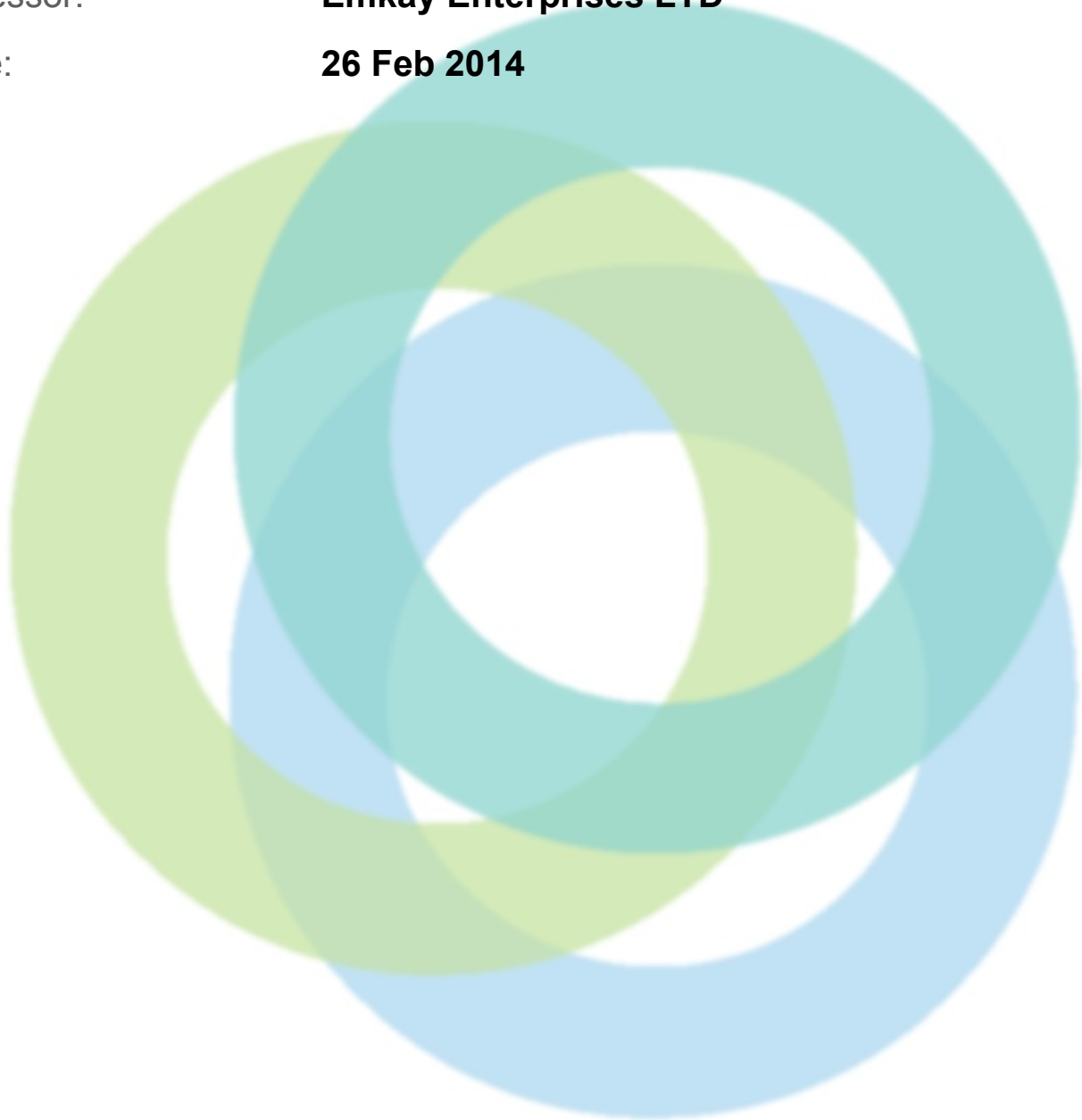


# INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Kenpark Bangladesh (PVT), Ltd.**  
Address: **Sector 8, Plot 31-42 Export Processing Zone KEPZ,  
Chittagong Chittagong Chittagong Bangladesh**  
Assessor: **Emkay Enterprises LTD**  
Date: **26 Feb 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](http://www.bangladeshworkersafety.org).





