

# **FIRE SAFETY INSPECTION REPORT**

## **BILLAH RESOURCES LTD**

**17/1 KATHALDIA, SQUIB ROAD, NISHAD NAGAR,  
TONGI GAZIPUR.**

**OTHER FACTORIES: NONE**



**ACCORD**  
on Fire and Building Safety in Bangladesh



April 12, 2014

## **SUMMARY**

**Billah Resources LTD was surveyed for fire safety on 4/12/2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.**

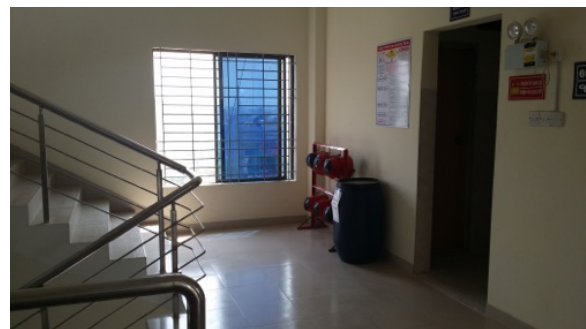
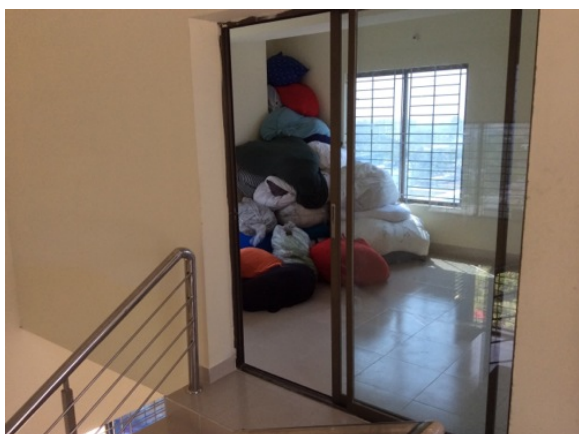
**The purpose of this survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. 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	<p>The East exit stairwells are not properly separated from storage spaces on the roof floor, and all floors preceding it, with acceptance to the basement floor by fire-rated construction. The West stairwell, ground floor had a storage room underneath the stairwell. In addition to the storage rooms, both stairwells were not properly separated from production floors.</p>	<p>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.</p>	Within 3 months





F-2	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures. Specifically located on the ground floor, east stairwell.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-3	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, exit discharge. This was apparent on all floors within the East stairwell.	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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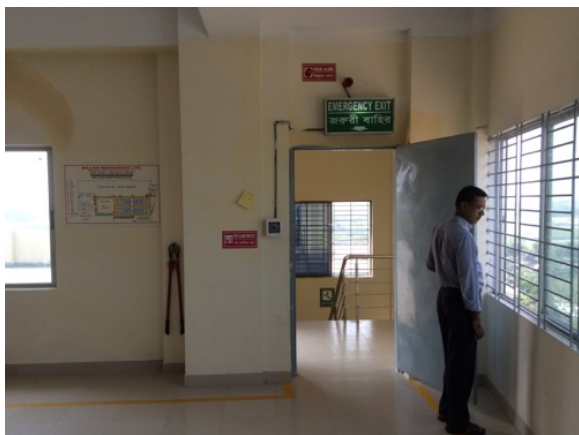
F-4	Egress	East and West stairwell specifically on the roof floors, had storage rooms within egress stairwell enclosures, it was also found specifically in the west stairwell in all floors that offices and restrooms shared the stairwell. Also at basement level West stairwell had a storage room underneath the stairwell.	Remove all storage from exit stairs and egress paths.	Immediate
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F-5	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and at exit discharge points primarily within the East stairwell.	<p>Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	Within 1 month
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F-6	Egress	Exit stairwell doors do not swing in the direction of egress. This was reflected on all floors.	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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F-7	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-8	Fire Protection	Inspection, testing, and maintenance for the fire alarm system was 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-9	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.	Replace the single-station smoke alarms. Provide automatic smoke detection throughout the building in accordance with NFPA 72	Within 6 months
F-10	Egress Lighting	Manual on-off switch is provided for emergency lighting units.	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month



F-11	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not available.	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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F-12	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all floors.	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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