

FIRE SAFETY INSPECTION REPORT

Century Apparels Ltd - Unit 2

ACCORD ID: 12654

Holding # 01, Block-B D.N. Road, West Masdair Fatullah, Narayanganj-1400
(23.627249,90.485606)

Other Factories: None



Inspected By: Md. Abidur Rahman & Pantha Pallob Das

Date: 19 March, 2017

Fire Safety Inspection Report

Factory Name: Century Apparels Ltd (Unit-2)

Introduction:

Century Apparels Ltd (Unit-2) complex was surveyed for fire safety on 19/03/2017 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. 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.




Findings & Recommendations :

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue.





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Sl No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Production area is not separated from adjacent utility facilities (Boiler, Generator & sub-station) at Shed-01 & Shed-02.	Separate the Generator & Sub-station facilities from production area by 2-hr. fire rated construction & boiler room by 1-hr. fire rated construction. Seal all penetrations and openings (door, window etc.) should be protected by 1.5-hr fire rated materials to maintain the fire separation for generator & sub-station room & 0.75 hr. fire rated materials to maintain the fire separation for boiler room if required. All exhaust systems shall discharge to the exterior of the building in a safe location.	Within 3 months




SI No.	Category	Findings	Required Action	Remediation Time Frame
F-2	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to surrounding production area at North side of Shed-01.	<p>Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 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 1 month
				
F-3	Fire Rated Construction	CNG cylinders storage area is not separated by fire-rated construction & was open to exit discharge path of Shed-04 (Dining Shed).	Separate the CNG Cylinder storage by providing a dedicated storage facilities with 2-hr fire rated construction. Seal all penetrations and protect the openings to maintain the required fire separations.	Within 1 month

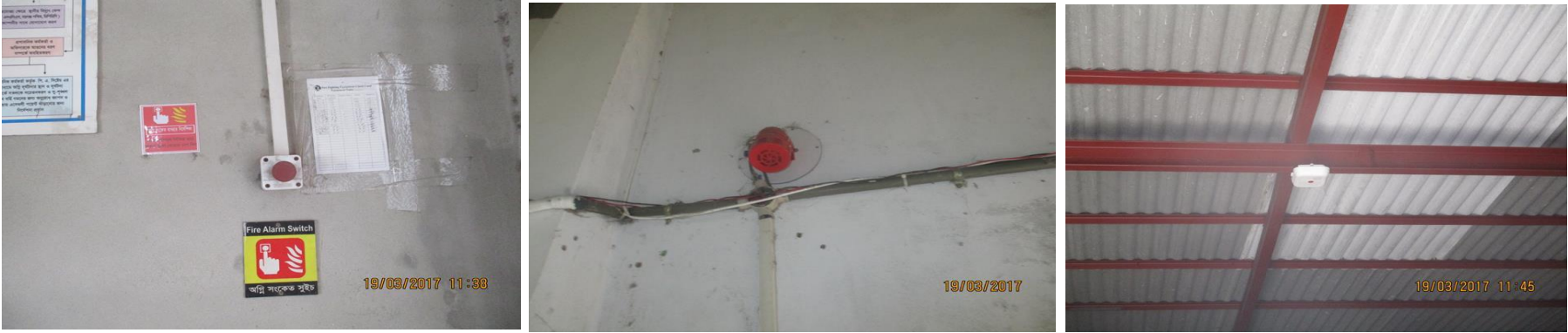


Sl No.	Category	Findings	Required Action	Remediation Time Frame
				
F-4	Means of Egress	Doors along means of egress are provided with non compliant locking system at Shed-01 & Shed-02	<ol style="list-style-type: none"> 1. Remove all non compliant locking features from egress doors. 2. If locks are required 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
				



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-5	Means of Egress	Sliding doors have provided along means of egress at Shed-01 & Shed-02.	<p>Replace all sliding type doors by the side-hinged swinging type doors.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	Immediate
				
F-6	Means of Egress	Building did not have occupant load signs at the required locations.	Provide occupant load signs at the required locations.	Immediate



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-7	Fire Detection and Alarm System	The fire detection system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire detection system with a new, listed addressable fire detection system in accordance with NFPA 72.	Design within 3 months, Install within 6 months
				
F-8	Fire Detection and Alarm System (ITM)	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-9	Fire Protection System(ITM)	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 ACCORD standards.	Within 3 months
F-10	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: All exit stairs, egress paths and aisles.	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



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-11	Egress Lighting (ITM)	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months

