

FIRE SAFETY INSPECTION REPORT

Factory Name: UNION KNITTING AND DYEING LTD.

ACCORD ID: 11465

ADDRESS: 42/44 Boro Rangamatia, Zirabo, Ashulia, Savar, Dhaka

Other Factories: None



Inspected By: Md. Mah mudur Rahman

Date: 01 October 2018

Fire Safety Inspection Report

Factory Name: UNION KNITTING AND DYEING LTD.

Introduction:

UNION KNITTING AND DYEING LTD. complex was surveyed for fire safety on 01/10/2018 by The Accord Inspection Team. The purpose of the 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.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The Accord cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.



General Factory Information

Factory Building name(s): UNION KNITTING AND DYEING LTD.

Factory Address: 42/44 Boro Rangamatia, Zirabo, Ashulia, Savar, Dhaka

Points of contact:

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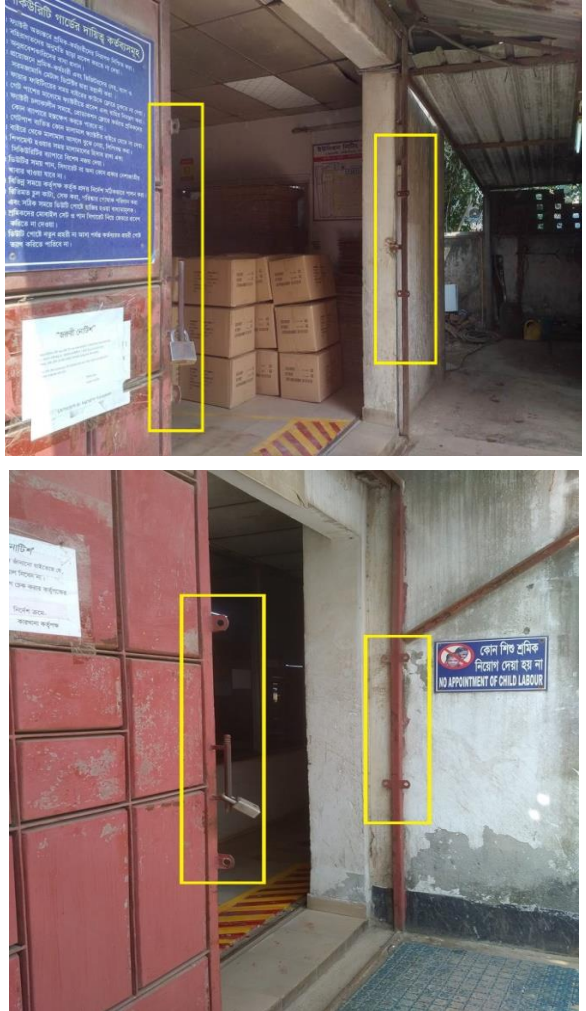


Findings & Recommendations :

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.

Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Egress	Sliding type doors have provided along means of egress	Replace all collapsible/sliding/shutter type doors & gates by the side-hinged swinging type doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 Month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
2	Egress	Doors along means of egress are provided with non compliant locking system.	1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Immediate	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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3	Egress	Width of aisles is less than 0.9m (36-in.) and not marked	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.)	Immediate	
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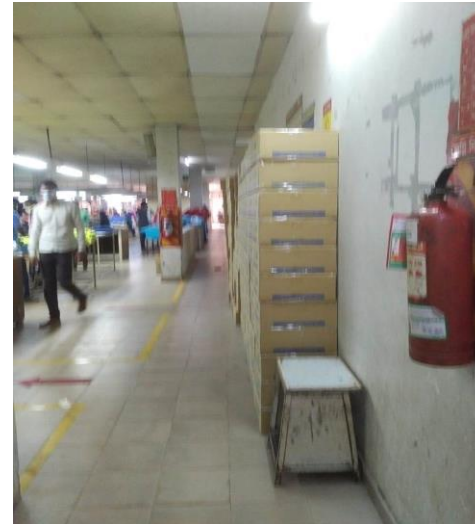
Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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4 Egress

The egress path along means of egress has interrupted by obstruction/storage.

Means of egress shall be maintained continuously free and clear of all obstructions/storage.
Or
Keep egress paths and stairs clear of storage.

Immediate



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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5	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 Months	
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Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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Fire Rated Construction

Areas used for in-process storage of combustible materials are open to the surrounding occupancy

Provide defined storage areas and limit the storage arrangement as follows:-

1. General Condition:

Maximum height of 2.4m and maximum area of 23m².

Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.

2. If sprinkler protected:

maximum height of 3.66m

and maximum area of 93m².

Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.

or

3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.

Within 3 Months



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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7	Fire Rated Construction	Boiler/Generator room is not properly separated by fire rated construction with other Occupancies/Areas	Boiler/Generator or other heat producing equipment shall be separated from other occupancies by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 Months	
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Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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8	Fire Alarm & Detection System	The existing fire alarm system is not a listed system and does not provide automatic alarm and notification features consisted with acceptable standards.	Replace the fire alarm system with a new, listed (3rd party certified) addressable fire alarm system in accordance with NFPA 72.	Design Within 02 Months and Installation Within 06 Months	
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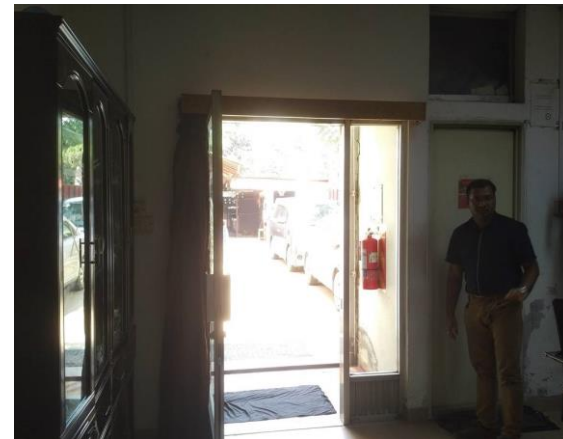
9	Fire Alarm & Detection System	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 3 Months	
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Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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| 10 | Egress Lighting | <p>Exit sign not provided at exit.
And
Exit signage not illuminated during testing (burned out, broken, etc.).</p> | <p>Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.</p> |
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Within 1 Month



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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| 11 | Egress Lighting | Manual on-off switch is provided for [emergency lighting / exit signage] units. | Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off. | Within 1 Month |  |
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| 12 | Egress Lighting | Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. | Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles. | Within 1 Month | |
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Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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13	Egress Lighting	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 1 Month	
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14	ITM of Fire Extinguisher	Inspection, testing, and maintenance for the fire extinguishers were not in accordance with NFPA 10	Inspect, test and maintain the fire extinguishers in accordance with NFPA 10	Within 1 Month	
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