## GENERAL INFORMATION

General Information	
Factory Name:	Kenpark Bangladesh (PVT), Ltd.
Address:	Sector 8, Plot 31-42 Export Processing Zone KEPZ, Chittagong Chittagong Chittagong Bangladesh
Country:	Bangladesh
Province:	Chittagong
City:	Chittagong
Zip Code:	
Audit Duration:	1 Days 0 Hours
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	09 July 2014
Final Report Date:	Update once final report is complete ( after all comments incorporated).
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 3-buildings. 1.Main building-1; 2.Main building-2; 3.Ancillary building.
Is the building(s) owned or rented by the Factory:	Rented
Number of Building Levels (Stories):	Building-1 (Washing Building-A):Single storied steel shed with mezzanine floors; Building-2 (Washing Building-B): Three storied RCC building.
Approximate Building Area (SF):	Total area of main building is 43,438 SF. 1.Main building-1: 23,868 SF (GF: 7,956 SF, 1st: 7,956 SF, 2nd: 7,956 SF) 2.Main building-2: 19,570 SF
Date of Building Construction:	Main building-1: 2006; Main building-2: 2001
Date of Last Building Renovation/Addition:	No
Ancillary Structures in Complex:	There is 1 ancillary structure.
Approximate Ancillary Structures Area (SF):	Ancillary-1: 1,350 SF (Total)(Approx).
Number of Occupants:	Building-1 (Washing Building-A): 80 and Building-2 (Washing Building-B): 260( GF: 80, 1st: 90, 2nd: 90).

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**ALLIANCE**  
FOR BANGLADESH WORKER SAFETY

Number of Ancillary Levels (Stories):	Single storied structure.
Occupancy Type:	Main building-1: Ground Floor to 2nd floor: Occupancy Type-G2 (Washing and Drying), Main building-2: Ground Floor: Occupancy Type-G2 (Washing), Ancillary building: Ground floor: Occupancy Type-K (Generator, Boiler, etc.).
Construction Type:	Main Building-1: Type-1 (RCC frame) and Non-rated structure at roof; Main Building-2: Non-rated structure (5 in. brick wall with steel shed on roof); Ancillary building: Non-rated structure (5 in. brick wall with tin shed on roof).
Height of Highest Occupied Floor Level Above Grade:	Among all the buildings Main building-1 was the tallest building. The total height of this building above grade was measured 13.41 m (44 ft.) (3-stories) and the height occupiable floor level from grade was measured 9.14 m (30 ft.).



