

# INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Fountain Garments Manufacturing Ltd**  
Address: **Plot No. 61-62 Gazirchat (EPZ Road) Ashulia Savar  
Dhaka 1349 Ashulia, Savar Dhaka Bangladesh**  
Assessor: **Bureau Veritas**  
Date: **04 May 2014**





## Introduction to the Report

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

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

For more information and report feedback please go to: [www.bangladeshworkersafety.org](http://www.bangladeshworkersafety.org).





## GENERAL INFORMATION

### General Information

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Factory Name:                                             | Fountain Garments Manufacturing Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Address:                                                  | Plot No. 61-62 Gazirchat (EPZ Road) Ashulia Savar Dhaka 1349 Ashulia, Savar Dhaka Bangladesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Country:                                                  | Bangladesh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Province:                                                 | Dhaka                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| City:                                                     | Ashulia, Savar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Zip Code:                                                 | 1349                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Audit Duration:                                           | 1 Days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Re-Audit:                                                 | Re-Audit After 0 Months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Draft Report Date:                                        | 05-18-2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Final Report Date:                                        | 06-19-2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Are all Action Items From Previous Assessment Completed?: | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Buildings in Complex:                                     | There are 6 buildings in the factory premises out of which one is main production building and five are ancillary buildings. The buildings are named as: 1) Seven Story Main Building, 2) Single Story Child care & Doctors Room, 3) Single Story Generator & Substation room, 4) Three Story ETP (Under construction), 5) Single Story Fire control and security room, 6) Single Story Fire pump & generator room.                                                                                                                                                                                                                                                                                |
| Is the building(s) owned or rented by the Factory:        | Owned                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Number of Building Levels (Stories):                      | Information provided below as per following format: Highest occupied floor level [Height up to roof], Stories above grade, Stories below grade, Occupied level. 1) Seven Story Main Building: 22.86 m or 75.0 ft [27.13 m or 89 ft], 7, 0, 7. 2) Single Story Child care & Doctors Room: At grade [3.0 m or 10 ft], 1, 0, 1. 3) Single Story Generator & Substation room: At grade [4.0 m or 13.12 ft], 1, 0, 1. 4) Three Story ETP (Under construction): At grade [14.7 m or 48.22 ft], 3, 0, 3. 5) Single Story Fire control and security room: 2.28 m or 7.5 ft [4.57 m or 15.0 ft], 2, 0, 2. 6) Single Story Fire pump & generator room: 0.3 m or 1 ft above grade [3.05 m or 10 ft], 1, 0, 1. |
| Approximate Building Area (SF):                           | Total area of buildings in the factory premises: 203507.00 sft. Building wise breakdown as follows: 1) Seven Story Main Building: 197782 sft (Ground floor: 26502 sft, 1st floor: 26502 sft, 2nd floor: 29569 sft, 3rd floor: 29569 sft, 4th floor: 29569 sft, 5th floor: 29569 sft, 6th floor: 26502 sft), 2) Single Story Child care & Doctors Room: 850 sft, 3) Single Story Generator & Substation room: 815 sft, 4) Three Story ETP (Under construction): 3150 sft (Ground floor: 1050 sft, 1st floor: 1050 sft, 2nd floor: 1050 sft), 5) Single Story Fire control and security room: 720 sft, 6) Single Story Fire pump & generator room: 100sft.                                           |
| Date of Building                                          | Factory personnel informed the date of construction as follows: 1) Seven Story Main Building: Ground floor to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction:                                       | 3rd floor finished in 2006, 2) Single Story Child care & Doctors Room: Finished in 2010, 3) Single Story Generator & Substation room: Finished in 2005, 4) Three Story ETP (Under construction): Construction on going, 5) Single Story Fire control and security room: Finished in 2013, 6) Single Story Fire pump & generator room: Finished in 2014.                                                                                                                                                                                                                                                                                                                                |
