

INITIAL FIRE SAFETY INSPECTION REPORT

Textil Fashions Ltd.(Extension)

RSC ID: 24537

HOLDING# 6/1 (PLOT# 168) CHAYDANA, National University, Gazipur-1704

Geographical Coordinates of factory building: 23.966795, 90.382441

Other Factories: Textil Fashions Limited-Id-12336



Inspected By: Dilip Kumar Mondal and Yusuf Ahmed

Date: 29 March-2023

Fire Safety Inspection Report

Textil Fashions Ltd.(Extension)

Introduction:

Textil Fashions Ltd.(Extension) complex was surveyed for fire safety on **29 March-2023** by The RSC 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 RSC. 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 RSC 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) in this ID:24537:

1. Warehouse Shed (January 2016 to June 2016)

Factory Address: HOLDING# 6/1 (PLOT# 168) CHAYDANA, National University, Gazipur-1704, Bangladesh

Points of contact:

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Findings & Recommendations :

Table 1 summarizes the major fire safety issues identified during the inspection of main building. 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 RSC for approval.

Table-1:				
SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire-Rated Construction	The West exit discharge path is less than 10ft. wide and is not separated from the Utility Shed.	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft, to provide a minimum 1-hr fire separation. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 6 months



F-02	Fire Rated Construction	Liquefied or compressed gas cylinders were located in the factory premises along with storage materials. Location(s): CNG room.	<p>The RSC Technical Guidelines (Standard) Section 3.4.2.1.11 prohibits the storage or use of liquefied or compressed flammable gas (LPG/CNG) cylinders within the factory building.</p> <p>Alternatively:</p> <ol style="list-style-type: none"> 1. The storage building must be at least 3 meters away from any other buildings and boundaries. 2. The exterior walls of the building must have a fire resistance rating of 3 hours using noncombustible construction. 3. Doors and other openings in the exterior walls must be protected with suitable closing devices having a fire protection rating of 3 hours. 4. The building is to be used for no other purpose than the storage of LPG/CNG cylinders. 5. The building must be mechanically ventilated to control the accumulation of flammable vapors. 6. The installations must be approved and accepted by the requirements of the AHJ, Gas supply company regulations, manufacturers/supplier's instructions/guidance, Chief Inspector of Boiler (CIOB) and Chief Inspector of Explosives Bangladesh (CIEB). 	Within 3 months
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F-03	Fire Rated Construction	Warehouse Shed was not separated by fire rated construction from Main production building (Less than 10 feet from main production building).	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23 m ² - If sprinkler protected: maximum height of 3.66m and maximum area of 93 m ² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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F-04	Egress	Occupant load signs were not present in the exit.	Provide maximum & present occupant load sign in the exitway.	Within 1 month
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F-05	Fire Alarm & Detection system	The fire detection system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards. Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and in accordance with The RSC Technical Guidelines (Standard).	Replace the fire detection system with a new, listed addressable fire detection system in accordance with NFPA 72.	Design within 3 months and installation with 6 months
<div style="display: flex; justify-content: space-around;">   </div>				
F-06	ITM of Fire Alarm & Detection system	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with The RSC Technical Guidelines (Standard).	Within 1 month (after installation)

F-07	ITM of Fire Extinguishers	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 ,and in accordance with The RSC Technical Guidelines (Standard).	Within 3 month
F-08	Mean of Egress	Width of aisles is less than 0.9m (36-in.) or aisles mark is not properly provided in the warehouse Shed.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months



F-9	Emergency light and Exit Sign	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location- Warehouse Shed.	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 3 months
				

F-10	ITM of Emergency light and Exit Sign	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 3 months
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