INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name:	**Tivoli Apparels Ltd**
Address:	**Plot no. A102, BSCIC Industrial Estate, Tongi, Gazipur Tongi, Gazipur Dhaka Bangladesh**
Assessor:	**Emkay Enterprises LTD**
Date:	**06 Jul 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:	Tivoli Apparels Ltd
Address:	Plot no. A102, BSCIC Industrial Estate, Tongi, Gazipur Tongi, Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Tongi, Gazipur
Zip Code:	1710
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	11 May 2014
Final Report Date:	May 30, 2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	1
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	Basement+ Ground Floor + 5 + Single RCC frame room on roof. (B+G+6)
Approximate Building Area (SF):	153,676.00
Date of Building Construction:	A portion of the building had been completed up-to 6th floor in 2007-2009 and the remaining constructed in 2009-2013.
Date of Last Building Renovation/Addition:	4th, 5th and 6th floor finishing works was going on.
Ancillary Structures in Complex:	0
Approximate Ancillary Structures Area (SF):	N/A
Number of Occupants:	1130

Number of Ancillary Levels (Stories):	N/A

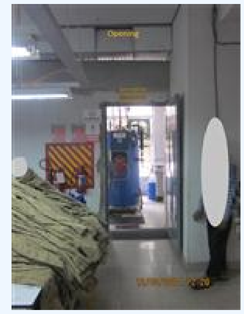
ASSESSMENT FINDINGS

Fire Protection Construction	
Question:	Certificates of Occupancy for each building have been issued and are on file.
Priority Level:	Low
Non-Compliance Level:	1
Description:	Not in Compliance: No occupancy certificate was available during assessment.
Source of Findings:	Document Review: By checking documents it was found that factory doesn't have any occupancy certificate.
Suggested Plan of Action:	Collect Occupancy certificate for each building and ancillary structure as per building use from approving authority.
Suggested Deadline Date:	02 Jul 2014
Standard:	Are certificates of occupancy provided for each building or ancillary structure?
Question:	Occupancy Type
Priority Level:	
Non-Compliance Level:	
Description:	As per running operation of RMG factory, occupancy Type-G2
Source of Findings:	
Suggested Plan of Action:	Not Applicable
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:	Type-1: R.C.C frame structure (Basement to Top floor)
Source of Findings:	
Suggested Plan of	Not Applicable

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:	The total height of the building above grade is 22.87 m (75 ft) (07- stories) and the highest occupiable floor level (from grade level to roof deck) is 19.82 m (65 ft.)	
Source of Findings:		
Suggested Plan of Action:	Not Applicable	
Suggested Deadline Date:		
Standard:	Provide maximum height of highest occupied floor level above grade for each type of building and ancillary structure.	
Question:	Is the fire resistance materials of structural members in good condition and free of damage?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	In Compliance: GF to 6th floor is RCC frame structure building. From visual inspection all those structural members were found free of damage during assessment.	
Source of Findings:	Photograph: Condition of structural members	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	BNBC Part 3 Chapter 3	

Question:	Are openings and penetrations through rated walls and/or assemblies protected?	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Not in compliance with Alliance Standards Part 4 Section 4.6 Opening Protective and Section 4.7 Penetrations.:Exits were not fully protected by continuous fire rated assembly. Unprotected openings were noticed on the wall of fabric store at 2nd floor, on the separation wall of generator room and roll paper store.	
Source of Findings:	Photograph: 01. Unprotected opening at fabric store. 02. Unprotected penetration at generator room	
Suggested Plan of Action:	Install fire rated door assemblies at all exits. Provide fire-resistive rated (1.5-hour for generator and substation room and 0.75-hour for store) opening protection (Door, Window, Hatch Cover etc.) at openings and penetrations through fire rated walls and/or assemblies. Consult a qualified fire protection engineer to design the required rated opening protection.	
Suggested Deadline Date:	13 Aug 2014	
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations	
Question:	Is each floor separated with a fire-resistive rated construction barrier?	
Priority Level:	High	
Non-Compliance Level:		
Description:	In compliance. Typical slab thickness was 125 mm and no floor penetration was found during inspection.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	

Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Not in compliance with Alliance Standard Part 4 Section 4.5 Separation; Part 3 Section 3.4.1.2 Boiler; Section 3.4.2.1.3 generators; 3.4.2.1.5 Storage. No fire separation was provided between generator room and emergency exit route of South-East stair at Ground Floor, boiler room and production floor at 1st floor and stores were not properly fire separated from the surrounding occupancy.
Source of Findings:	Photograph: 01. Unprotected generator room. 02. Unprotected boiler room. 03. Unprotected fabric store.
Suggested Plan of Action:	Rooms used for housing of combustible materials, boiler, shall be separated from the surrounding occupancy with a minimum 1-hour fire rated construction with 0.75-hour fire rated opening protection (doors, windows, etc.). Room housing generator shall be separated from surrounding occupancy with a minimum 2-hour fire rated construction with 1.5-hour fire rated opening protection (doors, windows, etc.). Fire doors shall be of the side-hinged, swinging type and shall swing in the direction of egress. Doors shall have a minimum clear width of 1 m (39 in.). Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	05 Nov 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation



Question:	Are exit enclosures provided with fire-resistive rated construction barriers?
Priority Level:	High
Non-Compliance Level:	3
Description:	Exits were not fully protected by continuous fire rated assemblies as required by Alliance Standards Part 4 Section 4.5 Separation. Collapsible gate, side hinged steel & wooden gates were installed in the exits leading to the stairwell.
Source of Findings:	Photograph: 01. Collapsible gate at exit enclosure. 02. Wooden gate at exit enclosure.
Suggested Plan of Action:	Provide 2-hour fire-resistive rated construction barriers at exit enclosures with 1.5-hour fire-rated opening protection (door, window, etc.). Fire doors shall be side-hinged that swing in the direction of egress with automatic closers, latching hardware, and no locking mechanisms. The doors shall have a minimum clear width of 1 m (39 in.). Required total width of the fire rated door needs to be calculated per Alliance Standard Section 6.5. Every door in a stair enclosure serving more than 5 stories shall be provided with re-entry provision. Consult a qualified fire protection engineer to design the required rated construction barriers with opening protection.
Suggested Deadline Date:	13 Aug 2014

Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	
Question:	Are shafts provided with the minimum fire-resistance rating?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Not in compliance with Alliance Standards Part 4 Section 4.5.7.1 and 4.5.7.3.: Vertical shaft (elevator shaft) is available in the factory building connecting all the floors without proper fire barrier and without opening protection.	
Source of Findings:	Photograph: 01. Unprotected vertical shaft.	
Suggested Plan of Action:	Provide 2-hours fire-resistive rated continuous barriers at shaft enclosures and 1.5-hours fire-resistive opening protection at shaft opening(s). Consult a qualified fire protection engineer to design the required rated construction of shaft.	
Suggested Deadline Date:	13 Aug 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5.7.1 through 4.5.7.3	
Question:	Fire dampers installed on air-conditioning and ventilation ducts appear to be in good condition and operational.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	A boiler ventilation exhaust duct constructed of non-rated steel was found to pass through the 2nd floor and was not protected with proper opening protectives. This was not in compliance with Alliance Standards Part 4, Section 4.5.6 Ducts.	
Source of Findings:	Photograph: Heat vent duct of boiler	
Suggested Plan of Action:	Ducts penetrating fire-resistance rated assemblies shall be protected with listed fire dampers. Dampers shall be 1.5-hour rated dampers when penetrating a 2-hour or less fire resistance rated assembly.	
Suggested Deadline Date:	05 Nov 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations	
Question:	If the building contains a vertical opening known as an atrium, have provisions been made to comply with Alliance Standard 3.7?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	N/A. No Atrium was found	

Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Section 3.7 Atrium
Fire Protection Systems	
Question:	Is the building protected by an automatic sprinkler system?
Priority Level:	High
Non-Compliance Level:	
Description:	The total height of the building above grade is 22.87 m (75 ft) (07- stories) and the highest occupiable floor level (from grade level to roof deck) is 19.82 m (65 ft). Hence, an automatic sprinkler system is not required per the Alliance Standard Part 5 Section 5.3.2.1.1
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
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:	Design criteria of sprinkler system?
Priority Level:	
Non-Compliance Level:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Provide the criteria used in the design of the sprinkler system.
Question:	Commodity Class used for the design of the sprinkler system?
Priority Level:	

