

FIRE SAFETY INSPECTION REPORT

MIDLINE SWEATER LTD. FACTORY

ACCORD ID: 23393

BARO BOYKA, CHANDANA, Gazipur District

23.999498, 90.372226

Other Factories: None



Inspected By: A.K.M. Monoarul Huda & A N Faisal Ahmed

Date: 20 February, 2019

Fire Safety Inspection Report

Factory Name: MIDLINE SWEATER LTD. FACTORY

Introduction:

MIDLINE SWEATER LTD. FACTORY was surveyed for fire safety on 20 February, 2019 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

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy (Location: 1st floor-cutting section, 7th floor)	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





F-2	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas (Location: Ground Floor, 7th Floor)	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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F-3	Egress	The exit discharge path [serving west exit] is less than 10 ft wide beside utility building and is not separated from the building interior & utility building.	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 3 months
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F-4	Egress	North exit of main production shed discharge through dinning area.	Remove the dinning area from exit discharge path Or Provide a 1 hr fire rated exit passage way for safe evacuation.	Within 3 months
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F-5	Fire Rated Construction	Boiler, Generator, Substation, room is not properly fire separated.	Separate the generator, boiler, substation, rooms by a minimum 2-hr fire-rated construction from each other. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer.	Within 3 months
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F-6	Egress	Production shed did not have Exit designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 1 month.
F-7	Egress	Updated emergency evacuation maps is not posted at the entrance of all exit.	Fire evacuation maps shall be posted at the entrance to each exit as per updated layout & floor area.	Within 2 month.





F-8	Egress	Egress doors/gates with locking features not complying with NFPA 101 are provided at [building exits, exit stairs, along egress routes, exit discharge]	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA 101.	Immediate
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F-9	Fire Protection	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 month
F-10	Fire Protection	Portable fire extinguishers are not provide	Provide portable fire extinguisher throughout all facilities in accordance with BNBC part 4 Section 4.10	Within 3 month.



F-11	Egress	The width of egress aisles is less than 36-inch. Location: East and west side of the building in every floor.	Provide minimum aisle widths of 36-inch.	Within 3 months
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F-12	Fire Rated Construction	Dining area is not separated from the production area with fire rated assemblies	Remove the dining area from the production floor & relocate it in a safe location or If this is not possible provide 2-hr fire-rated construction & 2-hr fire rated exit passageway leading directly to the staircases	Within 3 Months
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F-13

Fire 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 4 months, Install within 9 months





F-14	Fire Detection System	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
F-15	Egress Lighting	Manual on-off switch facility available for emergency lights	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month





F-16	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 3 months
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F-17	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was 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
F-18	Fire Extinguishers 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

