

# **FIRE SAFETY INSPECTION REPORT**

**Factory Name: Consumer Knitex Limited (Unit 2)**

**ACCORD ID: 12576**

**ADDRESS: Baghan, Trishal, Mymensingh 2222 (24.552171, 90.400753)**

**Other Factories: None**



**Inspected By: Md. Mah mudur Rahman & Atick Al Zaman**

**Date: 07 November 2016**

## Fire Safety Inspection Report

**Factory Name: Consumer Knitex Limited (Unit 2)**

### Introduction:

**Consumer Knitex Limited (Unit 2)** complex was surveyed for fire safety on 07/11/2016 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

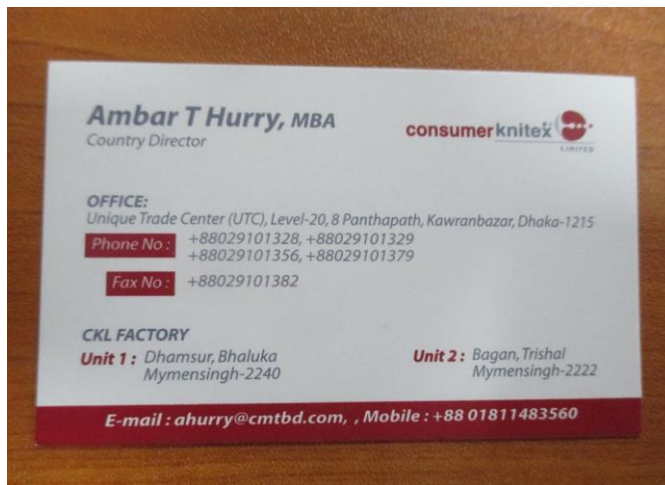
**Factory Building name(s):** Consumer Knitex Limited (Unit 2)

**Factory Address:** Baghan, Trishal, Mymensingh 2222

### Points of contact:

**Name:** Ambar T Hurry  
**Designation:** Country Director  
**Contact No:** +8801811 48 35 60  
**Email:** ahurry@cmtbt.com

**Name:** Dev Amarsing Matadeen  
**Designation:** Compliance & Quality,  
**Contact No:** +8801847 12 46 18  
**Email:** dmatadeen@cmtbt.com



## Findings & Recommendations :

The following "Table" 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      | Fire Rated Construction | <p>The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction properly. In few cases, exit stairs are not enclosed by fire rated construction from production areas. In many cases fire doors were kept open by external objects.</p> <p><b>Location: Building -2 &amp; 3</b></p> | <p>Stair shall be enclosed with a minimum 1-hr fire-rated construction. Seal all unprotected openings and provide minimum 1-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, positive latching and that they are provided with fire exit (panic) hardware where serving production floors. Ensure the listing of fire rated doors by providing required documents</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p> | Within 03 Months       |  |



| Sl No. | Category | Findings | Required Action | Remediation Time Frame | Pictorial Evidence                                                                 |
|--------|----------|----------|-----------------|------------------------|------------------------------------------------------------------------------------|
|        |          |          |                 |                        |  |

Pictures of Issue # 1

- 2 Fire Rated Construction
- Unsealed penetrations and openings are located in exit stair enclosures.
- Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.
- Location(s): Building- 3
- Within 03 Months



| Sl No. | Category | Findings                                                                            | Required Action | Remediation Time Frame | Pictorial Evidence                                                                  |
|--------|----------|-------------------------------------------------------------------------------------|-----------------|------------------------|-------------------------------------------------------------------------------------|
|        |          |    |                 |                        |    |
|        |          |   |                 |                        |   |
|        |          |  |                 |                        |  |

Pictures of Issue # 2



| Sl No. | Category | Findings | Required Action | Remediation Time Frame | Pictorial Evidence |
|--------|----------|----------|-----------------|------------------------|--------------------|
|--------|----------|----------|-----------------|------------------------|--------------------|

3

Fire Rated Construction

The exterior exit stair is not separated from the building. Non rated wall & unprotected openings to external exit stairs have been observed.

