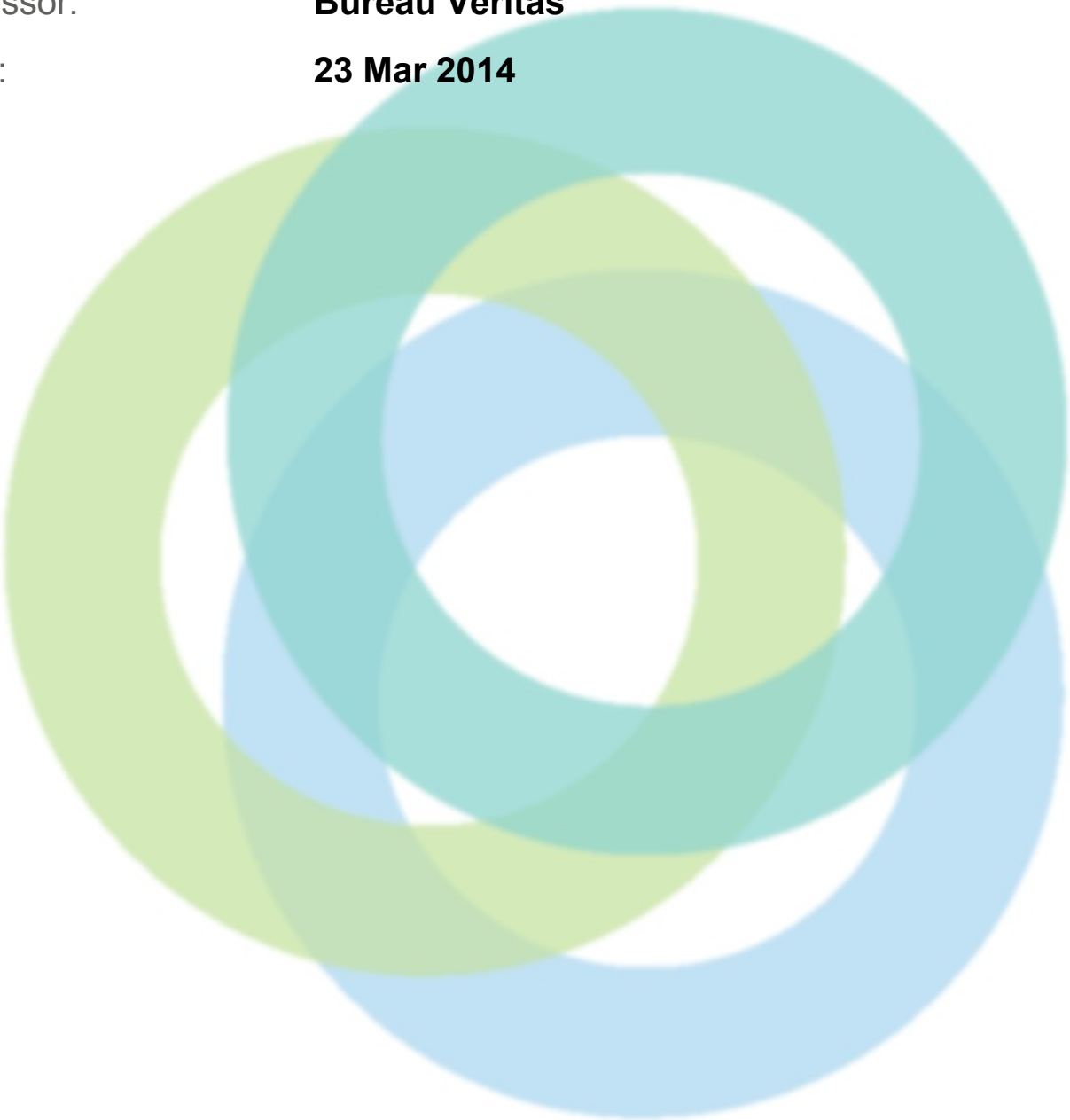


INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Fashionit Company Limited**
Address: **Hazi Hamidullah Mansion, Jamgara Ashulia, Saver
Dhaka Dhaka Bangladesh**
Assessor: **Bureau Veritas**
Date: **23 Mar 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:	Fashionit Company Limited
Address:	Hazi Hamidullah Mansion, Jamgara Ashulia, Saver Dhaka Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Dhaka
Zip Code:	1349
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	05-10-2014
Final Report Date:	06-22-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 5 buildings: 1. Main building, 2. Generator building, 3. Boiler shed, 4. Security building, 5. Pump house (under construction)
Is the building(s) owned or rented by the Factory:	Rented
Number of Building Levels (Stories):	1. Main building - Highest occupied floor level: 28.96 m (95 ft), Building height: 32.01 m (105 ft), Stories above grade: 10, Stories below grade: 0, Occupied levels: 10.
Approximate Building Area (SF):	1. Main building: 208,550 sq ft (Ground floor: 22,500 sq ft, 1st floor: 22,500 sq ft, 2nd floor: 22,500 sq ft, 3rd floor: 22,500 sq ft, 4th floor: 22,500 sq ft, 5th floor: 22,500 sq ft, 6th floor: 22,500 sq ft, 7th floor: 22,500 sq ft, 8th floor: 22,500 sq ft, 9th floor: 6,000 sq ft.); 2. Generator building: 600 sq ft; 3. Boiler shed: 2,000 sq ft; 4. Security building: 120 sq ft; 5. Pump house: 50 sq ft.
Date of Building Construction:	No record for date of construction was found from factory personnel. The buildings are rented. Factory personnel informed that construction was completed in 2005. Pump house is under construction.
Date of Last Building Renovation/Addition:	No record for date of construction was found from factory personnel.
Ancillary Structures in Complex:	There are 4 ancillary structures: 1. Generator building: Used for generator and oil-filled transformer; 2. Boiler shed: Used as boiler room and treatment plant; 3. Security building: Used as security post; 4. Pump house (under construction).

Factory Name: **Fashionit Company Limited**
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 FOR BANGLADESH WORKER SAFETY

Approximate Ancillary Structures Area (SF):	1. Generator building: 600 sq ft; 2. Boiler shed: 2,000 sq ft; 3. Security building: 120 sq ft; 4. Pump house: 50 sq ft.
Number of Occupants:	Total occupants: 1,387. 1. Main building: 1,374 [ground floor: 147, 1st floor: 184, 2nd floor: 181, 3rd floor: 162, 4th floor: 353, 5th floor: 171, 6th floor: 23, 7th floor: 17, 8th floor: 136, 9th floor: 0 (maximum 600 occupants during lunch time); 2. Generator building: 5; 3. Boiler shed: 5; 4. Security building: 3; 5. Pump House (under construction).