Non-Compliance Level:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference NFPA 13 Chapter 5
Question:	Occupancy Classification used for the design of the sprinkler system?
Priority Level:	
Non-Compliance Level:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference NFPA 13 Chapter 5
Question:	Are inspection, maintenance, and testing procedures of the sprinkler system documented and up to date?
Priority Level:	Low
Non-Compliance Level:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
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:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference NFPA 13
Question:	Sprinkler system piping is free of mechanical damage, leakage, and corrosion.
Priority Level:	Medium
Non-Compliance Level:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	NFPA 25 Chapter 5 Section 5.2.2 Pipe and Fittings
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:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference NFPA 25 Chapter 5 Section 5.2.2.2
Question:	Are hangers, bracing, and restraints properly installed and supporting the system piping?
Priority Level:	Medium

Non-Compliance Level:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
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:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
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:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standard Part 5 Section 5.3.5 Supervision and Alarms.
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:		
Description:	N/A	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference Alliance Standards Part 5 Section 5.3.5.2 Alarms.	
Question:	Are sprinklers spaced and installed at the required heights in order to provided required coverage and protection?	
Priority Level:	High	
Non-Compliance Level:		
Description:	N/A	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 13	
Question:	Are storage racks and shelves compliant based on class of commodity storage?	
Priority Level:	High	
Non-Compliance Level:		
Description:	N/A	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 13 Chapter 13, 14, 15, 16, or 17	
Question:	Aisles in storage areas are free of storage based on design criteria used for the sprinkler system.	

Priority Level:	Medium
Non-Compliance Level:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
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:	
Description:	N/A
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference Alliance Standards Part 5 Section 5.3.6.1 Storage Clearance
Question:	Does the building have a Standpipe System?
Priority Level:	High
Non-Compliance Level:	3
Description:	Not in Compliance per Alliance Standard Part: 5, Section 5.4. No Class-I (65 mm dia) and Class–II (40 mm dia) standpipes system were available in this factory building. Only 25 mm dia non-class standpipe systems were noticed in this factory. Minimum pressure of 65 psi was not tested during the audit. Further evaluation is required by the Owner.
Source of Findings:	Photograph: Non class (25 mm dia)standpipe system
Suggested Plan of Action:	Modify or install the standpipe System (Class-I and Class-II) to meet the requirements of Alliance Standard Section 5.4. Consult a qualified fire protection engineer before modifying or installing a new system.
Suggested Deadline Date:	13 Aug 2014

Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2	
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:	Inspection, testing, and maintenance plan or records of the standpipe and hose system per NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2 were not available during visit (not in compliance with Alliance Standard Part 4 Section 5.4.3.).	
Source of Findings:	Document Review: No plan or record have been shown.	
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for the standpipe and hose system. Program needs to comply with the requirements of NFPA 25.	
Suggested Deadline Date:	05 Nov 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:		
Description:	Available for the existing Non-Class standpipe system.	
Source of Findings:	Photograph: Signage of Non-Class standpipe system	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 14 Chapter 6	
Question:	Standpipe system piping is free of mechanical damage, leakage, and corrosion?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:		

Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	NFPA 25 Chapter 6 Standpipe and Hose Systems
Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?
Priority Level:	Medium
Non-Compliance Level:	2
Description:	No fire department connections have been provided.
Source of Findings:	Visual Assessment: No fire department connections were found during inspection.
Suggested Plan of Action:	Fire department (Siamese) inlet connections need to be provided to allow fire department pumper equipment to supplement the fire protection systems. Fire department outlet connections need to be provided to allow fire department pumper vehicles to pump water into the standpipe system and another to draft water from ground-level or underground water storage tanks. Connections need to match the Fire Service and Civil Defence hose thread standard. Ensure reservation of the required amount of water for fire-fighting. Consult a qualified fire protection engineer to design this requirement.
Suggested Deadline Date:	05 Nov 2014
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections
Question:	Does the building have a fire pump?
Priority Level:	High
Non-Compliance Level:	3
Description:	No dedicated fire pump was found during this visit.
Source of Findings:	Visual Assessment: No fire pump has been noticed in this factory during this inspection.
Suggested Plan of Action:	Install a dedicated fire pump in accordance with NFPA 20 to supply the water demands for the fire protection systems along with a stored source of water to meet the demands per NFPA 22.
Suggested Deadline Date:	13 Aug 2014
Standard:	Alliance Standard Part 5 Fire Protection Systems
Question:	Are inspection, maintenance, and testing procedures of the fire pump