**Location: Building- 2 & 3**

Exterior exit stairs shall be separated by minimum 1-hr fire-rated construction and The rating of the exterior wall shall extend 3.05 m (10 ft.) beyond the ends of the stair structure. Provide minimum **1-hr fire rated doors (if required)** to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, 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 03 Months



| Sl No. | Category                | Findings                                                                                                                                                                                      | Required Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Remediation Time Frame | Pictorial Evidence                                                                   |
|--------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|
| 4      | Fire Rated Construction | <p>Areas used for in-process storage of combustible materials are open to the surrounding occupancy which are not defined or separated.</p> <p><b>Location: Ground Floor, Building- 2</b></p> | <p>Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> <li>1. General Condition:<br/>Maximum height of 2.4m and maximum area of 23m<sup>2</sup>.<br/>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</li> <li>2. If sprinkler protected:<br/>maximum height of 3.66m and maximum area of 93m<sup>2</sup>.<br/>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</li> <li>or</li> <li>3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.</li> </ol> | Within 01 Months       |  |



| Sl No. | Category | Findings | Required Action | Remediation Time Frame | Pictorial Evidence |
|--------|----------|----------|-----------------|------------------------|--------------------|
|--------|----------|----------|-----------------|------------------------|--------------------|

5 Egress

Electrical panel, air vessel etc. has been installed in the exit stair.

Location: S-W corner exit stair, Ground level, Building-2 & 3

Remove electrical panels, air vessel etc. from the exit stairs and keep them in a safe location.

Minimum 1-hr fire rated construction will be required if the the factory keep air vessel in the production floor.

Within 01 Month



| Sl No. | Category | Findings | Required Action | Remediation Time Frame | Pictorial Evidence |
|--------|----------|----------|-----------------|------------------------|--------------------|
|--------|----------|----------|-----------------|------------------------|--------------------|

6 Egress

The factory is using/storing liquefied gas cylinders (C.N.G) having a pressure reduction & control unit (RCU) station on the egress path.

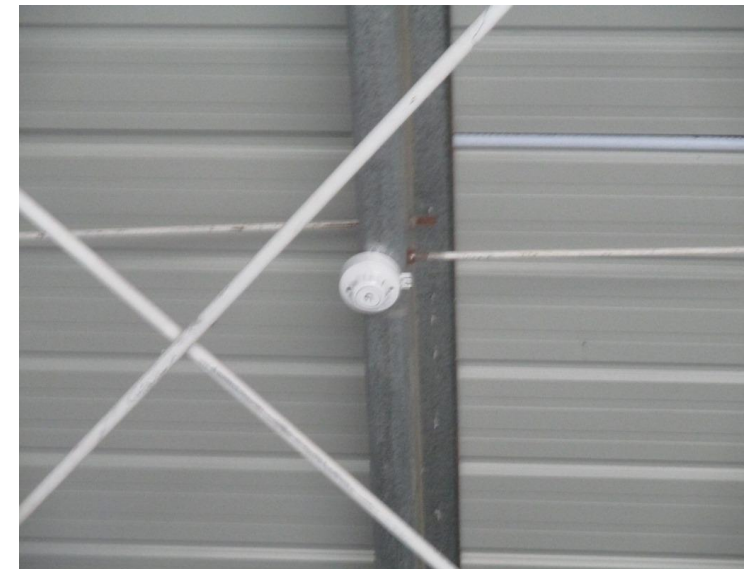
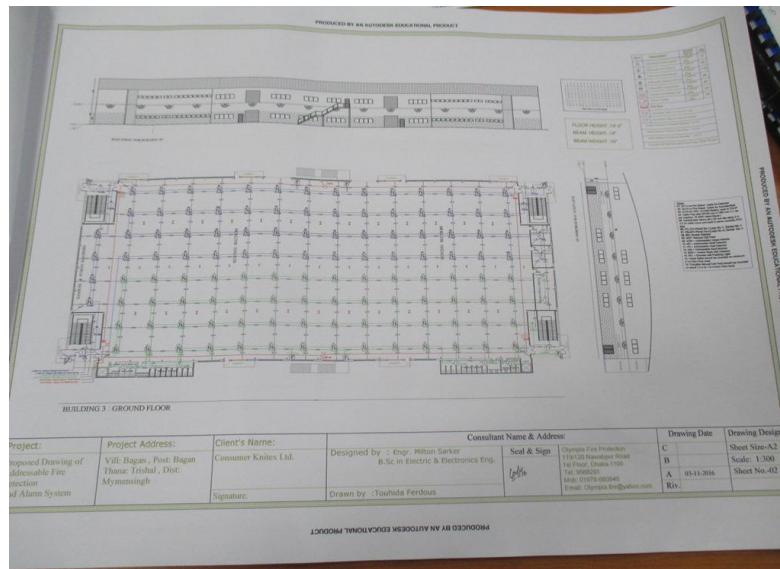
Provide a minimum 2-hr horizontal separation from egress path to using/storing liquefied gas cylinders & RCU station