Number of Ancillary Levels (Stories):	1. Generator building - Highest occupied floor level: grade level, Building height: 4.57 m (15 ft), Stories above grade: 1, Stories below grade: 0, Occupied levels: 1; 2. Boiler shed - Highest occupied floor level: grade level, Building height: 5.48 m (18 ft), Stories above grade: 1, Stories below grade: 0, Occupied levels: 1; 3. Security building - Highest occupied floor level: grade level, Building height: 2.75 m (9 ft), Stories above grade: 1, Stories below grade: 0, Occupied levels: 1; 4. Pump house: Highest occupied floor level: grade level, Building height: 2.75 m (9 ft), Stories above grade: 1, Stories below grade: 0, Occupied levels: 1.



ASSESSMENT FINDINGS

Fire Protection Construction

Question:	Are exit enclosures provided with fire-resistive rated construction barriers?
Priority Level:	High
Non-Compliance Level:	3
Description:	There are 3 staircases in the 10 story main building. Two of these stairs are required based on occupant load and travel distance. None of the stairs are provided with fire-resistive rated construction barriers. No fire door is installed at exit of any floor. At 9th floor, staircase is open to dining.
Source of Findings:	Photograph: Exit enclosure without fire door.
Suggested Plan of Action:	Provide 2 hr fire-resistive rated construction barriers at exit enclosures. Install outward opening, side-swinging, self-closing, non-lockable fire doors of 1.5 hr rating in all stairwell enclosures. Consult a qualified fire protection engineer to design the required rated construction barriers.
Suggested Deadline Date:	27 Sep 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation
Question:	Are openings and penetrations through rated walls and/or assemblies protected?
Priority Level:	High
Non-Compliance Level:	1
Description:	Openings in generator building and boiler shed are not protected.
Source of Findings:	Photograph: Photo-1: Opening in generator room. Photo-2: Opening in boiler room.
Suggested Plan of Action:	Provide fire-resistive rated opening and penetration protection for rated walls and assemblies in accordance with Alliance Standard Sections 4.6 and 4.7. Consult a qualified fire protection engineer to design the required opening protectives or penetration systems.
Suggested Deadline Date:	27 Sep 2014
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations





Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Child care is opposite to oil-filled transformer room without proper fire separation. Iron storage is located beside child care. Both of the doors are non-rated and within half feet distance. Boiler room is open to production area at ground floor. At ground floor of main building, miscellaneous storage is kept open within 10 ft distance from iron section.
Source of Findings:	Photograph: Photo-1: Oil-filled transformer at ground floor. Photo-2: Child care room with Swing glass door beside iron storage. Photo-3: Boiler room open to production area Photo-4: Miscellaneous storage kept close to iron section Photo-5: Miscellaneous storage and iron section without fire separation.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between hazard types. Consult a qualified fire protection engineer to design the required rated construction barrier. Maintain at least 10 ft distance from miscellaneous storage to any other occupancy or provide fire separation.
Suggested Deadline Date:	20 Dec 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation
Question:	Certificates of Occupancy for each building have been issued and are on file.
Priority Level:	Low
Non-Compliance Level:	1
Description:	No occupancy certificate available for any building in the factory premises.
Source of Findings:	Document Review: There was no occupancy certificate for any of the buildings among the documents shown by the factory concerned people.
Suggested Plan of Action:	Apply to Saver Cantonment Board for issuance of occupancy certificate and pursue the matter to expedite.
Suggested Deadline Date:	16 Aug 2014
Standard:	Are certificates of occupancy provided for each building or ancillary structure?
Question:	Occupancy Type
Priority Level:	
Non-Compliance Level:	





Description:	1. Main building - Ground floor: G2 (Iron, Washing, Dryer, Miscellaneous store), B2 (Child care), H2 (Iron store, Chemical store), F1 (Maintenance), 1st floor: G2 (Sewing, Finishing, Packing, Mending, QC), H2 (Finished goods store), 2nd floor: G2 (Knitting, Sewing, Packing), H2 (Finished goods store, Accessories store), 3rd floor: G2 (Knitting, Winding, Mending), F1 (Conference room), 4th floor: G2 (Stitching), H2 (Yarn store), 5th floor: G2 (Linking), H2 (Finished goods store), 6th floor: H2 (Idle machine store, store, Sample section), F1 (Office), D1 (Medical room), 7th floor: H2 (Yarn store), G2 (Winding), 8th floor: G2 (Auto Knitting, Winding, Inspection), H2 (Yarn store), F1 (Office, Maintenance room), 9th floor: E3 (Dining); 2. Generator building - K (Generator, Oil-filled transformer); 3. Boiler shed - K (Treatment plant, boiler); 4. Security building - F1 (Office); 5. Pump house: K (pump).
Source of Findings:	
Suggested Plan of Action:	
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:	1. Main building: Type-1; 2. Generator building: Type-1; 3. Boiler shed: Non-rated; 4. Security building: Type-1; 5. Pump house: Non-rated.
Source of Findings:	
Suggested Plan of Action:	
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:	1. Main building: 28.96 m (95 ft); 2. Generator building: grade level; 3. Boiler shed: grade level; 4. Security building: grade level; 5. Pump house: grade level.
Source of Findings:	



Suggested Plan of 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:	Trouble or alarm notifications were not indicated on the fire alarm control panel.
Priority Level:	High
Non-Compliance Level:	3
Description:	Centralized automatic fire alarm and smoke/heat detection system with control panel is not available. Only stand alone detectors are available.
Source of Findings:	Visual Assessment: Fire detection control panel is not available.
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:	27 Sep 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:	3
Description:	Standalone smoke detector, manual alarm system and pull stations are provided.
Source of Findings:	Photograph: Stand alone smoke detector., Visual Assessment: During site visit it was found that standalone smoke detector, manual alarm system and pull stations are provided.
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:	27 Sep 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:	Is the building protected by an automatic sprinkler system?	 
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Height of highest occupied floor is 28.96 m (95 ft) which is more than 23 m. Therefore, the building needs to be protected by automatic sprinkler system according to Alliance Standards Part 5, Section 5.3. Only 6th, 7th and 8th floor are partially protected by automatic sprinkler system, but 9th, 5th, 4th, 3rd, 2nd, 1st and ground floor are not protected by automatic sprinkler system. Approved hydraulic design and shop drawings were not found.	
Source of Findings:	Photograph: Photo-1: Sprinkler-protected area. Photo-1: Floor without sprinkler.	
Suggested Plan of Action:	Install an automatic sprinkler system throughout the building designed by a qualified fire protection engineer. The hydraulic design of the sprinkler system has to be pre-approved by CoE of Alliance. Installation of new automatic sprinkler systems shall be required to provide shop drawings and hydraulic calculations as outlined in NFPA 13. The test and performance report of the installed system has to be submitted to Alliance for review. Final inspection and testing shall be witnessed by Alliance according to clause 5.3. Deadline date to start Design-27 Sep 2014, Design Complete- 20 Dec 2014, Begin Construction- 14 Mar 2015.	
Suggested Deadline Date:	20 Dec 2014	
Standard:	Reference Alliance Standards Part 3 Section 3.5.3 Existing Buildings, Part 5 Section 5.3 Automatic Sprinkler Systems and Section 6.13 Travel Distance	
Question:	Does the building have a Standpipe System?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Height of the highest occupied floor of the main building is 28.96 m (95 ft) above grade i.e. above 23 m (75 ft). Automatic sprinkler system following NFPA 13 is not provided. Therefore, class I standpipe system along with sprinkler system need to be installed throughout the building as per Alliance Standard 5.4.2, 5.3.2.1 and NFPA 14. But only class II stand pipe system (40 mm hose connections with hose stations) is installed in the main building. There is no approved hydraulic design for the installed system.	
Source of Findings:	Photograph: Class-II standpipe hose connection.	
Suggested Plan of Action:	Install a standpipe system at required locations designed by a qualified fire protection engineer. The system is to be compliant with the requirements of NFPA 14. The hydraulic calculations should be reviewed by Alliance and review to be completed prior to start of work. All standpipe system installations shall be submitted for review by the Alliance for review prior to commencement	



