

FIRE SAFETY INSPECTION REPORT

HYDROXIDE KNITWEAR LTD.

**MOUCHAK
KALIAKUR**

OTHER FACTORIES: SYNTEX KNITWEAR



ACCORD
on Fire and Building Safety in Bangladesh

March 12, 2014

SUMMARY

Hydroxide Knitwear Ltd. was surveyed for fire safety on 3/12/2014 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 room in the main building is not separated by fire-rated construction due to non-rated doors.	Separate the boiler 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-2	Fire Rated Construction	The generator room is not separated by fire-rated construction due to openings and penetrations. The room also contains transformers.	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	The transformer room is not separated by fire-rated construction openings and penetrations. The room also contains generators.	Separate the transformer room 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-4	Fire Rated Construction	The exit stairs are not separated from work areas and 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. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	Within 3 months
F-5	Egress	Egress doors and gates with locking features are provided at building exits, exit stairs, and along egress routes.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate



F-6	Egress	Storage was located in the northeast exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
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F-7	Egress	Collapsible gates are provided at building exits and exit stairs.	Replace all gates 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	Common path of egress travel exceeds 30 meters in Bonded Warehouse.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m.	Within 3 months
F-9	Egress	The exits in the Dining area, in one of the out-buildings, are not remotely located from each other such that a single fire event could compromise both exits.	Provide an additional exit. Alternately, modify exit arrangement to provide remotely located egress paths.	Within 6 months

F-10	Fire Protection	The high-rise building has an occupied floor greater than 23m (75 ft) and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection. The height of the highest occupied floor appeared to be over 75 ft.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 6 months, install within 12 months
F-11	Fire Protection	Inspection, testing, and maintenance records for the fire alarm system were not available.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