| Date of Last Building Renovation/Addition:          | 1) Seven Story Main Building: 4th, 5th & 6th floor finishing work is running.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ancillary Structures in Complex:                    | 1) Single Story Child care & Doctors Room, 2) Single Story Generator & Substation room, 3) Three Story ETP (Under construction), 4) Single Story Fire control and security room, 5) Single Story Fire pump & generator room.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Approximate Ancillary Structures Area (SF):         | 1) Single Story Child care & Doctors Room: 850 sft, 2) Single Story Generator & Substation room: 815 sft, 3) Three Story ETP (Under construction): 3150 sft (Ground floor: 1050 sft, 1st floor: 1050 sft, 2nd floor: 1050 sft), 4) Single Story Fire control and security room: 720 sft, 5) Single Story Fire pump & generator room: 100 sft.                                                                                                                                                                                                                                                                                                                                          |
| Number of Occupants:                                | Total number of occupants: 2157. 1) Seven Story Main Building: Total Occupants: 2149 (Ground floor: 50, 1st floor: 100, 2nd floor: 689, 3rd floor: 712, 4th floor: 588, 5th floor: 0, 6th floor: 10), 2) Single Story Child care & Doctors Room: 2, 3) Single Story Generator & Substation room: 2, 4) Three Story ETP (Under construction): 0, 5) Single Story Fire control and security room: 2, 6) Single Story Fire pump & generator room: 2.                                                                                                                                                                                                                                      |
| Number of Ancillary Levels (Stories):               | Information provided below as per following format: Highest occupied floor level [Height up to roof], Stories above grade, Stories below grade, Occupied level. 1) Single Story Child care & Doctors Room: At grade [3.0 m or 10 ft], 1, 0, 1. 2) Single Story Generator & Substation room: At grade [4.0 m or 13.12 ft], 1, 0, 1. 3) Three Story ETP (Under construction): At grade [14.7 m or 48.22 ft], 3, 0, 3. 4) Single Story Fire control and security room: 2.28 m or 7.5 ft [4.57 m or 15.0 ft], 2, 0, 2. 5) Single Story Fire pump & generator room: 0.3 m or 1 ft above grade [3.05 m or 10 ft], 1, 0, 1.                                                                   |
| Occupancy Type:                                     | 1) Seven Story Main Building: [Ground floor: H2 (Fabric good store), G2 (Washing plant), 1st floor: G2 (Cutting Section), 2nd floor: G2 (Finishing, Cutting section), 3rd floor: G2 (Sewing Section), 4th floor: G2 (Sewing Section), 5th floor: No operation, 6th floor: F1 (Office), E4 (Dining Hall), H1 (Accessories Room)], 2) Single Story Child care & Doctors Room: B2 (Child care), D1 (Doctor room), 3) Single Story Generator & Substation room: K (Generator, Substation), 4) Three Story ETP (Under construction): K (Miscellaneous), 5) Single Story Fire control and security room: F1 (Security room), 6) Single Story Fire pump & generator room: K (Generator room). |
| Construction Type:                                  | 1) Seven Story Main Building: Type 1, 2) Single Story Child care & Doctors Room: Type 1, 3) Single Story Generator & Substation room: Type 1, 4) Three Story ETP (Under construction): Type 1, 5) Single Story Fire control and security room: Type 1, 6) Single Story Fire pump & generator room: Non-rated.                                                                                                                                                                                                                                                                                                                                                                          |
| Height of Highest Occupied Floor Level Above Grade: | 1) Seven Story Main Building: Total area: 22.86 m or 75 ft, 2) Single Story Child care & Doctors Room: At grade, 3) Single Story Generator & Substation room: At grade, 4) Three Story ETP (Under construction): At grade (Under construction), 5) Single Story Fire control and security room: 2.28 m or 7.5 ft, 6) Single Story Fire pump & generator room: 0.3 m or 1 ft above grade.                                                                                                                                                                                                                                                                                               |



