

# **FIRE SAFETY INSPECTION REPORT**

**P.N. COMPOSITE  
AMBAGH, KONABARI**

**OTHER FACTORIES: NONE**



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

April 20, 2014

## **SUMMARY**

**P.N. Composite was surveyed for fire safety on 4/20/2014 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**

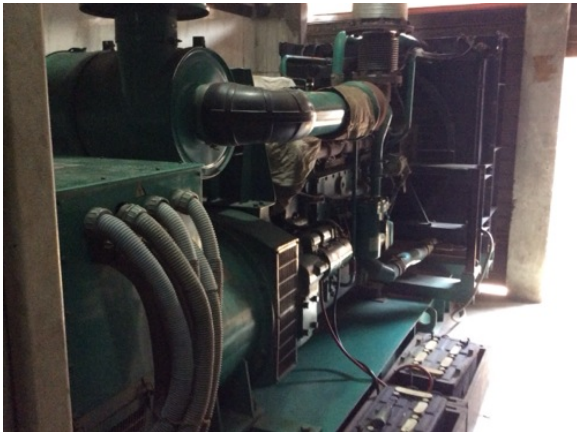
| No. | Category                | Finding                                                                                                                            | Recommendation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Remediation Timeframe |
|-----|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| F-1 | Fire Rated Construction | Storage rooms and process areas throughout the building used for combustible storage are not separated by 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"> <li>- Maximum height of 2.4m and maximum area of 23m<sup>2</sup></li> <li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li> </ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p> | Within 3 months       |



|     |                         |                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |
|-----|-------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| F-2 | 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.<br><br>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-3 | Fire Rated Construction | The backup generator room is not separated by fire-rated construction. | Separate the back up 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 | Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies, specifically at the main electrical riser. | Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.<br><br>Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation. | Within 3 months |
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| F-5 | Egress | Egress doors and gates with locking features are provided throughout the stairwells. | Remove locking features from all egress doors / gates.<br><br>If locks are required for security reasons, utilize special door locking features complying with NFPA 101. | Immediate |
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| F-6 | Egress | Storage was located in the SE exit stair. | Remove all storage from exit stairs and egress paths. | Immediate |
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| F-7                                                                                | Egress          | Storage was located in the egress path on Floor 4                                                     | Keep egress paths and stairs clear of storage.                                                                  | Immediate       |
| F-8                                                                                | Egress          | The width of egress aisles is less than 36-in. on floor 5.                                            | Provide minimum aisle widths of 36-in.                                                                          | Within 3 months |
|  |                 |                                                                                                       |                                                                                                                 |                 |
| F-9                                                                                | Fire Protection | Inspection, testing, and maintenance for the fire alarm system it 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-10                                                                               | Fire Protection | Smoke detectors are not installed in Boiler room, generator room or dyeing shed                       | Provide automatic smoke detection throughout the building in accordance with NFPA 72.                           | Within 6 months |



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| 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 |
|------|-----------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------|