

FIRE SAFETY INSPECTION REPORT

TARATEX (BD) LTD.
PLOT-30, SATAISH ROAD, GAZIPUR, TONGI
OTHER FACTORIES: S.P.M DESIGN LTD.



ACC  **RD**
on Fire and Building Safety in Bangladesh

April 26, 2014

SUMMARY



Taratex (BD) Ltd. was surveyed for fire safety on 4/26/2014 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	Flammable liquid storage was located at the base of both the exit stairwells.	Remove the hazardous materials / flammable liquid storage from the stair enclosures and ensure that it is sperated by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Immediate
<div style="display: flex; justify-content: space-around;">   </div>				
F-2	Fire Rated Construction	The generator and transformer room on the ground floor and the boiler room on the 1st floor were not separated from the adjacent working areas by means of fire rated construction (non-rated doors).	Separate the generator, transformer and boiler room from working areas 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	<p>The dedicated storage areas on the 1st floor (Finished goods area) and 2nd floor (Bonded warehouse) were not separated by fire-rated construction (unprotected openings and non-rated door).</p> <p>The wastage warehouse on the 1st floor is not separated from the northern exit stair enclosure by means of fire-rated separation (non-rated door).</p>	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p>	<p>Within 3 months</p>
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F-4	Fire Rated Construction	The exit stairs are not separated from work areas 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-5	Fire Rated Construction	The Eastern discharge path to assembly point is uncovered, has a width less than 10 ft. and unprotected openings at a height of less than 10 ft (Generator intake point)	All openings in the exterior building wall adjacent to the stair discharge shall be modified such that the construction is fire rated 1-hr up to 10 ft. above grade. Alternatively air inlet openings can also be fitted with fire rated louvers/dampers.	Within 3 months
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F-6	Fire Rated Construction	Transient storage areas on the 2nd floor and 1st floor (Packaging area) exceeded the permitted limits and was not separated from the working area by means of fire-rated construction.	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"> - Maximum height of 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months
F-7	Egress	Egress doors / gates with locking features were found in building exits, along egress routes and in all the exit discharges on all floors. All gates/doors were found to be open and unlocked during the inspection.	<p>Remove locking features from all egress doors / gates.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	Immediate





F-8 Egress

Combustible storage was located at the base of both the exit stair enclosures.

Remove all storage from exit stairs and egress paths.

Immediate



F-9	Egress	Collapsible gates and sliding doors are provided at all building exits, exit stairs and exit discharges.	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-10	Egress	Emergency evacuation plans were not posted within/next to the eastern exit stair.	Provide readily visible/identifiable emergency evacuation plans within/next to all exit stairs.	Within 1 month
F-11	Egress	The two exits are not remotely located on each floor from each other such that a single fire event could compromise both exits.	Provide an additional exit on the southern end of the building that is accessible on each floor. Alternatively provide sprinkler protection through out the building in accordance with NFPA 13.	Within 3 months

F-12	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-13	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 through out the building in accordance with NFPA-72.	Within 1 months
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F-14	Fire Protection	Inspection, testing, and maintenance for the fire alarm system were 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-15	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system were not in accordance with the ACCORD standards.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months