	documented and up to date?	
Priority Level:	Low	
Non-Compliance Level:		
Description:	N/A	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps	
Question:	Are portable fire extinguishers installed throughout the building at required locations and mounted at the correct height?	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:	Photograph: Portable fire extinguisher	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	BNBC Part 4 Section 4.10 and NFPA 10	
Question:	Portable fire extinguishers have been selected based on potential fire class and hazards?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	ABCE dry powder and CO2 type extinguishers have been provided in the working areas and near boiler and generator room; however, no foam type extinguishers have been installed in generator and boiler room.	
Source of Findings:	Visual Assessment: No foam type fire extinguisher has found during this inspection	
Suggested Plan of Action:	Install Portable fire extinguishers as per potential fire class and hazards in accordance with NFPA 10 Chapter 5.	
Suggested Deadline Date:	13 Aug 2014	

Standard:	NFPA 10 Chapter 5	
Question:	Fire extinguishers are inspected, tested, and maintained as required.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Only the inspection checklist with the monthly dates on each extinguisher are being verified by the fire safety officer.Not all of the requirements of NFPA 10 are being checked. While interviewing the person responsible for this it was found that only the pressure gauges (where available) and expiration dates are being checked.	
Source of Findings:	Photograph: Portable fire extinguisher inspection checklist	
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for all fire extinguishers. Program needs to comply with the requirements of NFPA 10 Chapter 7.	
Suggested Deadline Date:	05 Nov 2014	
Standard:	NFPA 10 Chapter 7	
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:	2	
Description:	Not in Compliance per Alliance Standard Part 5 Section 5.7.5. No centralized detection system was available. Only standalone smoke alarms were installed in a very limited number of locations in the factory building. Manual fire alarm boxes were installed. Piano switches were used as fire alarm call points.	
Source of Findings:	Photograph: Piano switch as fire alarm call point.	
Suggested Plan of Action:	Centralized fire alarm and detection system needs to be installed and the control panel of this system shall be monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defence. Until that time a central station monitoring service or direct connection to the Fire Service and Civil Defence can be set up, a person needs to be assigned to contact the fire department in the event of fire alarm activation. An annunciator needs to be located in a constantly attended location to alert this person.	
Suggested Deadline Date:	18 Jun 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	
Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.	
Priority Level:	High	

Non-Compliance Level:		
Description:	NA, no fire alarm control panel was available.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
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:	Not in compliance: Pull stations at egress points: Manual fire alarms were installed. Piano switches were used as fire alarm call points. Smoke detectors: No centralized detection system was available. Only standalone smoke alarms were available in a very few locations in this factory building.	
Source of Findings:	Photograph: Standalone smoke detector	
Suggested Plan of Action:	Design and install an automatic fire detection and alarm system by a qualified fire protection engineer throughout the building. Notification devices shall be spaced appropriately based on NFPA 72.	
Suggested Deadline Date:	13 Aug 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 there any other fire suppression systems installed within the building?	
Priority Level:		
Non-Compliance Level:		
Description:	No other fire suppression systems was installed during this assessment.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		

Standard:		
Means of Egress		
Question:	Occupant loads on each level (floor) do not exceed the capacity of the available means of egress.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.4 Occupant Load	
Question:	Occupied roofs are provided with the minimum number of exits required as a story.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.6 Number of 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:	2	
Description:	Parapets are provided at the occupied roof of the building but the heights of parapets were below 1067 mm (42 in).	
Source of Findings:	Photograph: Parapets at roof	
Suggested Plan of	Provide parapet in every occupied roof with a minimum height of 1067 mm (42	

