

# **FIRE SAFETY INSPECTION REPORT**

**TM TEXTILES AND GARMENTS LTD.  
KASHOR, POST: HOBIBARI, THANA: BHALUKA,  
DISTRICT: MYMENSINGH**

**OTHER FACTORIES: NONE**



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

July 5, 2014

## **SUMMARY**

**TM Textiles and Garments Ltd. was surveyed for fire safety on 7/5/2014 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.**

**Tables 1 - 3 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 - Garments Building 1**

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Areas used for combustible storage on the ground and first floors are not separated by fire-rated construction.	<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-2	Fire Rated Construction	The boiler and generator room located on the ground floor, is not separated by fire-rated construction, openings, non-rated doors, and penetrations.	Separate the boiler and 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
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F-3	Fire Rated Construction	Storage rooms used for combustible storage on the ground floor are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-4	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, and exit discharge. This was reflected throughout the ground and first floors.	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-5	Egress	The exit capacity of the first floor (1050) is insufficient for the maximum occupant load (1805).	- Reduce occupant load to not more than available exit capacity. (1050) OR - Provide additional exits.	Immediate	F-6	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and exit discharge. This was reflected throughout the ground and first floors.	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
F-5	Egress	The exit capacity of the first floor (1050) is insufficient for the maximum occupant load (1805).	- Reduce occupant load to not more than available exit capacity. (1050) OR - Provide additional exits.	Immediate										
F-6	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and exit discharge. This was reflected throughout the ground and first floors.	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	Fire Protection	In addition to having addressable smoke detectors, 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.	Immediate
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F-8	Fire Protection	Inspection, testing, and maintenance records for 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-9	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

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**Table 2. Findings And Recommendations - Knitting Building 2**

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. This was reflected throughout the ground floor.	<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



F-2	Fire Rated Construction	Storage rooms used for combustible storage are not separated by fire-rated construction. This was reflected throughout the ground floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, and exit discharge. This was reflected throughout the ground floor.	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
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F-4	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and exit discharge. This was reflected throughout the ground floor.	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-5	Fire Protection	<p>In addition to having addressable smoke detectors, 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.</p>	<p>Remove the single-station smoke alarms.</p>	<p>Immediate</p>
				
F-6	Fire Protection	<p>Inspection, testing, and maintenance records for the fire alarm system was not in accordance with NFPA 72.</p>	<p>Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.</p>	<p>Within 3 months</p>
F-7	Egress Lighting	<p>Inspection, testing, and maintenance records for the emergency lighting system were not available.</p>	<p>Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.</p>	<p>Within 3 months</p>

**Table 3. Findings And Recommendations - Dyeing Building 3**

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. This was reflected throughout the ground floor.	<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



F-2	Fire Rated Construction	Storage rooms used for combustible storage are not separated by fire-rated construction. This was reflected throughout the ground floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
F-3	Fire Rated Construction	Hazardous materials / flammable liquid storage area on the ground floor is not separated by fire-rated construction openings, non-rated doors, and penetrations.	Separate the hazardous materials / flammable liquid storage 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-4	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, and exit discharge. This was reflected throughout the ground floor.	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
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F-5 Egress

Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and exit discharge. This was reflected throughout the ground floor.

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



F-6	Fire Protection	Inspection, testing, and maintenance records for 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-7	Fire Protection	In addition to having addressable smoke detectors, 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 the single-station smoke alarms.	Within 6 months



F-8	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
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