## 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:	No occupancy certificate was available for any of the building during this assessment.	
Source of Findings:	Document Review: No occupancy certificate has been shown during assessment.	
Suggested Plan of Action:	Obtain an occupancy certificate for each building and ancillary structures from the approving authority.	
Suggested Deadline Date:	21 Aug 2014	
Standard:	Are certificates of occupancy provided for each building or 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:	From visual inspection all the structural members of all buildings were found free of damage during inspection.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:	Exits were not fully protected by continuous fire rated assemblies. Unprotected openings were found at ground floor of Main building-1 opened to the exit enclosures and egress path.
Source of Findings:	Photograph: 01. Unprotected exit, 02. Unprotected opening open to the egress path, 03. Unprotected opening open into exit enclosure.
Suggested Plan of Action:	Install fire rated door assemblies at all exits. Provide required fire resistance rated opening protection (Door, Window, Hatch Cover, etc.) at opening and penetration through fire rated walls and/or assemblies or closed the unprotected openings by fire-resistance rated barrier as per Alliance requirements. Consult a qualified fire protection engineer to design the required rated opening protection.
Suggested Deadline Date:	02 Oct 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:	Typical slab thickness was 150 mm with 19 mm plaster at bottom and 50 mm floor finish at top.
Source of Findings:	
Suggested Plan of Action:	N/A
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:	Oil-filled transformers, generator and boiler were installed in unprotected rooms at ground floor of Ancillary building.
Source of Findings:	Photograph: 01. Unprotected oil-filled transformer room, 02. Unprotected generators room, 03. Unprotected boilers room
Suggested Plan of Action:	1. Rooms used for housing oil-filled transformers, generator shall be separated from the surrounding occupancy with a minimum 2-hour fire rated construction with 1.5-hour fire rated opening protection. 2. Rooms used for housing boiler shall be separated from the surrounding occupancy with a minimum 1.0 hour fire rated construction with 0.75 hour fire rated opening protection. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	02 Oct 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. The building-1 was 3 stories; walls of all stairwells were 5 in. and 10 in. masonry brick walls. Glass swing door and steel swing door were installed in most of the exits leading to the stairwells.
Source of Findings:	Photograph: Unprotected West-Middle exit.
Suggested Plan of Action:	Provide 1-hour fire-resistive rated construction barriers at exit enclosures with 0.75-hour fire-rated opening protection (Door, Window, etc.). The fire rated door will side-hinging swinging opening in the direction of egress type, with auto closure and panic bar and without locking arrangement. Minimum width of new fire rated door will 1.0 m. Fire doors assemblies need to conform as per NFPA 252, BS 476 Part 22, EN 1364-1, GB 12955-2008, or IS 3614 Part II. Consult a qualified fire protection engineer to design the required rated construction barriers with opening protection
Suggested Deadline Date:	02 Oct 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:	
Description:	Shaft (Elevator shaft) was enclosed by 10 inch brick work and elevator car doors. Elevator doors are typically rated 1.5 hours.
Source of Findings:	Photograph: Protected elevator shaft.
Suggested Plan of Action:	N/A
Suggested Deadline Date:	
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:	
Description:	Air conditioning and ventilation duct was not found in this factory during inspection.
Source of Findings:	
Suggested Plan of Action:	N/A
Suggested Deadline Date:	
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:	No atrium was found in this factory.
Source of Findings:	
Suggested Plan of Action:	N/A
Suggested Deadline Date:	





Standard:	Reference Alliance Standards Section 3.7 Atrium
<b>Fire Protection Systems</b>	
Question:	Is the building protected by an automatic sprinkler system?
Priority Level:	High
Non-Compliance Level:	
Description:	Among all the building Main building-1 was the tallest building in this factory. The total height of this building above grade was 13.41 m (44 ft.) (3 stories) and the height occupiable floor level from grade was 9.14 m (30 ft.). Hence per the Alliance Standard Part 5 Section 5.3.2.1.1, Automatic sprinkler system is not required.
Source of Findings:	
Suggested Plan of Action:	N/A
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:	Sprinkler system was not required.
Source of Findings:	
Suggested Plan of Action:	N/A
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:	N/A	
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:	N/A	
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:	N/A	
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:	N/A	
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:	N/A	
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:	N/A	
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 Plan of Action:	N/A	
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:	N/A	
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:	N/A	
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:	N/A	
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:	N/A	
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:	N/A	
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:	N/A	
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:	N/A	
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:		
Description:	Among all the buildings Main building-1 was the tallest building. The total height of this building above grade was measured 13.41 m (44 ft.) (3-stories) and the height occupied level from grade was measured 9.14 m (30 ft.). Hence per Alliance Standard standpipe system is not required. But a class II (25 mm diameter) standpipe hose connections were found inside the floors. Standpipe system is not required however suggest to maintain the existing hose reel outlets for added protection.	
Source of Findings:	Photograph: Existing standpipe system.	
Suggested Plan of Action:	Not applicable.	
Suggested Deadline Date:		
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:	2
Description:	Plan and record of inspection, testing and maintenance of standpipe and hose system were not available during inspection.
Source of Findings:	Document Review: No plan and record have been found during this inspection.
Suggested Plan of Action:	Establish an inspection, testing and maintenance program for the standpipe and hose system. Program shall comply with the requirements of NFPA 25. The system shall be maintained for safe operating conditions and tested at least once per year.
Suggested Deadline Date:	02 Oct 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:	2
Description:	No signage for the standpipe system has been installed at required locations and on required components.
Source of Findings:	Visual Assessment: No signage was found during this inspection.
Suggested Plan of Action:	Install identification signs at required locations with required components for standpipe system.
Suggested Deadline Date:	21 Aug 2014
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:	No mechanical damage, leakage, and corrosion were found during inspection in the existing system.
Source of Findings:	
Suggested Plan of Action:	N/A



