

INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Energypac Fashions Ltd**
Address: **Hotapara, Bokran, Monipur Gazipur Sadar, Gazipur
Gazipur Dhaka Bangladesh**
Assessor: **Uttaron Technologies**
Date: **22 May 2014**



Introduction to the Report

The following report contains a site profile and summary of non-conformities identified during an onsite assessment commissioned by the Alliance for Bangladesh Worker Safety (Alliance) and conducted by a third-party Qualified Assessment Firm (QAF). The assessment was conducted against the Alliance for Bangladesh Worker Safety Assessment Protocols (APs) and Fire Safety and Structural Integrity Standard, which is harmonized with the factory assessment guidelines developed by Bangladesh University of Engineering and Technology (BUET) for the Bangladesh National Tripartite Plan of Action (NTPA). The goal of the Alliance process is to provide clear and practical technical requirements by which Bangladeshi Ready Made Garment (RMG) Factories producing for Alliance members may be consistently and fairly evaluated for fire, structural, and electrical safety in a non-duplicative manner. Each assessment will prompt action plans that will be used by RMG factories to systematically and sustainably improve safety conditions for garment workers. Beyond tracking and reporting on action steps taken in a transparent manner, the Alliance organization and its members will seek to further support factory improvements through technical assistance, training, implementation support for functional Worker Committees, and in some cases financial assistance and wage support for workers if factories are closed for remediation.

The contents of the report do not constitute a guarantee of compliance with the applicable laws, the Alliance Standard or the absolute or continued safety against fire, electrical and/or structural integrity issues that may lead to injury or loss of life. The report is designed to provide a non-exhaustive summary of risk issues, based on a limited sampling and duration of time onsite by the named QAF. Neither the QAF nor the Alliance can certify or guarantee the quality, outcome, or effectiveness of actions taken in response to the report.

For more information and report feedback please go to: www.bangladeshworkersafety.org.





GENERAL INFORMATION

General Information	
Factory Name:	Energypac Fashions Ltd
Address:	Hotapara, Bokran, Monipur Gazipur Sadar, Gazipur Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Gazipur
Zip Code:	
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	22 May 2014
Final Report Date:	08 September 2014
Are all Action Items From Previous Assessment Completed?:	Yes
Buildings in Complex:	There are two buildings. 1. Main Factory Building; 2. Ancillary Building.
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	5 Stories
Approximate Building Area (SF):	65,000 SF (GF: 17000 SF, 1st Floor 12000 SF, 2nd Floor 12000 SF, 3rd Floor: 12000 SF, 4th Floor: 12000 SF).
Date of Building Construction:	2007
Date of Last Building Renovation/Addition:	Under Construction
Ancillary Structures in Complex:	One
Approximate Ancillary Structures Area (SF):	3,500 SF
Number of Occupants:	The total occupant load is 1,052. 1. Main Factory Building: 1,050 (GF: 238, 1st: 107, 2nd: 350, 3rd: 355, 4th:

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	0); 2. Ancillary Building:
Number of Ancillary Levels (Stories):	One



ASSESSMENT FINDINGS

Fire Protection Construction

Question:	Occupancy Type	
Priority Level:		
Non-Compliance Level:		
Description:	Occupancy Type G2	
Source of Findings:	Photograph: Occupancy Type G2	
Suggested Plan of Action:	N/A	
Suggested Deadline Date:		
Standard:	Provide Occupancy Type for each building and structure. Reference Alliance Standards Part 3 Use and Occupancy	
Question:	Construction Type	
Priority Level:		
Non-Compliance Level:		
Description:	Construction Type RCC	
Source of Findings:		
Suggested Plan of Action:	N/A	
Suggested Deadline Date:		
Standard:	Provide construction type for each building and ancillary structure. Reference Alliance Standards Table 3.3.1	
Question:	Height of Highest Occupied Floor Level Above Grade	
Priority Level:		
Non-Compliance Level:		
Description:	Height of Highest Occupied Floor Level is 50 feet.	
Source of Findings:		
Suggested Plan of	N/A	



Action:	
Suggested Deadline Date:	
Standard:	Provide maximum height of highest occupied floor level above grade for each type of building and ancillary structure.

Fire Protection Systems

Question:	Does the building have a Standpipe System?
Priority Level:	High
Non-Compliance Level:	3
Description:	Standpipe for fire fighting system not found. Found two, 1-inch, GI pipes for water lifting.
Source of Findings:	Visual Assessment: No standpoint system found.
Suggested Plan of Action:	Install a standpipe system at required locations designed by a qualified fire protection engineer. Standpipe system must comply with the requirements of NFPA 14.
Suggested Deadline Date:	31 Oct 2014
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2
Question:	Does the building have a fire pump?
Priority Level:	High
Non-Compliance Level:	3
Description:	Fire pump not found. One ordinary water pump found which has a capacity of 1.5 KW.
Source of Findings:	Visual Assessment: Fire pump not found.
Suggested Plan of Action:	Install a dedicated fire pump for the facility in accordance with NFPA 20 to supply the demands of the connected fire protection systems along with a stored source of water sufficient to meet the demands in accordance with NFPA 22. Fire pump installation is to be tested for final acceptance in presence of Alliance and a final inspection of the installation shall be conducted by the Alliance prior to final acceptance of the installation by the Alliance as per clause 5.5.5. Acceptance testing of the installation shall be in accordance with NFPA 20, 22, and 25 testing requirements. Documentation of all testing shall be submitted to the Alliance for review prior to final acceptance by the Alliance.
Suggested Deadline Date:	31 Oct 2014