## 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:              | Though occupancy certificate is available and issued from Savar Cantonment board on 23rd February 2014 for Main building and ETP. But no certificates were available for other ancillary buildings.                                                                                    |                                                                                     |
| Source of Findings:       | Photograph: Occupancy certificate for main production and ETP issued from Savar Cantonment Board, Savar.                                                                                                                                                                               |                                                                                     |
| Suggested Plan of Action: | Apply to the Savar City Corporation for the issuance of occupancy certificate and expedite the matter.                                                                                                                                                                                 |                                                                                     |
| Suggested Deadline Date:  | 05 Feb 2015                                                                                                                                                                                                                                                                            |                                                                                     |
| 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:              | There was no damage found in the fire resistance materials of the structural members in the buildings. But the fire pump & generator room is steel structure without insulation, therefore non-rated. All the steel members, joints and other components were free rust and corrosion. |                                                                                     |
| Source of Findings:       | Visual Assessment: During site visit no damage was found in structural members of all buildings.                                                                                                                                                                                       |                                                                                     |
| 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:     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Description:              | 1) On ground floor, doors at warehouse were not fire rated, 2) On 1st floor, openings (high window) at the warehouse were protected by MS-grill, penetration through rated wall was found, 3) At spot removing room, glass door was found, 4) At boiler room opening was found unprotected. Doors at boiler, generator and compressor room were not fire rated. 5) An unprotected penetration was found at each floor for electrical wiring and ducts. |
| Source of Findings:       | Visual Assessment: Openings, penetration and non-rated doors were found.                                                                                                                                                                                                                                                                                                                                                                               |
| Suggested Plan of Action: | Close all windows and other existing openings and required fire rated separations or install fire rated protective and certified fire doors on the existing openings across the entire factory premises. Protect the penetrations of fire resistant rated assemblies with a listed through penetration fire-stop system tested in accordance with ASTM E814.                                                                                           |
| Suggested Deadline Date:  | 10 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:              | From physical measurement, main building floor slab thickness was found near 7.5 inches including finishing work, which is capable of providing approximately 3.5 hour fire resistance and complies with the requirements of the Alliance Standard Section 4.4.                                                                                                                                                                                        |
| Source of Findings:       | Visual Assessment: Penetration was found at each floor for electrical wiring and ducts.                                                                                                                                                                                                                                                                                                                                                                |
| 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:     | 1                                                                                                                                                                                                                                                                                                                                                                                                     |
| Description:              | At main building, spot removing room on 4th floor is separated from production floor with a glass door. Also, there is an unprotected opening in this separation wall. On ground floor, door at separation wall between warehouse and production floor was non-rated. There is no fire separation between generator and assembly point (main exit of the factory) as per BNBC Table 3.2.1 (pg-10352). |
| Source of Findings:       | Visual Assessment: Spot removing room, generator, boiler, compressor room, warehouse, etc. did not have proper separations with rated openings.                                                                                                                                                                                                                                                       |
| Suggested Plan of Action: | Provide fire-resistance rated construction barriers between hazard types following Table 4.1.1 from BNBC Part 4. Consult a qualified fire protection engineer to design the required rated construction barrier. Provide 1 hr fire separation at wall and 45 min fire separation at door to fire separate spot removing room. Provide 2 hr fire separation for generator room.                        |
| Suggested Deadline Date:  | 02 Jan 2015                                                                                                                                                                                                                                                                                                                                                                                           |
| 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:              | There are 4 exit enclosures in the main building installed with fire doors, but no credible certificates for those doors are available. The doors on these stairs need to be 1.5 hour rated as per Clause 4.5 and 4.6. Two of the staircases have openings at walls. Openings at walls are adjacent to production areas within 10 ft. Therefore, openings of the staircases are to be protected.      |
| Source of Findings:       | Photograph: Installed fire doors are not certified by any accredited authority.                                                                                                                                                                                                                                                                                                                       |
| Suggested Plan of Action: | Provide 2 hr fire-resistance rated construction barriers at exit enclosures. Fit door that swing in the direction of egress, side-swinging, self-closing, non-lockable fire doors of 1.5 hr rating in all stairwell enclosures. Consult a qualified fire protection engineer to design the required rated construction barriers.                                                                      |
| Suggested Deadline Date:  | 09 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:              | No shaft other than staircases is available in the factory.                                                                     |  |
| Source of Findings:       | Visual Assessment: No shaft other than staircases is available in the factory.                                                  |  |
| Suggested Plan of Action: |                                                                                                                                 |  |
| 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:              | No air-conditioning and ventilation ducts are available in the factory.                                                         |  |
| Source of Findings:       | Visual Assessment: From visual assessment it has been found that there is no ventilation ducts available in the factory.        |  |
| Suggested Plan of Action: |                                                                                                                                 |  |
| 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 is available in the buildings.                                                                                        |  |
| Source of Findings:       | Visual Assessment: No atrium is available in the buildings.                                                                     |  |
| 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:     | 3                                                                                                                                                                                                                                                                                                       |  |
| Description:              | Height of the highest occupied floor of the main building is 22.86 m or 75ft, which is close to 23 m and all other buildings are less than 3-story, so automatic sprinkler system is required for the main production building as per Alliance Standard Section 5.3                                     |  |
| Source of Findings:       | Visual Assessment: Height of the highest occupiable level of the main building was 22.86 m which is close to 23 m So, automatic sprinkler system required.                                                                                                                                              |  |
| Suggested Plan of Action: | Install an automatic sprinkler system throughout the building designed by a qualified fire protection engineer. The hydraulic design of the sprinkler system has to be pre-approved by CoE of Alliance. All systems shall be hydraulically calculated to meet the required NFPA 13 design requirements. |  |
| Suggested Deadline Date:  | 19 Mar 2015                                                                                                                                                                                                                                                                                             |  |
| 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:              | Height of the highest occupied floor of main building is 22.86 m, where sprinkler system is required according to alliance standards Part 3 Section 3.5.3. But no sprinkler system is installed, therefore design criteria is not applicable in this case.                                              |  |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler is not installed in the 7 story main production building.                                                                                                                                                                          |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore commodity class is not applicable in this case.                                                                                                                                                          |  |