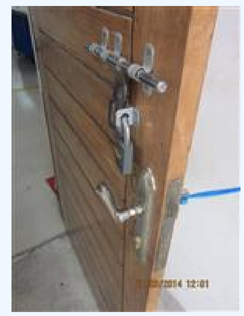
Action:	in.).	
Suggested Deadline Date:	05 Nov 2014	
Standard:	Alliance Standard Part 6 Section 12 Handrails and Guards	
Question:	Occupant loads are posted for every assembly and production floor in a conspicuous space near the main point of egress.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Not in compliance with Alliance Standard Part 6 Section 6.4.4. Occupant loads were not posted for any assembly or production floor in a conspicuous space near the main point of egress.	
Source of Findings:	Visual Assessment: No signs were noted.	
Suggested Plan of Action:	The occupant load shall be posted 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:	04 Jun 2014	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
Question:	Aisles are provided with the minimum unobstructed clear width of 0.9 m (36 in) based on occupant loads.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:	Photograph: Minimum Aisles width	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Higher occupancy loads will require a greater width to accommodate the increased load. Alliance Standard Part 6 Section 6.5 Egress Width	
Question:	The path of egress along the means of egress is not reduced at any point along the path of travel and is sufficient for the occupant load.	
Priority Level:	High	
Non-Compliance Level:		

Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width and BNBC Table 4.3.2	
Question:	Means of egress have a minimum ceiling height of 2.3 m (7 ft 6 in.) with projections from the ceiling not less than 2.03 m (6 ft 8 in.).	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.3 Headroom	
Question:	Exit discharge is directly to the exterior of the building, unless the requirements of 6.17.2 are met, at grade or provides direct access to grade. Exit discharge shall not reenter a building.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	South-West stair discharges inside the internal loading-unloading/parking area at Ground floor. Neither a sprinkler system nor fire resistance rated exit passageway are provided.	
Source of Findings:	Photograph: South-West stair of this building terminated at Ground floor	
Suggested Plan of Action:	Create a 1-hr. fire resistance rated exit passageway to extend the exit enclosure to the exterior of the building or install automatic sprinklers throughout the Ground Floor.	
Suggested Deadline Date:	13 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.17 Exit Discharge. See Section 16.7.2 and 16.7.3 for exceptions.	
Question:	Travel distance to reach an exit does not exceed the maximum distance	

	allowed by Occupancy Type.
Priority Level:	High
Non-Compliance Level:	
Description:	Yes in Compliance
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 6 Section 13 Travel Distance and BNBC Part 4 Section 3.15.1
Question:	Exit access corridors serving an occupant load exceeding 30 are separated by walls having a fire-resistance rating of 1 hr.
Priority Level:	High
Non-Compliance Level:	
Description:	N/A.No Exit access corridor was found
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 6 Section 6.3 and Part 4 Section 4.5. Does not apply if an automatic sprinkler system is installed throughout the building.
Question:	Interior finishes for means of egress meet the rating requirements for Class A, B and C materials.
Priority Level:	Medium
Non-Compliance Level:	
Description:	No test records of interior finish in accordance with ASTM E84 have been found during inspection. But the means of egress were plastered and painted RCC frame brick masonry wall.
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline	

Date:		
Standard:	Alliance Standard Part 6 Section 6.3.2 Interior Finish	
Question:	Exits are limited to Class A and Class B interior materials.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	No test report of the materials of exits as per the standard were available during assessment but exits were constructed with painted concrete and masonry materials.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.2 Interior Finish	
Question:	The number of means of egress from any floor or story is not less than 2 except where a single exit is permitted or where a greater number is required.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes In Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.6 Number of Means of Egress	
Question:	The number of means of egress from any floor or story is not less than 3 when the occupant load exceeds 500 per story and not less than 4 when the occupant load exceeds 1000 per story.	
Priority Level:	High	
Non-Compliance Level:		
Description:	NA: Maximum occupant load at 3rd floor was 402.	
Source of Findings:		
Suggested Plan of		

Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.6 Number of Means of Egress	
Question:	All paths of egress are provided with compliant means of illumination.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
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:	Means of egress are free from impediments, obstructions, and stored materials.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Temporary obstruction was found at egress court of East-Middle Stair.	
Source of Findings:	Photograph: Obstructions at egress court of East-Middle stair	
Suggested Plan of Action:	Means of egress shall be free from impediments, obstructions, and stored materials at all times.	
Suggested Deadline Date:	28 May 2014	
Standard:	Alliance Standard Part 6 Section 6.3.8 Impediments to means of egress and Section 6.3.9 Reliability	
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:	2	
Description:	Not in compliance with Alliance Standard Part 10 Section 10.12.1.4. No testing	