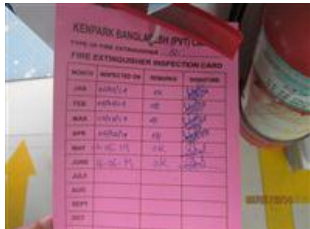

Suggested Deadline Date:	
Standard:	NFPA 25 Chapter 6 Standpipe and Hose Systems
Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Fire department connections were available but identification marking was not available during inspection.
Source of Findings:	Photograph: Fire department connection without identification marking.
Suggested Plan of Action:	Provide fire department connection with identification marking.
Suggested Deadline Date:	25 Dec 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:	Building have a fire pump but it have to evaluate the capacity for existing system as per Alliance requirement.
Source of Findings:	Photograph: Dedicated fire pump.
Suggested Plan of Action:	Evaluate the capacity and adequacy of the existing fire pump to determine if it can supply the required installation of standpipes. If necessary, Install a dedicated fire pump for the facility in accordance with NFPA 20 to supply the demands of the connected fire protection systems along with a stored source of water sufficient to meet the demands in accordance with NFPA 22. Fire pump installation is to be tested for final acceptance in presence of Alliance and a final inspection of the installation shall be conducted by the Alliance prior to final acceptance of the installation by the Alliance as per clause 5.5.5. Acceptance testing of the installation shall be in accordance with NFPA 20, 22, and 25 testing requirements. Documentation of all testing shall be submitted to the Alliance for review prior to final acceptance by the Alliance.
Suggested Deadline Date:	02 Oct 2012
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:	2	
Description:	No documented maintenance or testing procedures of the fire pump were available during inspection.	
Source of Findings:	Document Review: No document has been shown during inspection.	
Suggested Plan of Action:	Establish an inspection, testing and maintenance program for the fire pump. Program shall comply with the requirements of NFPA 25. The system shall be maintained for safe operating conditions and tested at least once per year.	
Suggested Deadline Date:	25 Dec 2014	
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. Extinguishers were found within a maximum travel distance of 30 m (100 ft.).	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:		
Description:	Yes in compliance. ABCE dry powder and CO2.	
Source of Findings:		
Suggested Plan of Action:	N/A	
Suggested Deadline Date:		
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 checklists with the monthly dates on each extinguisher were being verified. 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: Incomplete inspection checklist of extinguisher.	
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:	21 Aug 2014	
Standard:	NFPA 10 Chapter 7	
Question:	Are there any other fire suppression systems installed within the building?	
Priority Level:		
Non-Compliance Level:		
Description:	Not available. No fire suppression systems was installed in the building.	
Source of Findings:	Visual Assessment: No fire suppression systems found.	
Suggested Plan of Action:	Not Applicable	
Suggested Deadline Date:		
Standard:		
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:	Centralized detection system with monitoring panel was available but the numbers of smoke alarms were not sufficient, not covering all the area of this factory.	
Source of Findings:	Photograph: Automatic smoke detection monitoring panel.	
Suggested Plan of Action:	Centralized fire alarm and detection system with trouble or alarm notifications indicated system shall 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 that a central station monitoring service or direct connection to the Fire Service and Civil Defence can be set up, a person need to be assigned to contact the fire department in the event of fire alarm activation. An annunciator need to be located in a constantly attended location to alert this person.
Suggested Deadline Date:	07 Aug 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:	Yes in compliance. Trouble or alarm notifications were not indicated on the fire alarm control panel.
Source of Findings:	
Suggested Plan of Action:	N/A
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:	Pull stations at egress points: Manual fire alarms were installed. Push switches were used as fire alarm call points. Smoke detectors: Centralized detection system was available but the numbers of smoke alarms were not sufficient. Audible and Visual devices: No visual alarm was found during this assessment.
Source of Findings:	Photograph: 01. Manual alarm call point. 02. Audible devices.
Suggested Plan of Action:	Design and install 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:	02 Oct 2014
Standard:	Pull stations at egress points, smoke detectors in air handling equipment,