	of installation according to 5.4.3.2. Testing of the installation shall be conducted in accordance with NFPA 14 acceptance testing requirements. Documentation of all testing shall be submitted for review by the Alliance. Final inspection and testing of the installation shall be witnessed by the Alliance as per clause 5.4.3.3.
Suggested Deadline Date:	27 Sep 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:	2
Description:	Fire pump is available, however it does not comply with the requirements of Alliance Standards and NFPA 20. Hydraulic calculation for required standpipe and sprinkler systems are not also available. Therefore, required capacity of fire pump is not known. However, hose pressure is sufficient at roof top.
Source of Findings:	Photograph: Hose pressure is sufficient at top floor.
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 24 testing requirements. Documentation of all testing shall be submitted to the Alliance for review prior to final acceptance by the Alliance.
Suggested Deadline Date:	27 Oct 2014
Standard:	Alliance Standard Part 5 Fire Protection Systems
Question:	Are sprinklers spaced and installed at the required heights in order to provided required coverage and protection?
Priority Level:	High
Non-Compliance Level:	1
Description:	Automatic sprinkler system is not designed and installed throughout the whole building.
Source of Findings:	Visual Assessment: During site tour, sprinkler system was not found installed covering the whole building.
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer.





Suggested Deadline Date:	14 Mar 2015	
Standard:	Reference NFPA 13	
Question:	Are storage racks and shelves compliant based on class of commodity storage?	
Priority Level:	High	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed throughout the whole building.	
Source of Findings:	Visual Assessment: During site tour, sprinkler system was not found installed covering the whole building.	
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer.	
Suggested Deadline Date:	14 Mar 2015	
Standard:	Reference NFPA 13 Chapter 13, 14, 15, 16, or 17	
Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Fire department connections are not provided to allow fire department pumper equipment to supplement the fire protection systems as per clause 5.5.4.	
Source of Findings:	Visual Assessment: During site tour, no fire department connection was noticed.	
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:	20 Dec 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:	Automatic fire alarm and detection system is not available in the factory	



	buildings. Besides, currently there is no monitoring company in Bangladesh. Fire service and civil defense is not also capable of monitoring fire alarm and detection systems of the factories.	
Source of Findings:	Photograph: Stand-alone smoke detector.	
Suggested Plan of Action:	Install a new automatic fire alarm and detection system. Once installed, arrange for direct connection of the fire alarm system to a central monitoring station or Fire Service and Civil Defense as per Alliance Standard Part 5 Section 5.7.5 Monitoring. Until that time that monitoring can be set up, arrange a monitoring system using own central detection system and personnel. A person shall be assigned to contact the fire department in the event of fire alarm activation. An annunciator shall be located in a constantly attended location (such as a fire control room) to alert this person.	
Suggested Deadline Date:	27 Sep 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	
Question:	Sprinkler system piping is free of mechanical damage, leakage, and corrosion.	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed throughout the whole building. Piping of installed sprinkler system is not damaged, leaked or corroded.	
Source of Findings:	Visual Assessment: On visual inspection, any damage or leak or corrosion on pipes of sprinkler system was not noticed.	
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer.	
Suggested Deadline Date:	14 Mar 2015	
Standard:	NFPA 25 Chapter 5 Section 5.2.2 Pipe and Fittings	
Question:	Are hangers, bracing, and restraints properly installed and supporting the system piping?	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed throughout the whole building. Hangers, bracing and restraints are properly installed and support the system piping.	
Source of Findings:	Visual Assessment: On visual inspection, hangers, bracing and restraints supporting sprinkler system seemed sufficient.	
Suggested Plan of	Install an automatic sprinkler system designed by a qualified fire protection	