	plan and records were available during visit.	
Source of Findings:	Document Review: No document has been shown during this inspection.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the operation of all exit signs is verified at least once per year. If battery-operated signs are used, these lights shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum 90 min once per year.	
Suggested Deadline Date:	18 Jun 2014	
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting	
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:	3	
Description:	Not in compliance with Alliance Standard Part 6 Section 6.8.2. Doors in the path of egress were unlocked in the direction of egress only in working hour. Hasps, locks, other locking devices were available in doors.	
Source of Findings:	Photograph: Locking arrangement in door	
Suggested Plan of Action:	Doors shall be kept lock free in the direction of egress under all conditions. All hasps, locks, slide bolts, and other locking devices shall be removed where installed.	
Suggested Deadline Date:	04 Jun 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
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:	Not in compliance with Alliance Standard Part 6 Section 6.5.6 Minimum Widths. A 24.5 in. clear width door was found at roof top and all doors in the factory were non-rated (steel collapsible, steel swinging, or wooden) doors.	
Source of Findings:	Photograph: 24.5 in clear width door at roof top	
Suggested Plan of Action:	Install required fire rated doors at all exits. Fire doors shall be side-hinged that swing in the direction of egress with automatic closers, latching hardware, and no locking mechanisms. The doors shall have a minimum clear width of 1 m (39 in.). Required total width of the fire rated door needs to be calculated per Alliance Standard Section 6.5. Every door in a stair enclosure serving more	

	than 5 stories shall be provided with re-entry provision. Consult a qualified fire protection engineer to design the required rated construction barriers with opening protection.	
Suggested Deadline Date:	13 Aug 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:	Collapsible gates, steel swinging doosr, wooden doors are installed in the exits.	
Source of Findings:	Photograph: Collapsible gate	
Suggested Plan of Action:	All collapsible gates, wooden door, steel swinging gates in the means of egress shall be replaced with required fire rated outward-opening, side-hinged swinging, self-closing type doors as per Alliance Standard Section 6.8. Doors shall be free from general locking arrangement.	
Suggested Deadline Date:	13 Aug 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 have been placed only at exits and not at additional locations where needed throughout the floor.	
Source of Findings:	Photograph: Exit sign at entrance	
Suggested Plan of Action:	Install Illuminated exit signs with backup power and continuous graphics 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:	05 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs	
Question:	Changes in elevation of walking surfaces do not exceed 6.35 mm (1/4 in) unless provided with a beveled slope of 1 in 2 that does not exceed 12.7 mm (1/2 in).	

Priority Level:	Medium	
Non-Compliance Level:		
Description:	No changes in elevation was found during this inspection.	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.4 Walking Surfaces	
Question:	Illuminated exit signs are provided with battery backup or emergency power and are continuously illuminated.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in compliance: Exit signs are provided with IPS & Battery back-up	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.11 Exit Signs and Part 10 Section 10.12 Illumination of Exit Signs and Means of Escape	
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:	2	
Description:	Not in compliance with Alliance Standard Part 10 Section 10.12.1.4. No testing plan or records were available during visit.	
Source of Findings:	Document Review: No document has been shown	
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 shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum 90 min once per year. Functional testing of battery powered signs shall be provided for a minimum 90 min once per year.	

Suggested Deadline Date:	18 Jun 2014	
Standard:	Alliance Standard 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:	1	
Description:	Illumination operation of some of the exit signs was not working and some of the exit signs were not illuminated.	
Source of Findings:	Photograph: Exit signs were not illuminated	
Suggested Plan of Action:	Provide continuously illuminated exit signs in all required exits. 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:	05 Nov 2014	
Standard:	Alliance Standard Part 10 Section 10.12.1 Exit Signs	
Question:	Walking surfaces along the path of egress are uniformly slip resistant.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.6 Slip Resistance	
Question:	Compliant guards are provided on the open sides of egress components where the elevation exceeds 760 mm (30 in) above the ground or floor below.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Compliant guards were not provided on the open sides of egress components at the Ground Floor having a height more than 760 mm (30 in.) above the	

	ground.	
Source of Findings:	Photograph: Open side of means of egress	
Suggested Plan of Action:	Provide guards at the open side of means of egress that exceed 760 mm (30 in.) above the floor or finished ground level. New guards shall have a minimum height of 1067 mm (42 inch) and the spacing of the vertical members shall not exceed 200 mm (8 in.).	
Suggested Deadline Date:	05 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.3.7 Guards	
Question:	Stairs are constructed of noncombustible materials.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.9 Stairs	
Question:	Stairs have a minimum width of 0.9 m (35 in.).	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in compliance	
Source of Findings:	Photograph: Minimum stair width	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width. Applies to existing construction.	
Question:	Stair treads are of nominal uniformity.	
Priority Level:	Medium	
Non-Compliance Level:		

Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.9 Stairs. Any tread height exceeding more than 50% of the adjacent tread heights or 75 mm (3 in.), whichever is less, shall be modified to be within this tolerance	
Question:	Landings are provided on both sides of doors used along the path of egress. Doors do not swing out over stairs.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Landings are provided with the same width in the direction of egress travel as the stair clear width provided at each level and at intermediate landings. Existing landings that are less than the stair width, shall reduce the overall available capacity of the stair.	
Priority Level:	High	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and Section 6.5	

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 provided on only one side of stairs.
Source of Findings:	Photograph: One side handrail of stair
Suggested Plan of Action:	Install handrails on the both sides of the stairs. A minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread needs to be maintained when installing new handrails. Guards, where required shall be provided in accordance with Alliance Standard Section 6.3.7.
Suggested Deadline Date:	05 Nov 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards

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:	
Description:	NA. Most of the doors in the stair enclose are collapsible and wooden swinging type and opened during working hour.
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates

Question:	Exterior exit stairs are separated from the building with the required rating. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure.
Priority Level:	High
Non-Compliance Level:	
Description:	No exterior stair was found.
Source of Findings:	

Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.1.2. Three stories or less 1-hr rating. Four stories of more 2-hr rating	
Question:	Interior exit stairways and ramps terminate at an exit discharge except where terminating at a rated exit passageway.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	South-West stair discharges inside the internal loading-unloading/parking area at Ground Floor. Neither a sprinkler system nor fire resistance rated exit passageway are provided.	
Source of Findings:	Photograph: South-West stair of this building terminated at Ground Floor	
Suggested Plan of Action:	Create a 1-hr. fire resistance rated exit passageway to extend the exit enclosure to the exterior of the building or install automatic sprinklers throughout the Ground Floor.	
Suggested Deadline Date:	13 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.14 Exit Enclosures	
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:	1	
Description:	Not provided at any of the stairs.	
Source of Findings:	Visual Assessment: No sign was found during this inspection.	
Suggested Plan of Action:	Provide stair designation signs at each floor of each stair throughout the building in English and Bangla in accordance with the Alliance Standard.	
Suggested Deadline Date:	18 Jun 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs	
Question:	Stairwells are not utilized as storage spaces.	
Priority Level:	High	
Non-Compliance Level:		

Description:	Yes in compliance	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 13 Section 13.9 Safety Inspections	
Question:	Ramps used in a means of egress do not reduce the overall means of egress width. The minimum width shall be 1.1 m (44 in.).	
Priority Level:	High	
Non-Compliance Level:		
Description:	No ramp was found	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 6 Section 10 Ramps	
Question:	Ramps do not have a running slope greater than 1 in 8 (12.5 percent) and have handrails on both sides of the ramp.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	N/A	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 10 Ramps	
Fire Safety Programs		

Question:	Are there additional areas of non-compliance to report?
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Kitchen was found on roof deck room of the factory building. Gas burners were used for cooking there.
Source of Findings:	Photograph: kitchen on roof deck
Suggested Plan of Action:	Remove the kitchen from the factory building.
Suggested Deadline Date:	28 May 2014
Standard:	Not Applicable

Question:	Are there additional areas of non-compliance to report?
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Daycare was located at the 2nd floor beside production area of the building without direct access to an exit enclosure. That was not in compliance with Alliance Standard Part 3 Section 3.4.2.1.1 Daycare.
Source of Findings:	Photograph: Daycare
Suggested Plan of Action:	Daycare occupancies which are accessory to other occupancies need to be located on the ground floor with a maximum travel distance of 9 m (30 ft). If located on a higher floor, direct access to a safe exit enclosure needs to be provided.
Suggested Deadline Date:	02 Jul 2014
Standard:	Not Applicable