visual and audible devices spaced appropriately based on occupancy type.  
 Reference NFPA 72

**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. Main building-1 (Prefabricated steel shed): Highest occupied floor: At grade; Number of stairs: N/A; Maximum worker in one floor: 80; The total minimum width of stairs required: N/A; The total minimum width of aisles required: 80*5 mm per person= 0.40 m and total width of aisles provided: 6*1.0 m = 6.0 m; The total minimum width of doors required: 80*4 mm per person= 0.32 m and total width of doors provided: 2*2.13 m + 3*1.52 m = 8.82 m. Main building-2: Highest occupied floor: 2nd floor; Number of stairs: 02 stairs; Maximum worker in a floor (2nd floor): 90; The total minimum width of stairs required: 90*8 mm per person= 0.72 m and total width of stair provided: 1.25 m+0.7 m = 1.95 m; The total minimum width of aisles required: 90*5 mm per person= 0.45 m and total width of aisles provided: 3*1.0 m= 3.0 m; The total minimum width of doors required: 90*4 mm per person= 0.36 m and total width of doors provided: 1.52 m+1.0 m = 2.52 m.
Source of Findings:	
Suggested Plan of Action:	N/A
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:	Roofs were not accessible.
Source of Findings:	
Suggested Plan of Action:	N/A
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:		
Description:	Roofs were not accessible.	
Source of Findings:		
Suggested Plan of Action:	N/A	
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 12 Handrails and Guards	
Question:	Occupant loads are posted for every assembly and production floor in a conspicuous space near the main point of egress.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Occupant loads were not posted for any assembly and production floor in a conspicuous space near the main point of egress.	
Source of Findings:	Visual Assessment: signage of occupant load has been found during this assessment.	
Suggested Plan of Action:	Posted occupant load sign for every assembly and production floor near the main exit or exit access doorway for the space.	
Suggested Deadline Date:	07 Aug 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:		
Suggested Plan of Action:	N/A	
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. The path of egress was sufficient and along the means of egress was not reduced at any point along the path of travel.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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. The minimum ceiling height were measured more than 2.3 m (7 ft 6 in.) along the means of egress.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:	All the exits were directly discharge to the exterior of the building for main building-2. The West-Middle stair of Main building-1 discharge inside the processing area at Ground floor. The exterior spiral steel stair of Main building-1 was terminated inside the work area of Main building-2 (Single story Non-rated structure). Neither a sprinkler system nor fire resistance rated exit passageway are provided.
Source of Findings:	Photograph: 1. Exit discharge of West-Middle stair, 2. Spiral steel stair terminated inside the work area.
Suggested Plan of Action:	Install automatic sprinklers or create a 1-hour. fire resistance rated exit passageway to extend the exit enclosure to the exterior of the building as per Alliance Standard.
Suggested Deadline Date:	02 Oct 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. Maximum travel distance was measured approx. 35 m (115 ft).
Source of Findings:	
Suggested Plan of Action:	N/A
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:	No exit access corridor was found in this factory.
Source of Findings:	
Suggested Plan of Action:	N/A
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:	The means of egress were plastered and painted RCC frame brick masonry wall.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:	Exits were constructed with concrete and masonry materials and the top surface is painted.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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. Two exits were found at all floors.	
Source of Findings:		
Suggested Plan of	N/A	





