symbols?

Pass

3. Signs shall not be obscured or removed.

Pass

4. Individual containers, cartons, or packages shall be conspicuously marked or labeled in accordance with nationally recognized standards.

Pass

5. Rooms or cabinets containing compressed gases shall be conspicuously labeled as follows: COMPRESSED GAS.

Pass

Storage

1. The storage, dispensing, use, and handling areas shall be secured against unauthorized entry and safeguarded with such protective facilities as public safety requires.

Pass

2. Guard posts or other approved means shall be provided to protect the following areas where subject to vehicular damage.

N/A

3. Materials that are sensitive to light shall be stored in containers designed to protect them from such exposure.

Pass

4. Materials that are shock sensitive shall be padded, suspended, or otherwise protected against accidental dislodgement and dislodgement during seismic activity.

Pass

5. Incompatible materials in storage and storage of materials incompatible with materials in use shall be separated when the stored materials are in containers having a capacity of more than 5 lb (2.268 kg) or 1/2 gal (1.89 L).

Pass

6. Materials that are incompatible shall not be stored within the same cabinet or enclosure.

Pass

7. Where they are required by this Code, hazardous materials storage cabinets shall comply with 60.1.2.23.

Pass

8. The area surrounding outdoor storage areas or tanks shall be kept clear of combustible materials and vegetation for a minimum distance of 30 ft (9.1 m).

Pass

9. Maximum allowable quantities of hazardous materials per control area shall be as specified in Table 60.1.3.1, except as modified by 60.1.3.2 and 60.1.3.3.

Pass

10. The separation of areas containing high hazard contents from each other and from other use areas shall be as required by Table 60.3.2.3 and shall not be permitted to be reduced with the installation of fire protection systems as required by 60.3.2.1.

Pass

Tanks

1. Process tanks and equipment, which involve temperature control of the material to prevent a hazardous reaction shall be provided with limit controls to maintain the temperature within a safe range.

Pass

2. Stationary tanks and equipment containing hazardous materials liquids that can generate pressure exceeding design limits due to exposure fires or internal reaction shall have a form of construction or other approved means that relieves excessive internal pressure.

Pass

3. The means of pressure relief shall vent to an approved location or to an exhaust scrubber or treatment system where required by NFPA 55.

Pass

4. Open tanks in which hazardous materials are used shall be equipped with a liquid level limit control or other means to prevent overfilling of the tank.

Pass

5. Open tanks and containers in which hazardous materials are heated shall be equipped with approved automatic shutoff controls, which will sense low liquid levels and shut off the source of heat.

Pass

Ventilation

1. Buildings, or portions thereof, in which explosive, flammable, combustible, corrosive, or highly toxic dusts, mists, fumes, vapors, or gases are, or might be, emitted shall be provided with mechanical exhaust ventilation or natural ventilation where natural ventilation can be shown to be acceptable for the materials as stored.

Pass

2. Mechanical exhaust systems shall comply with the mechanical code.

Pass

3. Mechanical ventilation shall be at a rate of not less than 1 ft³/min/ft² (5.1 L/s/m²) of floor area over areas required to comply with Protection Level 1 through Protection Level 5.

Pass

4. Areas containing Class I liquids or Class II liquids at temperatures above their flash points, or Class IIIA liquids at temperatures above their flash points, shall be ventilated at a rate sufficient to maintain the concentration of vapors within the area at or below 25 percent of the lower explosive limit.

Pass

5. Ventilation requirements shall be determined by calculations based on anticipated fugitive emissions or by sampling of the actual vapor concentration levels under normal operating conditions.

Pass

6. Make-up air shall be provided, and provision shall be made for locating make-up air openings to avoid shortcircuiting the ventilation.

Pass

7. Ducts conveying explosives or flammable vapors, fumes, or dusts shall extend directly to the exterior of the building without entering other spaces.

Pass

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Ventilation

8. Exhaust ducts shall not extend into or through ducts and plenums.

Pass

9. Ducts conveying vapor or fumes having flammable constituents less than 25 percent of their lower flammability limit shall be permitted to pass through other spaces.

Pass

10. Emissions generated at work stations shall be confined to the area in which they are generated as specified in the mechanical code.

Pass

11. The location of supply and exhaust openings shall be in accordance with the mechanical code.

Pass

12. Exhaust air contaminated by highly toxic material shall be treated where required by this Code.

Pass

13. Systems shall operate continuously unless alternate designs are approved.

Pass

14. A manual shutoff control for ventilation equipment required by 60.3.2.5 shall be provided outside the room adjacent to the principal access door to the room.

Pass

15. Exhaust ventilation shall be arranged to consider the density of the potential fumes or vapors released.

Pass

16. For fumes or vapors that are heavier than air, exhaust shall be taken from a point within 12 in. (305 mm) of the floor.

Pass

17. The location of both the exhaust and inlet air openings shall be arranged to provide air movement across all portions of the floor or room to prevent the accumulation of vapors.

Pass

18. Exhaust ventilation shall not be recirculated within the room or building if the materials stored are capable of emitting hazardous vapors.

Pass

19. Recirculation shall be permitted where it is monitored continuously using a fail-safe system that is designed to automatically sound an alarm, stop recirculation, and provide full exhaust to the outside in the event that vapor-air mixtures in concentrations over one-fourth of the lower flammable limit are detected.

Pass

20. Where mechanical ventilation, treatment systems, temperature control, alarm, detection, or other electrically operated safety systems are required by this Code or the building code, such systems shall be provided with standby power or emergency power as required by 60.3.2.7.

Pass

21. Standby power for mechanical ventilation, exhaust treatment, and temperature control systems shall not be required where such systems are engineered and approved as fail-safe.

Pass

22. The secondary source of power shall be an approved means of legally required standby power in accordance with NFPA 70, except for areas containing highly toxic or toxic gases, where a legally required emergency power system in accordance with Section 11.7 and NFPA 55, shall be provided to operate safety systems required by this Code.

Pass

23. Exhaust ventilation required by 60.4.2.1 shall not be required for dispensing and use of flammable solids other than those with finely divided particles.

Fail

Replace exhaust fan in storage room.

Violation

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1 Ref. Number: NFPA 1 (2003) 60.4.2.1 Ventilation. General.

Except as specified in 60.4.2.2, buildings or portions thereof in which explosive, flammable, combustible, corrosive or highly toxic dusts, mists, fumes, vapors, or gases are or could be emitted shall be provided with mechanical exhaust ventilation or natural ventilation, where natural ventilation can be shown to be acceptable for the materials as stored.

Comment: Exhaust fan in storage room is not functioning.

Pre-existing Violation

No Pre-existing Outstanding Violation

Comments:

Thank you for your cooperation.

Re-Inspection to be performed on or before:

July 8, 2008 12:00 am



Sign Here