|                           |                                                                                                                                                                              |  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler is not installed in the 7 story main production building.                                               |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore occupancy classification is not applicable in this case.                      |  |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler is not installed in the 7 story main production building.                                               |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore inspection, maintenance and testing procedure is not applicable in this case. |  |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.                                        |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore identification signs are not applicable in this case. |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.                |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case.            |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.                |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case.            |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.                |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case. |  |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.     |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case. |  |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.     |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case. |  |



|                           |                                                                                                                                           |  |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.     |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case. |  |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.     |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case. |  |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.     |  |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case. |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.     |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case. |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.     |
| 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:              | Sprinkler system is required for the buildings but no sprinkler system is installed, therefore this issue is not applicable in this case. |
| Source of Findings:       | Visual Assessment: Though the building height is 75ft, but sprinkler system is not installed in the 7 story main production building.     |
| 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:              | Height of the highest occupied floor of the main building is more than 10 m (33 ft) above grade, therefore a standpipe system needs to be installed throughout the building. 40 mm hose connections were available, but 65 mm hose connection was not available at stairwells. The available standpipe system in the main building does not meet the requirements of NFPA 14.                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source of Findings:       | Visual Assessment: The existing standpipe system only provides 40 mm hosepipe connections but 65 mm connection were not available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Suggested Plan of Action: | Install a standpipe system at required locations designed by a qualified fire protection engineer. The system is to be compliant with the requirements of NFPA 14. The hydraulic calculations should be reviewed by Alliance and review to be completed prior to start of work. All standpipe system installations shall be submitted to the Alliance for review prior to commencement of installation. System design should also account for the two additional stories currently under construction. Testing of the installation shall be conducted in accordance with NFPA 14 acceptance testing requirements. Documentation of all testing shall be submitted for review by the Alliance. Final inspection and testing of the installation shall be witnessed by the Alliance. |
| Suggested Deadline Date:  | 10 Oct 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:              | NFPA-compliant standpipe system is not installed. Inspection, maintenance, and testing procedures of the existing standpipe and hose system are not documented and up-to-date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Source of Findings:       | Document Review: No document regarding inspection, maintenance and testing procedure of standpipe and hose system was found among the documents shown by the factory personnel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Suggested Plan of Action: | Install class III standpipe system at required locations designed by a qualified fire protection engineer. The system is to be compliant with the requirements of NFPA 14. Then establish an inspection, maintenance, and testing program for the standpipe and hose system. Program must comply with the requirements of NFPA 25 Chapter 6 Table 6.1.1.2.                                                                                                                                                                                                                                                                                                                                                                                                                         |