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:	Yes in compliance. There is no floor with more than 500 occupants and 02 nos stair were in this building.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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. All paths of egress were provided with compliant means of illumination.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:	The egress path of spiral steel stair was obstructed at ground floor as fire hose	



	cabinet and rack were install on it.
Source of Findings:	Photograph: Obstruction on egress discharge of spiral steel stair.
Suggested Plan of Action:	Maintain means of egress continuously free and clear of all obstructions or impediments to full instant use in the case of fire or other emergency.
Suggested Deadline Date:	07 Aug 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:	No testing plan or records were available during this inspection.
Source of Findings:	Document Review: No document has shown during this inspection.
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the correct operation of all egress lighting, including emergency and illuminated exit signs, is verified at least once per year. If stand alone, battery-operated signs are used, these lights shall be tested on a monthly basis. Functional testing of battery powered lighting shall ensure that full operation is provided for a minimum 90 min, once per year.
Suggested Deadline Date:	07 Aug 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:	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 the doors.
Source of Findings:	Photograph: Locking arrangement in door.
Suggested Plan of Action:	Keep the doors lock free in the direction of egress under any conditions. All hasps, locks, slide bolts and other locking devices shall be removed where available.





Suggested Deadline Date:	25 Jul 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:	The minimum widths of doors were measured more than 0.8 m (32 in) in all floors. Most of the doors in means of egress were glass swing doors or rolling shutters.	
Source of Findings:	Photograph: Non rated glass swing door along the path of egress.	
Suggested Plan of Action:	Install 0.75 hr resistance rating fire rated door in all exits. Fire door shall be of the side-hinged, self closing type and shall swing in the direction of egress with panic bar and without general locking arrangement. New fire door shall have a minimum clear width of 1.0 m (39 in.). Consult a qualified a fire protection engineer to design the fire rated door.	
Suggested Deadline Date:	02 Oct 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:	Rolling shutters were installed in some of the exits in the means of egress.	
Source of Findings:	Photograph: Rolling shutter in the means of egress.	
Suggested Plan of Action:	Replace all non-compliant doors and frames in the means of egress with sides winging opening in the direction of egress type doors in accordance with Alliance Standard Section 6.8. Replacement doors shall be listed, approved, self-closing, fire rated door assemblies (door and frame) with latching panic hardware.	
Suggested Deadline Date:	02 Oct 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:		
Description:	Yes in compliance. Illuminated exit signs were placed at entrances to exits and inside the floor.	
Source of Findings:		
Suggested Plan of Action:	N/A	
Suggested Deadline Date:		
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:	2	
Description:	Change in elevation was found at the exit discharge of spiral steel stair at ground floor inside Main building-2 without providing gentle slope. Also no additional signage or floor markings were provided.	
Source of Findings:	Photograph: Change in elevation.	
Suggested Plan of Action:	Provide a proper slope on this change in elevation with a beveled slope of 1 in 2 that does not exceed 12.7 mm (1/2 in). Also mark with additional signage or floor markings.	
Suggested Deadline Date:	07 Aug 2014	
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:	2	
Description:	Some exit signs were not provided with emergency or battery backup power.	
Source of Findings:	Visual Assessment: Some of the exit sign were found without emergency or battery backup power.	
Suggested Plan of Action:	Provide emergency power source, either by battery back-up or by connecting to the emergency power system for illuminated exit signs. Backup time of backup power shall be minimum 90 minutes.	
Suggested Deadline Date:	02 Oct 2014	