Action:	engineer.	
Suggested Deadline Date:	14 Mar 2015	
Standard:	Reference NFPA 13 Chapter 9 Hanging, Bracing, and Restraint of System Piping.	
Question:	Sprinklers do not show signs of leakage, are free of corrosion, have not been painted, and are not physically damaged.	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed throughout the whole building. Sprinklers are not leaked, damaged or corroded. Sprinklers are not painted.	
Source of Findings:	Visual Assessment: During site tour no damaged or leaked or corroded sprinkler was seen.	
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer.	
Suggested Deadline Date:	14 Mar 2015	
Standard:	Reference NFPA 25 Chapter 5	
Question:	All valves controlling the automatic sprinkler systems are electrically supervised by a listed fire alarm system control unit.	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed throughout the whole building. Valves of the installed system is not electrically supervised.	
Source of Findings:	Document Review: There was no document regarding supervision of valves for sprinkler system among the documents shown by the factory personnel.	
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer. Provide electrically supervised devices on the valves controlling the automatic sprinkler systems. Devices are to be supervised by a listed fire alarm system control unit.	
Suggested Deadline Date:	14 Mar 2015	
Standard:	Reference Alliance Standard Part 5 Section 5.3.5 Supervision and Alarms.	
Question:	Aisles in storage areas are free of storage based on design criteria used for the sprinkler system.	



Priority Level:	Medium
Non-Compliance Level:	1
Description:	Automatic sprinkler system is not designed and installed throughout the whole building.
Source of Findings:	Visual Assessment: During site tour, sprinkler system was not found installed covering the whole building.
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer.
Suggested Deadline Date:	14 Mar 2015
Standard:	Alliance Standard Part 5 Section 5.3.6.3
Question:	All storage is maintained with a 460 mm (18 in.) minimum clearance from the top of storage to the sprinkler deflector.
Priority Level:	Medium
Non-Compliance Level:	1
Description:	Automatic sprinkler system is not designed and installed throughout the whole building.
Source of Findings:	Visual Assessment: During site tour, sprinkler system was not found installed covering the whole building.
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer.
Suggested Deadline Date:	14 Mar 2015
Standard:	Reference Alliance Standards Part 5 Section 5.3.6.1 Storage Clearance
Question:	Standpipe system piping is free of mechanical damage, leakage, and corrosion?
Priority Level:	Medium
Non-Compliance Level:	1
Description:	NFPA-compliant standpipe system is not installed in the building. Damage, leakage or corrosion was not found in the installed standpipe system piping.
Source of Findings:	Visual Assessment: Mechanical damage, leakage or corrosion was not found in the available standpipe system.
Suggested Plan of Action:	Install a standpipe system at required locations designed by a qualified fire protection engineer. The system is to be compliant with the requirements of NFPA 14.



Suggested Deadline Date:	27 Sep 2014	
Standard:	NFPA 25 Chapter 6 Standpipe and Hose Systems	
Question:	Are inspection, maintenance, and testing procedures of the sprinkler system documented and up to date?	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed where required/ throughout the whole building. Inspection, maintenance, and testing procedures of the sprinkler system is not documented and updated as per NFPA 25 chapter 5 Table 5.1.1.2.	
Source of Findings:	Document Review: No document of Inspection, maintenance, and testing procedures of the sprinkler system found	
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer. Then establish maintenance program that includes the requirements established in NFPA 25.	
Suggested Deadline Date:	14 Sep 2015	
Standard:	Reference NFPA 25 Chapter 5 Sprinkler Systems Table 5.1.1.2	
Question:	Are identification signs for the sprinkler system installed at the required locations?	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed where required/ throughout the whole building. Identification signs for the installed sprinkler system are not installed at the required locations as per NFPA 13.	
Source of Findings:	Visual Assessment: No Identification signs found on available sprinkler system.	
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer. Then install identification signage at the required locations. The five basic types of identification signs are as follows: Type A- Control Valve Sign Type B- Multi-Purpose Text Signs Type D- Fire Alarm Sign Type E- Hydraulic Calculation Sign Reference NFPA 13 for signage requirements.	
Suggested Deadline Date:	14 Sep 2015	
Standard:	Reference NFPA 13	
Question:	Sprinkler system piping is not subjected to external loads by materials either resting on the pipe or hung from the pipe?	



Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed throughout the whole building. No external load is applied to the pipes.	
Source of Findings:	Visual Assessment: Available Sprinkler system piping is not subjected to external loads.	
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer.	
Suggested Deadline Date:	14 Mar 2015	
Standard:	Reference NFPA 25 Chapter 5 Section 5.2.2.2	
Question:	Does the automatic sprinkler system have an approved audible device activated by waterflow equal to the flow of one sprinkler?	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Automatic sprinkler system is not designed and installed throughout the whole building.	
Source of Findings:	Visual Assessment: During site tour, sprinkler system was not found installed covering the whole building.	
Suggested Plan of Action:	Install an automatic sprinkler system designed by a qualified fire protection engineer.	
Suggested Deadline Date:	14 Mar 2015	
Standard:	Reference Alliance Standards Part 5 Section 5.3.5.2 Alarms.	
Question:	Are inspection, maintenance, and testing procedures of the standpipe and hose system documented and up to date? Including inspection and testing of hoses if provided.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	NAPA-compliant standpipe system is not installed in the building. Inspection, maintenance, and testing procedures of the installed class II standpipe and hose system is not documented and up to date.	
Source of Findings:	Visual Assessment: No document regarding inspection, maintenance and testing procedure of standpipe and hose system was found among the documents shown by the factory personnel	
Suggested Plan of	Once installed, establish an inspection, testing, and maintenance program for	



Action:	the standpipe system. Program must comply with NFPA 25. Any newly installed standpipe system needs to be evaluated for compliance with the design pressure and flow demands of NFPA 14 or BNBC Section 5.4.3.	
Suggested Deadline Date:	20 Dec 2014	
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2	
Question:	Is signage for the standpipe system installed at required locations and on required components?	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	NFPA-compliant standpipe system is not installed in the building. Signage for the available standpipe system is not installed.	
Source of Findings:	Visual Assessment: Signage for the available standpipe is not installed.	
Suggested Plan of Action:	Install a compliant standpipe system at required locations designed by a qualified fire protection engineer. The system is to be compliant with the requirements of NFPA 14. Install required identification signs at the noted locations. Signage must comply with NFPA 14 Chapter 6.	
Suggested Deadline Date:	27 Sep 2014	
Standard:	Reference NFPA 14 Chapter 6	
Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Installed fire pump does not comply with the requirements of Alliance Standards and NFPA 20. Inspection, maintenance, and testing procedures of the installed pump is not documented and up to date.	
Source of Findings:	Document Review: No inspection, maintenance, and testing procedures of the fire pump documented and up to date.	
Suggested Plan of Action:	Install a dedicated fire pump for the facility following the requirements of NFPA 20 as mentioned in Alliance Standard Section 5.5.1. Then establish an inspection, maintenance, and testing program for the fire pump. Program must comply with NFPA 25.	
Suggested Deadline Date:	20 Dec 2014	
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps	
Means of Egress		



Question:	Doors along the path of egress have a minimum width of 0.8 m (32 in) and have required ratings.
Priority Level:	High
Non-Compliance Level:	3
Description:	Door widths are more than 0.8m. The doors are collapsible and glass door, therefore obviously non-rated. Fire doors of proper rating are required in accordance with section 6.3.1.2.2 and 4.6.
Source of Findings:	Photograph: Collapsible type door.
Suggested Plan of Action:	Replace non-compliant doors and frames in the means of egress with side-swinging doors. Replacement doors shall be a minimum width of 0.8 m (32 in), and are listed, approved, self-closing, fire rated doors assemblies (door and frame) with latching panic hardware.
Suggested Deadline Date:	27 Sep 2014
Standard:	Alliance Standard Part 6 Section 6.5.6 Minimum Widths. Increased occupant loads will require a door width greater than 0.8 m.
Question:	All doors in a means of egress are of the side-hinged swinging type.
Priority Level:	High
Non-Compliance Level:	3
Description:	All the exit doors are collapsible gates and swinging glass type.
Source of Findings:	Photograph: Collapsible type exit.
Suggested Plan of Action:	Replace all non-compliant doors and frames in the means of egress with side-swinging doors. Replacement doors shall be listed, approved, self-closing, fire rated doors assemblies (door and frame) with latching panic hardware.
Suggested Deadline Date:	27 Sep 2014
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates
Question:	Doors are not locked in the direction of egress under any conditions. All hasps, locks, slide bolts, and other locking devices have been removed where required.
Priority Level:	High
Non-Compliance Level:	2
Description:	There are collapsible type and swinging glass doors with locking arrangement but doors are not locked.
Source of Findings:	Photograph: Collapsible type exit.





