

FIRE SAFETY INSPECTION REPORT

MT SWEATER LTD

GACHA, PLOT#1703-1704, POST# GACHA, GAZIPUR

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

March 13, 2014

SUMMARY

MT Sweater Ltd was surveyed for fire safety on 3/13/2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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.

Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Hazardous materials / flammable liquid storage area is not separated by fire-rated construction due to openings to the corridor and non-rated doors.	Separate the hazardous materials / flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
 				
F-2	Fire Rated Construction	The boiler room is not separated by fire-rated construction, due to non-rated door connecting to yarn winding room.	Separate the boiler room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months



F-3	Fire Rated Construction	The generator room is not separated by fire-rated construction, due to non-rated door connecting to interior corridor.	Separate the generator room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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F-4	Fire Rated Construction	The generator room is not separated by fire-rated construction from the transformer room. The two share the same room.	Separate the generator and transformer in separate rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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F-5	Fire Rated Construction	Yarn storage warehouse is not separated by fire-rated construction. Openings at the top of the wall connect to the corridor serving as part of the egress route. Also, doors to the warehouse room are not fire-rated doors.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-6	Fire Rated Construction	Significant quantities of storage are located within the factory floor, the dining area, and in some cases in rooms open to the factory floor. (Linking Distribution, Dumping rooms)	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - 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.	Within 3 months
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F-7	Fire Rated Construction	The exit stairs are not separated from occupied spaces on each floor by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing and 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 3 months
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F-8	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level. Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-9	Egress	Storage was located in the exit stair. Dustbins and sand buckets were located on the landings between floors, restricting the width available to be used for egress.	Remove all storage from exit stairs and egress paths.	Immediate
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F-10	Egress	Egress doors / gates with locking features are provided at all stair doors.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-11	Egress	Collapsible gates / sliding doors are provided at all stair doors.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month
			If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	



F-12	Egress	South exit stairs discharge inside the building.	Correct by providing either: - Modify stair to discharge directly outside. - Provide 2-hr fire-rated exit passageway leading directly outside (with vestibules to separate any storage rooms).	Within 3 months
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F-13	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-14	Fire Protection	Inspection, testing, and maintenance of 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 NFPA 72.	Within 3 months
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F-15	Fire Protection	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 6 months
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F-16	Egress Lighting	IPS lights did not come on when power went out. Assertions were made that the installation is in-process and was not yet connected on the floor in question.	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 3 months
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