|                           |                                                                                                                                                                                                                                                                              |  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Suggested Deadline Date:  | 02 Jan 2015                                                                                                                                                                                                                                                                  |  |
| Standard:                 | Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2                                                                                                                                                                                                         |  |
| Question:                 | Is signage for the standpipe system installed at required locations and on required components?                                                                                                                                                                              |  |
| Priority Level:           | Low                                                                                                                                                                                                                                                                          |  |
| Non-Compliance Level:     | 1                                                                                                                                                                                                                                                                            |  |
| Description:              | NFPA-compliant standpipe system is not installed in the building. Signage for the available standpipe system is not installed.                                                                                                                                               |  |
| Source of Findings:       | Visual Assessment: No signage for standpipe was found.                                                                                                                                                                                                                       |  |
| Suggested Plan of Action: | Install a standpipe system at required locations designed by a qualified fire protection engineer. The system is to be compliant with the requirements of NFPA 14. Install required identification signs at the noted locations. Signage must comply with NFPA 14 Chapter 6. |  |
| Suggested Deadline Date:  | 29 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:              | Damage, leakage or corrosion was not found in the installed standpipe system piping.                                                                                                                                                                                         |  |
| Source of Findings:       | Visual Assessment: The existing standpipe system only provide 40 mm hosepipe connections but 65 mm connection was not available.                                                                                                                                             |  |
| 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:     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |
| Description:              | Fire department (Siamese) inlet connection and outlet connection (pillar hydrant) are provided as per clause 5.5.4. Connections are clearly identifiable.                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |
| Source of Findings:       | Visual Assessment: Fire department (Siamese) inlet connection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |
| Suggested Plan of Action: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |
| Suggested Deadline Date:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |
| 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:     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                      |
| Description:              | A dedicated fire pump is available. However, it does not comply with the requirements of Alliance Standards and NFPA 20. Hydraulic calculation for required standpipe system is not also available. Therefore, required capacity of fire pump is not known.                                                                                                                                                                                                                                                                          |                                                                                      |
| Source of Findings:       | Visual Assessment: A fire pump with back up power was available in the factory.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |
| Suggested Plan of Action: | Install a pump dedicated for fire fighting or fire protection following the requirements of NFPA 20. 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. Acceptance testing of the installation shall be in accordance with NFPA 20, 22, and 24 testing requirements. Documentation of all testing shall be submitted to the Alliance for review prior to final acceptance by the Alliance. |                                                                                      |
| Suggested Deadline Date:  | 05 Oct 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:     | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                      |
| Description:              | Installed fire pump does not comply with the requirements of Alliance Standards and NFPA 20. Inspection, maintenance, and testing procedures of                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |



|                           |                                                                                                                                                                                                                          |                                                                                       |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                           | the installed pump is not documented and up to date.                                                                                                                                                                     |                                                                                       |
| Source of Findings:       | Document Review: No document regarding inspection, maintenance and testing procedure of fire pump was found in the documents shown by the factory personnel.                                                             |                                                                                       |
| Suggested Plan of Action: | Install a pump dedicated for fire fighting or fire protection following the requirements of NFPA 20. Then establish an inspection, maintenance, and testing program for the fire pump. Program must comply with NFPA 25. |                                                                                       |
| Suggested Deadline Date:  | 05 Apr 2015                                                                                                                                                                                                              |                                                                                       |
| 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:              | Portable extinguishers are installed within 100 ft travel distance and at 5 ft or 3.5 ft maximum height above floor.                                                                                                     |                                                                                       |
| Source of Findings:       | Visual Assessment: Fire extinguishers were found in required place and maximum fire extinguisher installation height was 4' 2" from floor level.                                                                         |                                                                                       |
| 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:     |                                                                                                                                                                                                                          |                                                                                       |
| Description:              | Foam, Carbon dioxide and Dry chemical extinguishers are installed throughout the buildings based on fire class and hazard.                                                                                               |                                                                                       |
| Source of Findings:       | Visual Assessment: Fire extinguisher was installed based on required occupancy type.                                                                                                                                     |                                                                                       |
| Suggested Plan of Action: |                                                                                                                                                                                                                          |                                                                                       |
| Suggested Deadline Date:  |                                                                                                                                                                                                                          |                                                                                       |
| Standard:                 | NFPA 10 Chapter 5                                                                                                                                                                                                        |                                                                                       |

