

FIRE SAFETY INSPECTION REPORT

SAKURA DYEING + GARMENTS LTD
KUTUBAIL, FATULLAH, NARYANGONJ

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

June 10, 2014

SUMMARY

Sakura Dyeing + Garments LTD was surveyed for fire safety on 6/10/2014 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.

Tables 1 - 2 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 - Building 1

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Hazardous materials storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: Ground floor next to batch section their is hazardous storage area with no fire rated separation between these areas.	Separate the hazardous materials 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	Areas used for combustible storage are not separated by fire-rated construction. Location: Ground, first, second, third, and fifth floors.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	Fire Rated Construction	The generator rooms and not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: One generator is located in the south of the building in a shed attached to building the other two generators are located on the second floor of the two story building.	Separate the generator 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-4	Fire Rated Construction	The boiler rooms is not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: In two separate locations one smaller boiler in shed next to generator the other is a larger boiler in shed by it's self.	Separate the boiler 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	The transformer room is not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: Ground floor north side of building.	Separate the transformer 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-6	Fire Rated Construction	Rooms used for combustible storage are not separated by fire-rated construction. Location: Ground, first, second, third, and fifth floors.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-7	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes and exit discharge. Location: On all floors all gates/doors were open and unlocked during the inspection.	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-8	Egress	Storage was located in the exit stair. Location: Under both stairs had storage.	Remove all storage from exit stairs and egress paths.	Immediate
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F-9	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes and exit discharge. Location: On all floors.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-10	Egress	Exit capacity is not adequate for the occupant load. Location: On the third floor available capacity is 326 but the occupant load was 430.	Reduce occupant load to not more than available exit capacity (326) and provide additional exits in the future to increase occupant load.	Within 3 months
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F-11	Egress	Handrails are not provided in the exit stair. Location: South stairwell at top of stairs missing rail.	Provide handrails on at least one side of exit stair.	Within 3 months
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F-12	Egress	Exit stairs discharge inside the building. Location: North and south stairwells discharge to ground floor into storage area then to outside.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). or Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 6 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	Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only on the floor of alarm and not throughout the building.	Configure the fire alarm system to initiate automatic occupant notification on all floor levels to facilitate whole-building evacuation upon any manual fire alarm station activation.	Within 1 months
F-15	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
F-16	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
F-17	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.). Location: Ground, floor in batch section.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month



F-18	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 accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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Table 2. Findings And Recommendations - Building 2

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Location: Ground floor.	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 23m ² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
F-2	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, exit discharge. Located: On all floors all gates/doors were open and unlocked during the inspection.	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



F-3	Egress	Storage was located in the egress path. Location: Ground floor.	Keep egress paths and stairs clear of storage.	Immediate
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F-4	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, exit discharge. Location: Ground floor.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-5	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
F-6	Fire Protection	Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only on the floor of alarm and not throughout the building.	Configure the fire alarm system to initiate automatic occupant notification on all floor levels to facilitate whole-building evacuation upon any manual fire alarm station activation.	Within 1 months
F-7	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
F-8	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
F-9	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.). Location: Large boiler exit light not working.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 1 month



F-10	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 accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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