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:	No testing plan or records were available during inspection.	
Source of Findings:	Document Review: No document has been shown during inspection.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the correct operation of all egress lighting, including emergency and illuminated exit signs, is verified at least once per year. If stand alone, battery-operated signs are used, these lights shall be tested on a monthly basis. Functional testing of battery powered lighting shall ensure that full operation is provided for a minimum 90 min, once per year.	
Suggested Deadline Date:	07 Aug 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:	Some illuminated exit signs were found not functioning properly.	
Source of Findings:	Photograph: Out of order illuminated exit sign.	
Suggested Plan of Action:	Provided continuously illuminated exit sign 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:	02 Oct 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. Walking surfaces along the path of egress were found uniformly slip resistant.	
Source of Findings:		
Suggested Plan of Action:	N/A	
Suggested Deadline Date:		
Standard:	Alliance Standard Part 6 Section 6.3.6 Slip Resistance	
Question:	Stairs are constructed of noncombustible materials.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Yes in compliance. Stairs are constructed of noncombustible RCC and steel materials.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:	3	
Description:	Width of spiral steel stair was measured 0.7 m (27 in.).	
Source of Findings:	Photograph: Non-standard steel stair.	
Suggested Plan of Action:	Provided stair with the minimum unobstructed clear width of 0.9 m (35 in) based on occupant loads.	
Suggested Deadline Date:	02 Oct 2014	
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:	N/A	
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:	3	
Description:	The doors swing out over the North-East stair at all floors of Main building-1.	
Source of Findings:	Photograph: Doors swings out over the stair.	
Suggested Plan of Action:	Re-arrange the doors in such a way that it do not swing out over the stairs.	
Suggested Deadline Date:	02 Oct 2014	
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:	N/A	
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:	2
Description:	Handrails and Guards: Handrails were provided only on open sides of all stairs with height 915 mm (36 in.).
Source of Findings:	Photograph: Handrail on open side at West-Middle stair.
Suggested Plan of Action:	Install handrails on the both side 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 need to be maintained when installing new handrails. The spacing between vertical members will not exceed 200 mm (8 inch).
Suggested Deadline Date:	02 Oct 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:	Not applicable. The heights building was 3 stories.
Source of Findings:	
Suggested Plan of Action:	N/A
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:	3
Description:	An exterior steel spiral stair was installed at North-West corner of the Main building-1. Opening line with the stair and extend 3.05 m (10 ft.) beyond the end of the stair were not fire protected and tin sheets were used to separate this stair from two sides of Main building-2. This stair open inside the washing area of Main building - 2





Source of Findings:	Photograph: Unprotected exterior stair.
Suggested Plan of Action:	Provide a 1-hours fire-resistive rated assembly with 0.75-hours opening protection in line with the stair and extend 3.05 m (10 ft.) beyond the ends of the stair between the exterior exit stairs and the building to achieve the required separation. Or remove this stair from noted location and install/construct new stair at South side of Main building-1 as per Alliance Standard. Consult a qualifying fire protection/building engineer before work.
Suggested Deadline Date:	02 Oct 2014
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:	The exterior spiral steel stair of Main building-1 was terminated inside the work area of Main building-2 (Single story Non-rated structure) and was not terminate on the exterior of the building or in a rated exit passageway
Source of Findings:	Photograph: Discharge of spiral steel stair.
Suggested Plan of Action:	Rearrange this stair so that they discharge directly outside to the building or into a rated exit passageway, or provide automatic sprinkler protection throughout the ground floor. Or removed this stair from noted location and install/construct new stair at South side of Main building-1 as per Alliance Standard. Consult a qualifying fire protection/building engineer before work.
Suggested Deadline Date:	02 Oct 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:	No stair designation signs were posted at any of the stair.
Source of Findings:	Visual Assessment: Stair designation sign was not found during this inspection.
Suggested Plan of Action:	Provide stair designation signs at each floor entrance from the stairs to the floor in English and Bengali. Signs shall be indicating the name of the stair and the floor level. Signs shall be posted adjacent to the door.