Question:	A Fire Safety Director position has been filled.
Priority Level:	Low
Non-Compliance Level:	1
Description:	No fire safety director has been designated in this factory.
Source of Findings:	Document Review: No HR file of Fire Safety Director position was found during assessment
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	05 Nov 2014

Date:		
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	An emergency evacuation plan has been developed and communicated to all employees.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	An emergency evacuation plan has not been developed and communicated to all employees.	
Source of Findings:	Document Review: No document was available during this assessment.	
Suggested Plan of Action:	Develop an emergency evacuation plan which includes all components required by the Alliance Standards and communicate the plan to all employees.	
Suggested Deadline Date:	18 Jun 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	Emergency egress maps are posted at the entrance to each exit stair or main point of egress.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in Compliance	
Source of Findings:	Photograph: Emergency egress map	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 13 Section 13.4 Evacuation Plan	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Fire Department pre-planning has not been completed..	
Source of Findings:	Document Review: No document has been shown during this inspection.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defence.	

Suggested Deadline Date:	18 Jun 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	Fire Drills are conducted at required intervals based on building use type.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in compliance: Fire drills conducted in every month.	
Source of Findings:	Photograph: Fire drill record	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Alliance Standards Part 13 Section 13.3 Fire Drills	
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:	1	
Description:	Fire training record was not found during this visit. Per the conversation with factory management some workers have received training in firefighting, first aid, and rescue from Fire Service and Civil Defence authority.	
Source of Findings:	Document Review: No records or certificates were found during this assessment.	
Suggested Plan of Action:	Provide training for the required number of people certified in firefighting, first aid, and rescue training by the appropriate authority.	
Suggested Deadline Date:	05 Nov 2014	
Standard:	Alliance Standard Part 13 Human Element Programs	
Question:	A written housekeeping policy is established and enforced.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	No written housekeeping policy has been established.	
Source of Findings:	Document Review: No document has been shown during inspection.	

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. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	
Suggested Deadline Date:	28 Jan 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:	1	
Description:	No hot-work permit program has been established. During inspection no hot-work operation was ongoing in the facility.	
Source of Findings:	Document Review: No document has been shown during inspection.	
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B.	
Suggested Deadline Date:	05 Nov 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	Chemicals and other flammable materials are stored within approved enclosures.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	Yes in compliance. One drum (200 ltr.) diesel (class-B petroleum) was placed at Generator Room.	
Source of Findings:	Photograph: Diesel (class-B petroleum)at Generator Room.	
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:		

Question:	Storage areas underneath the cutting tables are clear of combustibles.
Priority Level:	Medium
Non-Compliance Level:	1
Description:	There was combustible storage under the cutting table.
Source of Findings:	Photograph: Combustible storage under the cutting table
Suggested Plan of Action:	Keep areas beneath cutting tables clear of combustibles as all times.
Suggested Deadline Date:	04 Jun 2014
Standard:	Alliance Standard Part 17 Section 13.7.2 Cutting tables.

Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.
Priority Level:	Medium
Non-Compliance Level:	1
Description:	The factory has not received the Alliance Safety Training Curriculum at the time of the assessment and has not conducted safety training curriculum as per Alliance Standards Part 13.
Source of Findings:	Document Review: No document has been shown during inspection.
Suggested Plan of Action:	Training programs shall be implemented and documented in accordance with the Alliance Safety Training Curriculum.
Suggested Deadline Date:	05 Nov 2014
Standard:	Alliance Standards Part 13

Question:	Smoking is only allowed at designated areas.
Priority Level:	Low
Non-Compliance Level:	
Description:	Smoking was not allowed inside the factory premises.
Source of Findings:	Photograph: No smoking sign
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standards Part 13 Section 13.5 Smoking

Question:	Are all applicable permits up to date including Fire License & Boiler License.
Priority Level:	Low
Non-Compliance Level:	
Description:	01. Fire license valid up to 30 June 2014. 02. Boiler license valid up to 23 August 2014. 03. Factory license valid up to 31 December 2014. 04. Trade license valid up to 30 June 2014. 05. BERC waiver certificate valid up to 14 September 2014
Source of Findings:	Photograph: 01. Valid Fire license; 02. Valid Boiler license; 03. Valid Factory license; 04. Valid Trade license; 05. Valid BERC waiver certificate;
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standard Part 13 Human Element Programs