

# **FIRE SAFETY INSPECTION REPORT**

**A-ONE POLAR LIMITED**  
**VULTA, RUPGONJ**

**OTHER FACTORIES: NONE**



**ACCORD**  
on Fire and Building Safety in Bangladesh



June 3, 2014

## **SUMMARY**

**A-One Polar Limited was surveyed for fire safety on 6/3/2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.**

**The purpose of this survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The inspection did not include identification of minor deficiencies, which will be further addressed as part of follow-up inspections.**

**Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue.**

**An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the Accord for approval.**

**Table 1. Findings And Recommendations**

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The 2-story warehouse was non-separated from all areas of the building on both floors due to unprotected window, door and vent openings.	Either remove combustible storage from warehouse area, or provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months



F-2	Fire Rated Construction	<p>Areas used for combustible storage are not separated by fire-rated construction.</p> <p>A significant amount of process and finished goods storage was observed on or adjacent to the work areas on both floors.</p>	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> <li>- Maximum height of 2.4m and maximum area of 23m<sup>2</sup></li> <li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li> </ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months
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F-3 Egress

Egress gates with locking features are provided at building exits and some exit discharge. All doors and gates were open and unlocked during the inspection.

Remove locking features from all egress doors / gates.

Immediate

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.





F-4 Egress

Storage was located in the exit stair. A motorcycle was stored at the base of the Northeast stair. Debris was located underneath the Northwest stair.

Remove all storage from exit stairs and egress paths.

Immediate



F-5	Egress	Collapsible gates are provided at all building exits.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month
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If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



F-6	Egress	Two (2) exterior stairs on the South side of the 1st floor are accessed by a 2 foot wide egress aisle.	Provide minimum aisle widths of 36-in.	Within 3 months
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F-7	Egress	Exit capacity is not adequate for the occupant load. The 1st floor has an occupant load of 1400 people. The exit capacity is 1330.	Reduce occupant load to not more than 1330 immediately. In the future, if a greater occupant load is desired, provide additional exits.	Within 3 months
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F-8	Egress	Exit travel distance on the 1st floor exceeds 60 m. The North side of the 1st floor currently only has exits on the Northwest and Northeast corners, creating an exit travel distance of over 90 m. on that side of the building.	Add an additional exit near the center of the North wall to provide an exit travel distance of no more than 60 m.	Within 3 months
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F-9	Egress	Exit travel distance on the 1st floor exceeds 60 m. The two exterior exit stairs on the South side of the 1st floor currently cannot be accessed from the center of the work area, because they are blocked by long work tables. This can create an exit travel distance of over 90 m. on that side of the building.	Reconfigure the work table arrangement to provide North-South oriented aisles leading directly to each exterior stair from the opposite side of the South 1st floor work area.	Within 3 months
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F-10	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-11	Fire Protection	Inspection, testing, and maintenance for the fire alarm system were not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
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F-12	Fire Protection	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building in accordance with NFPA 72.	Within 6 months
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F-13	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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