Suggested Plan of Action:	Remove all hasps, locks, slide bolts, or other locking devices at the noted locations	
Suggested Deadline Date:	27 Sep 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
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 in any assembly or production floor.	
Source of Findings:	Visual Assessment:	
Suggested Plan of Action:	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	
Suggested Deadline Date:	02 Aug 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:	Record of verifying emergency power for means of egress illumination was not found which is required as per Alliance Standards Part 10 Section 10.12.2.3.	
Source of Findings:	Document Review: No document regarding verification of emergency power for means of egress was found among the documents shown by the factory personnel.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the operation of all exist lights are verified at least once per year. If battery-operated lights are used, these lights shall be tested on a monthly basis. Functional testing of battery powered lights shall be provided for a minimum 90 min once per year	
Suggested Deadline Date:	02 Aug 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:	No plan or record of conducting periodic test for the emergency battery back up of illumination of exit sign was found as demanded in section 10.12.1.4 of Alliance Standard.	
Source of Findings:	Document Review: No document regarding testing of emergency power for exit signs was found among the documents shown by the factory personnel.	
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:	02 Aug 2014	
Standard:	Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.	
Question:	Every door in a stair enclosure serving more than 5 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	The main building has 10 stories, but doors are not provided with re-entry. Stair doors with re-entry are required in at least 2 floors according to Alliance Standards Part 6 Section 6.8.3. The buildings other than the main building are single-storied, therefore re-entry is not required for those buildings.	
Source of Findings:	Visual Assessment: During site tour, no re-entry door was found in the buildings.	
Suggested Plan of Action:	Provide re-entry doors at 8th and 3rd floor. Every door in required stair enclosures serving more than 5 stories shall be provided with re-entry unless it meets the following requirements. Stair doors may be permitted to be locked from the stair (ingress) side that prevents re-entry to the floor provided at least two floors allowing re-entry to access another exit are provided, there are not more than 4 stories intervening between re-entry floors, re-entry is allowed on the top or next to top level, reentry doors are identified as such on the stair side, and locked doors shall be identified as to the nearest re-entry floors. When the discharge floor is determined to be a required re-entry floor using the above requirements, re-entry does not have to be provided back into the building on this level.	
Suggested Deadline Date:	27 Sep 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	



Question:	Illuminated exit signs are placed at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Illuminated exit signs are placed at some entrances to exits, but not placed along the path of egress.
Source of Findings:	Photograph: Illuminated exit sign not placed at entrance to exit
Suggested Plan of Action:	Install Illuminated exit signs at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.
Suggested Deadline Date:	20 Dec 2014
Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs
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:	2
Description:	Out of the two required stairs, one is provided with handrail on both side, but the other is not. Stair-02, which is not an emergency stair has handrail on one side only. Handrail height is 34 and 35 inch.
Source of Findings:	Photograph: Photo-1: handrail is provided on one side only at stair-02. Photo-2: Hand rail provided on both side in stair-01 & stair-03.
Suggested Plan of Action:	Provide handrails on both side of each stairway. Provide intermediate handrail when the stair width exceeds 2.2m (87 inch). Provide handrail of height between the range 865 mm (34 in.) and 965 mm (38 in.).
Suggested Deadline Date:	20 Dec 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards
Question:	All paths of egress are provided with compliant means of illumination.
Priority Level:	Medium
Non-Compliance Level:	1
Description:	All paths of egress are not provided with compliant means of illumination. Inadequate ordinary CFL bulbs are used as emergency lights, which do not provide sufficient illumination as required in accordance with Alliance Standard Part 10 Section 10.12.2.1.





Source of Findings:	Photograph: Means of egress are not compliantly illuminated.	
Suggested Plan of Action:	Install appropriate means of illumination at the noted locations. The means of egress paths shall be illuminated at all times the building is occupied. Illumination shall be a minimum of 10 lux for all corridors, exit doors, and stairways. Aisles shall be provided with a minimum 2.5 lux.	
Suggested Deadline Date:	20 Dec 2014	
Standard:	Alliance Standards Part 6 Section 6.7 Egress Illumination and Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape	
Question:	Exit signs have appropriate illumination levels and contrasting graphics.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Exit signs do not have appropriate illumination levels and contrasting graphics.	
Source of Findings:	Photograph: Exit sign without appropriate illumination level	
Suggested Plan of Action:	Make sure all required exit signs are illuminated all times. Exit signs may be illuminated either by lamps external to the sign or by lamps contained within the sign. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self-luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2cd/m2 may also be used.	
Suggested Deadline Date:	20 Dec 2014	
Standard:	Alliance Standard Part 10 Section 10.12.1 Exit Signs	
Question:	Stair designation signs are provided at each floor entrance from the stair to the floor in English and Bengali. Signs indicate the name of the stair and the floor level. Signs are posted adjacent to the door.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Floor levels are mentioned but stair designations are not mentioned.	
Source of Findings:	Photograph: Floor level mentioned.	
Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in English and Bengali.	
Suggested Deadline Date:	02 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs	

