

# **FIRE SAFETY INSPECTION REPORT**

**APPOLLO KNIT WEAR BD. LTD.**

**OKEYSTAR, PLOT NO # I-5/1, ROAD NO # 7 , SECTION  
# 7, PALLABI, MIRPUR,DHAKA, BANGLADESH.**

**OTHER FACTORIES: NONE**



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

April 12, 2014

## **SUMMARY**

**Appollo Knit Wear BD. Ltd. was surveyed for fire safety on 4/12/2014 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 boiler, generator, and transformer rooms are not provided with fire-rated construction that is openings, non-rated doors, and penetrations at ground floor adjacent structures.	Separate the boiler, generator, and transformer rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months





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F-2	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. At levels ground, 1,2,3, and 4 production floors	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors.	Within 3 months
			If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	



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F-4	Egress	Storage was located in the egress path at floors 1,2,3,4,5, and 6.A knitting machine is obstructing egress to exit stair at floors 4.	Keep egress paths and stairs clear of storage.	Immediate
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F-5 Egress

Storage was located in the exit stair in ground floor north stair.

Remove all storage from exit stairs and egress paths.

Immediate



F-6	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, exit discharge. In all levels and at main building exit discharge.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.  If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-7	Egress	Egress door serving 50 or more occupants does not swing in the direction of egress travel on floors 1,2,3,4 and 5 leading to production floors.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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F-8	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, exit discharge in all through out the building.All gates were open at the time of inspection.	Remove locking features from all egress doors / gates.  If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 3 months
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F-9	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-10	Fire Protection	Inspection, testing, and maintenance of the fire alarm system was 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
F-11	Fire Protection	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building in accordance with NFPA 72.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system.	Within 6 months



F-12

Egress Lighting

Inspection, testing, and maintenance records for the emergency lighting system were not available.

Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.

Within 3 months