

FIRE SAFETY INSPECTION REPORT

**4A YARN DYEING LTD.
KAICHABARI, SAVAR**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh



March 24, 2014

SUMMARY



4A Yarn Dyeing Ltd. was surveyed for fire safety on 3/24/2014 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 shared the same room, and we're not separated from each other by fire rated construction.	Separate the boiler & generator rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
<div style="display: flex; justify-content: space-around;">   </div>				
F-2	Fire Rated Construction	The generator room had unprotected window openings facing another (non-factory) building approximately 5 feet away.	Separate the generator room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months



F-3	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
		Fabric Store room, Packing Section, 4th floor waste store room.	<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"> - Maximum height of 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	



F-4	Fire Rated Construction	The exit stairs are not separated from work areas or other spaces 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.		





F-5	Egress	Exit capacity is not adequate for the occupant load on 3rd floor.	Reduce the occupant load on the 3rd floor immediately. In the future provide adequate egress width by either: - Addition of an exit stair or - Upgrade of the existing North exit stair to provide sufficient combined width for the occupants of 3rd floor.	Immediate
F-6	Egress	Egress doors / gates with locking features are provided at all exit stair openings and central stair discharge.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate



F-7 Egress

Sliding doors are provided at all exit stair doors and central stair discharge.

Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.

Within 1 month

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





F-8	Egress	Waste bins were located in the central exit stair.	Remove all storage from exit stairs and egress paths.	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 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
F-11	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.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in addition to the manual fire alarm stations.	Within 6 months



F-12 Egress Lighting

Exit signage not illuminated within fabric store was not working.

Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.

Within 3 months