Within 01 Month



| Sl No. | Category | Findings | Required Action | Remediation Time Frame | Pictorial Evidence |
|--------|----------|----------|-----------------|------------------------|--------------------|
|--------|----------|----------|-----------------|------------------------|--------------------|

|   |                               |                                                                                                                                                                                                                                       |                                                                                                                                                                   |                  |  |
|---|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|
| 7 | Fire Alarm & Detection System | The factory has been designed & installed the addressable fire alarm system without having approval from AHJ (Authorities Having Jurisdiction). Note: They have submitted the as-built design/drawing of fire alarm system to Accord. | Existing addressable fire alarm & detection system shall be designed & installed as per NFPA 72. Modify the system (if required) after getting approval from AHJ. | Within 06 Months |  |
|---|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|



| Sl No. | Category | Findings | Required Action | Remediation Time Frame | Pictorial Evidence |
|--------|----------|----------|-----------------|------------------------|--------------------|
|--------|----------|----------|-----------------|------------------------|--------------------|

8

The checklist of inspection, testing, and maintenance for the fire alarm system is in accordance with NFPA 72 or as per Accord standard but it not been filled-up/maintained properly.

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 03 Months

| Emergency Voice/Alarm Communication |                                                                                                                  | Comments |     |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------|----------|-----|
| Sl. No.                             | Description                                                                                                      | Yes      | No  |
| 13                                  | Emergency communication line is installed and functioning at all times.                                          | ✓        |     |
| 14                                  | Emergency communication line is tested and functioning at all times.                                             | ✓        |     |
| 15                                  | Emergency communication line is tested and functioning at all times.                                             | ✓        |     |
| 16                                  | Emergency communication line is tested and functioning at all times.                                             | ✓        |     |
| Notification Devices                |                                                                                                                  | Comments |     |
| Sl. No.                             | Description                                                                                                      | Yes      | No  |
| 17                                  | Fire Alarm sounding devices sound throughout the occupancy.                                                      | ✓        |     |
| 18                                  | The minimum sound pressure level of 150dB above the ambient noise level is maintained at all times.              | ✓        |     |
| 19                                  | The sound level of sounding device (horn/strobes) is off level 150dB above the ambient noise level at all times. |          | N/A |
| 20                                  | A sounder with Rooster sound, Rooster is sounding properly at all times.                                         | ✓        |     |
| Initiating Devices                  |                                                                                                                  | Comments |     |
| Sl. No.                             | Description                                                                                                      | Yes      | No  |
| 21                                  | All initiating devices have been tested and are functioning properly.                                            | ✓        |     |
| 22                                  | All fire initiating devices have been tested and are functioning properly.                                       | ✓        |     |