Suggested Deadline Date:	07 Aug 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. Stairwells are not utilized as storage spaces.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:	Yes in compliance. Ramps used in a means of egress do not reduce the overall means of egress width. The minimum width more than 1.1 m (44 in.).	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:	2	
Description:	Slop of ramps were within allowable limit but no handrails were provided any of the ramps in this factory.	
Source of Findings:	Photograph: Ramp without handrail.	
Suggested Plan of	Install handrails on the both side of the ramps. A minimum height of 865 mm	






Action:	(34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread need to be maintained when installing new handrails. The spacing between vertical members will not exceed 200 mm (8 inch).	
Suggested Deadline Date:	25 Dec 2014	
Standard:	Alliance Standard Part 6 Section 10 Ramps	
<b>Fire Safety Programs</b>		
Question:	A Fire Safety Director position has been filled.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Yes in compliance. Mr. Sayed Mohammed Nurul Sopan, Asst. Manager (Human Resources) was acting as the fire safety director.	
Source of Findings:		
Suggested Plan of Action:	N/A	
Suggested Deadline 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 has been shown during this inspection.	
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:	07 Aug 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. Emergency egress maps are posted at the entrance to each exit stair or main point of egress.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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 pre-plan has been shown during this assessment.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defence.	
Suggested Deadline Date:	07 Aug 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 on a monthly basis.	
Source of Findings:		
Suggested Plan of Action:	N/A	
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:	3	
Description:	None of the worker has received fire safety training in firefighting, first aid, and rescue training by the appropriate authority. Only in house training has been conducted.	
Source of Findings:	Photograph: Evidence of in-house training.	
Suggested Plan of Action:	Provide training for the required number of people (25 % of total workers as per Fire Service and Civil Defence) certified in fire-fighting, first-aid, and rescue training by Bangladesh Fire Service and Civil Defence.	
Suggested Deadline Date:	25 Dec 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:	A written housekeeping policy was not established and enforced.	
Source of Findings:	Document Review: No housekeeping plan 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.	
Suggested Deadline Date:	02 Oct 2014	
Standard:	Alliance Standards Part 13 Section 13.6 Housekeeping	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	No hot-work permit program has been established. During visit no hot work was being planned or performed.	
Source of Findings:	Document Review: No document was shown during inspection.	
Suggested Plan of Action:	Produce a safety policy and procedure for all hot work actions in the factory. Provide required factory workers and contractors with training on the hot work P&P and ensure that all hot work actions follow the P&P.	



Suggested Deadline Date:	02 Oct 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	Storage areas underneath the cutting tables are clear of combustibles.	
Priority Level:	Medium	
Non-Compliance Level:		
Description:	There was no cutting table in this factory.	
Source of Findings:		
Suggested Plan of Action:	N/A	
Suggested Deadline Date:		
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:		
Description:	Yes in compliance. Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Source of Findings:	Photograph: Evidence of training programs in accordance with the Alliance Safety Training Curriculum.	
Suggested Plan of Action:	N/A	
Suggested Deadline Date:		
Standard:	Alliance Standards Part 13	
Question:	Smoking is only allowed at designated areas.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Per discussion with factory management, smoking is not allowed on the factory premises. Also smoking prohibition sign was found in the factory.	
Source of Findings:	Photograph: Smoking prohibited sign.	



Suggested Plan of Action:	N/A
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:	1
Description:	Fire license: Valid up to 30 June 2015, Trade license: BEPZA permission available, Industry license: BEPZA permission available, Boiler license: Valid up to 26 Oct 2014, BEREC waiver certificates for generators was not available during this inspection.
Source of Findings:	Photograph: 1. Fire license, 2. BEPZA permission, 3. Boiler license.
Suggested Plan of Action:	All applicable permit and license need to collect and kept up to date including waiver certificate from BEREC.
Suggested Deadline Date:	07 Aug 2014
Standard:	Alliance Standard Part 13 Human Element Programs
Question:	Are there additional areas of non-compliance to report?
Priority Level:	Medium
Non-Compliance Level:	
Description:	
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	



Factory Name: **Kenpark Bangladesh (PVT), Ltd.**  
Address: **Sector 8, Plot 31-42 Export Processing Zone KEPZ, Chittagong  
Chittagong Chittagong Bangladesh**

Assessor: **Emkay Enterprises LTD**  
Date: **26 Feb 2014**



**ALLIANCE**  
FOR BANGLADESH WORKER SAFETY

Standard:	Not Applicable
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