Standard:	Alliance Standard Part 5 Fire Protection Systems	
Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Fire alarm control panel is not found.	
Source of Findings:	Visual Assessment: Fire alarm control panel is not found.	
Suggested Plan of Action:	Install an automatic fire alarm and detection system for the facility. System shall comply with the Alliance Standard and NFPA 72. Consult a qualified fire protection engineer and/or authorized fire alarm company to design and install the system.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standard Part 13 Section 13.10 Maintenance of Fire Protection Equipment	
Question:	Are notification and initiation devices for the fire alarm system installed at required locations based on occupancy type?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	No fire alarm and detection system is installed in the building.	
Source of Findings:	Visual Assessment: No fire alarm and detection system is installed	
Suggested Plan of Action:	Install initiating devices and notification appliances as required by the Alliance Standard and NFPA 72. Devices should be part of an automatic fire alarm and detection system for the facility. All fire alarm installations shall be submitted for review by the Alliance prior to commencement of installation	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Pull stations at egress points, smoke detectors in air handling equipment, visual and audible devices spaced appropriately based on occupancy type. Reference NFPA 72	
Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Siamese connections were not found.	



Source of Findings:	Visual Assessment: Siamese connections were not found.	
Suggested Plan of Action:	Provide Fire Department (Siamese) connections in accordance with Alliance Standard Section 5.5.4. Connections shall match the Fire Service and Civil Defence hose thread standard.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections	
Question:	Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	A fire alarm control panel is not found. The fire alarm and detection system is not centrally monitored.	
Source of Findings:	Visual Assessment: Fire alarm and detection system not found. No central monitoring.	
Suggested Plan of Action:	Install a new automatic fire alarm and detection system. Once installed, arrange for direct connection of the fire alarm and detection system to a central station monitoring service or the Fire Service and Civil Defense as per Alliance Standard Part 5 Section 5.7.5 Monitoring. Until that time that a central station monitoring service or direct connection to the Fire Service and Civil Defence can be set up, a person trained to contact the Fire Service and Civil Defence in the event of fire alarm activation shall be provided. An annunciator shall be located in a constantly attended location (such as a fire control room) to alert this person	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	
Means of Egress		
Question:	All occupied roofs are provided with parapets or guards with a minimum height of 1067 mm (42 in.).	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Parapets found which is 36 inch high in the building.	
Source of Findings:	Photograph: Parapets found which is 36 inch high	
Suggested Plan of Action:	Provide parapets or guards with a minimum height of 1067 mm (42 in.) for all occupiable roof areas in accordance with Alliance Standard Section 6.12.	
Suggested Deadline	31 Oct 2014	



Date:		
Standard:	Alliance Standard Part 6 Section 12 Handrails and Guards	
Question:	Occupant loads are posted for every assembly and production floor in a conspicuous space near the main point of egress.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Occupant loads are not posted.	
Source of Findings:	Visual Assessment: Occupant load signs are not posted.	
Suggested Plan of Action:	Post the occupant load for all assembly and production floor areas in a conspicuous space near the main exit or exit access doorway for the space in accordance with Alliance Standard Section 6.4.4.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
Question:	Emergency power for means of egress illumination is verified at least once per year. If battery operated lights are used, these lights are tested on a monthly basis. Functional testing of battery powered lights is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Emergency power for means of egress illumination not verified on a monthly basis.	
Source of Findings:	Visual Assessment: Emergency power for means of egress illumination is not verified on a monthly basis.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for all egress lighting is tested at least once per year. If battery operated lighting is used, these lights are tested on a monthly basis. Functional testing of battery powered lighting is to be provided for a minimum 90 min once per year.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting	
Question:	Emergency power for exit signs is tested at least once per year. If battery operated, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year.	
Priority Level:	Medium	



Non-Compliance Level:	3
Description:	Emergency power for exit signs is not tested at least once a year and documentation is not found.
Source of Findings:	Document Review:
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for exit signs is tested at least once per year. If battery operated signs are used, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year.
Suggested Deadline Date:	31 Oct 2014
Standard:	Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.
Question:	Handrails are provided on both sides of each stairway. Intermediate handrails are provided when the stair width exceeds 2.2 m (87 in.). Handrails are not mounted lower than 760 mm (30 in.) or higher than 1100 mm (44 in.).
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Handrails are not provided on both sides of the stairs.
Source of Findings:	Photograph: Handrail is provided on only one side of each stairway. Width of each stair is 60 inches.
Suggested Plan of Action:	Provide handrails on both sides of each stairway. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.). Mount handrails at a height between 30 in. and 44 in..
Suggested Deadline Date:	31 Oct 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards



Fire Safety Programs

Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Training programs are not implemented and documented in accordance with the Alliance Safety Training Curriculum.
Source of Findings:	Visual Assessment: Training programs are not implemented and documented accordingly.
Suggested Plan of	Implement training programs and document in accordance with the Alliance



Action:	Safety Training Curriculum.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standards Part 13	
Question:	A written housekeeping policy is established and enforced.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	A written housekeeping policy is not established and enforced.	
Source of Findings:	Document Review: A written housekeeping policy is not found.	
Suggested Plan of Action:	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standards Part 13 Section 13.6 Housekeeping	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	A hot-work permit program has not been established.	
Source of Findings:	Document Review: A hot-work permit program has not been established.	
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	Smoking is only allowed at designated areas.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	Smoking policy is not found.	
Source of Findings:	Document Review: Smoking policy is not found., Photograph: 'No smoking zone' is found.	

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Suggested Plan of Action:	Smoking is prohibited in garment factory buildings and similar uses. "No Smoking" signs are provided, but no information regarding designated areas outside the building is provided. If the Owner creates a designated smoking area outside the buildings, information on the location of these designated areas shall be posted on the "No Smoking" signs.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standards Part 13 Section 13.5 Smoking	