Fire Safety Programs



Question:	Are the required number of people trained and certified in fire fighting, first aid, and rescue training by the appropriate authority.	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Document or certificate by appropriate authority for training on fire fighting, first aid and rescue is not available.	
Source of Findings:	Document Review: No document regarding fire training has been found among the documents shown by factory personnel.	
Suggested Plan of Action:	Get at least 25 percent worker trained and certified in fire fighting, first aid and rescue training by the proper authority.	
Suggested Deadline Date:	20 Dec 2014	
Standard:	Alliance Standard Part 13 Human Element Programs	
Question:	An emergency evacuation plan has been developed and communicated to all employees.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	No record of developing and communicating any emergency evacuation plan has been found. But factory authority informs that they have done this.	
Source of Findings:	Document Review: Among the documents shown by the factory personnel, no proper emergency evacuation plan was found.	
Suggested Plan of Action:	Develop an emergency evacuation plan which includes duties and responsibilities of various people/groups, interfacing between groups and fire brigade, headcount and identification of trapped victims, physically disabled people and their rescue, etc. and all components required by the Alliance Standards and communicate the plan to all employees. The evacuation plan shall include provisions to assist physically disabled persons. A list of all employees with physical disabilities shall be kept by the Fire Service Director.	
Suggested Deadline Date:	02 Aug 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	



Question:	Chemicals and other flammable materials are stored within approved enclosures.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	chemicals and flammable materials are stored at ground floor of main building. Door of this room is not fire rated. Sliding steel door is provided in chemical store. However, the chemicals are not that much hazardous.
Source of Findings:	Photograph: Photo-1: Sliding steel door is provided in chemical store. Photo-2: Chemical store
Suggested Plan of Action:	Store flammable chemicals away from combustible materials in designated areas and/or in a flammables cabinet or room with sufficient fire rated construction.
Suggested Deadline Date:	19 Jul 2014
Standard:	
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	No document of any training program in accordance with the Alliance Safety Training Curriculum was found.
Source of Findings:	Document Review: Alliance safety training curriculum was not found among the documents shown by factory personnel.
Suggested Plan of Action:	Provide training in accordance with Alliance Safety Training Curriculum and keep record with proper documentation.
Suggested Deadline Date:	02 Aug 2014
Standard:	Alliance Standards Part 13
Question:	Fire Drills are conducted at required intervals based on building use type.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Fire drills are conducted at required interval but not under the direction of a Fire Safety Director. This does not meet the requirements of Alliance Standard Part 13 Section 13.2 and BNBC Part 4 Appendix A Page 10457.
Source of Findings:	Document Review: Fire Drills are conducted at required intervals





Suggested Plan of Action:	Conduct fire drills on a quarterly basis as outlined in BNBC Part 4 Appendix A for all garment facilities. Fire drills shall be conducted under the direction of a Fire Safety Director. All other requirements for fire drills shall be conducted in accordance with BNBC Part 4 Appendix A.	
Suggested Deadline Date:	02 Aug 2014	
Standard:	Alliance Standards Part 13 Section 13.3 Fire Drills	
Question:	A Fire Safety Director position has been filled.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	No viable documentation and physical presence of Fire Safety Director was noted. However factory has informed that they have a designated person for this.	
Source of Findings:	Document Review: No documentation related to fire safety director position was found.	
Suggested Plan of Action:	Create a Fire Safety Director position and fill the position with an individual that has had sufficient training to be able to carry the required duties.	
Suggested Deadline Date:	20 Dec 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	Fire Department pre-planning has not been completed yet.	
Source of Findings:	Document Review: No document regarding fire department pre-planning was found among the documents shown by factory personnel.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defence in accordance with Alliance Standard, Part-13, Section-13.1.1(2).	
Suggested Deadline Date:	02 Aug 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	A written housekeeping policy is established and enforced.	
Priority Level:	Low	
Non-Compliance Level:	3	



Description:	Written housekeeping policy was not established, which is required as per Alliance Standards Part 13 Section 13.6.
Source of Findings:	Document Review: No documentation on written housekeeping policy was 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:	14 Mar 2015
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:	Hot-work is not going on in the premises. Yet hot work permit program needs to be established, which is required as per Alliance Standards Part 13 Section 13.4. No such permit program was found.
Source of Findings:	Document Review: No hot work permit could be presented by the factory personnel.
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B.
Suggested Deadline Date:	20 Dec 2014
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B
Question:	Are all applicable permits up to date including Fire License & Boiler License.
Priority Level:	Low
Non-Compliance Level:	1
Description:	Fire license was valid. Boiler license and BERC waiver certificate were expired.
Source of Findings:	Document Review: Fire license was valid., Photograph: Photo-1: BERC waiver certificate was expired. Photo-2: Boiler license was expired.
Suggested Plan of Action:	Apply to BERC for renewal of waiver certificate and Boiler Department for renewal of Boiler license.
Suggested Deadline Date:	02 Aug 2014
Standard:	Alliance Standard Part 13 Human Element Programs



Factory Name: **Fashionit Company Limited**
Address: **Hazi Hamidullah Mansion, Jamgara Ashulia, Saver Dhaka Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **23 Mar 2014**



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FOR BANGLADESH WORKER SAFETY