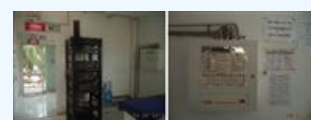


|                           |                                                                                                                                                                                                                                                                |  |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Question:                 | Fire extinguishers are inspected, tested, and maintained as required.                                                                                                                                                                                          |  |
| Priority Level:           | Medium                                                                                                                                                                                                                                                         |  |
| Non-Compliance Level:     | 2                                                                                                                                                                                                                                                              |  |
| Description:              | Extinguishers are inspected monthly by factory's concerned people, but no document was found in support of 1) annual maintenance of extinguishers by a servicing agent and 2) annual testing of nozzle of CO2 extinguisher. These are required as per NFPA 10. |  |
| Source of Findings:       | Document Review: No document regarding inspection, maintenance and testing procedure of fire extinguisher was found in the documents shown by the factory personnel.                                                                                           |  |
| Suggested Plan of Action: | Provide and maintained documentation of inspection, test in accordance with NFPA 10 Chapter 7.                                                                                                                                                                 |  |
| Suggested Deadline Date:  | 30 Dec 2014                                                                                                                                                                                                                                                    |  |
| Standard:                 | NFPA 10 Chapter 7                                                                                                                                                                                                                                              |  |
| Question:                 | Are there any other fire suppression systems installed within the building?                                                                                                                                                                                    |  |
| Priority Level:           |                                                                                                                                                                                                                                                                |  |
| Non-Compliance Level:     |                                                                                                                                                                                                                                                                |  |
| Description:              | No other fire suppression system is available within the buildings.                                                                                                                                                                                            |  |
| Source of Findings:       | Visual Assessment: No other fire suppression system is available within the buildings.                                                                                                                                                                         |  |
| Suggested Plan of Action: |                                                                                                                                                                                                                                                                |  |
| 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:     | 1                                                                                                                                                                                                                                                              |  |
| Description:              | An automatic fire alarm and detection system is available in the factory, but currently there is no monitoring company in Bangladesh. Fire service and civil defense is not also capable of monitoring fire alarm and detection systems of the factories.      |  |
| Source of Findings:       | Visual Assessment: Fire alarm and detection system was not monitored by a central station monitoring service or not directly connected to the Fire Service                                                                                                     |  |





|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           | and Civil Defense                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Suggested Plan of Action: | Arrange for direct connection of the fire alarm system to a central monitoring station or Fire Service and Civil Defense. Until that time that monitoring can be set up, arrange a monitoring system using factory's own central detection system and personnel. A person shall be assigned to contact the fire department in the event of fire alarm activation. An annunciator shall be located in a constantly attended location (such as a fire control room) to alert this person. |
| Suggested Deadline Date:  | 15 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:              | Trouble or alarm notifications are indicated on fire alarm control panel.                                                                                                                                                                                                                                                                                                                                                                                                               |
| Source of Findings:       | Visual Assessment: The fire alarm control panel was capable to indicate any trouble or notification within the existing detection system.                                                                                                                                                                                                                                                                                                                                               |
| 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:     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Description:              | Pull stations, smoke detectors, visual and audible devices are placed where required.                                                                                                                                                                                                                                                                                                                                                                                                   |
| Source of Findings:       | Visual Assessment: The fire alarm, pull station and detectors were available and installed at right location.                                                                                                                                                                                                                                                                                                                                                                           |
| Suggested Plan of Action: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Suggested Deadline Date:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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:              | On 3rd floor of the main building occupant load was 712 which is maximum among all floors and the available floor area was 2748.36 Sqm. So available space per occupant was 3.86 Sqm which is more than the requirement (2.3 Sqm per occupant), there are four stairs in the building total width of 6.56 m (1.9 3m + 1.88 m + 1.33 m + 1.42 m) where required total width is $712 \times .005 = 3.6$ m as demanded in Alliance Standard Part 6 Section 6.4.2.1. |                                                                                       |
| Source of Findings:       | Visual Assessment: Occupant loads on each floor were within the capacity of the available means of egress.                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |
| 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:              | Roofs of the buildings were unoccupied.                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                       |
| Source of Findings:       | Visual Assessment: Roofs of the buildings were unoccupied.                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                       |
| 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:     |                                                                                                                                                                                                                                                                         |
| Description:              | In main building roof parapet wall height is 52" (1.32m). However, roof was unoccupied during assessment.                                                                                                                                                               |
| Source of Findings:       | Visual Assessment: However, roof was unoccupied during assessment.                                                                                                                                                                                                      |
| Suggested Plan of Action: |                                                                                                                                                                                                                                                                         |
| 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 are not posted in any assembly and production floor as required.                                                                                                                                                                                         |
| Source of Findings:       | Visual Assessment: Occupant loads were not found posted in any production or assembly area.                                                                                                                                                                             |
| Suggested Plan of Action: | Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.                                                                                                            |
| Suggested Deadline Date:  | 15 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:              | In main building aisles clear width is found from 0.9m (36in) to 1.2m (48in), so the aisles satisfy the requirement of minimum width and total width for occupant load based on occupancy type as per Alliance Standard Part 6 Section 6.5.1 BNBC Part 4 Section 3.5.1. |
| Source of Findings:       | Visual Assessment: No obstruction is found in aisles and from measurement and clear widths are found sufficient.                                                                                                                                                        |





|                           |                                                                                                                                                                                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 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:              | Aisle, exit door and stair widths comply the requirements of Alliance Standard Part 6 Section 6.5.4 or BNBC Part 4 Table 4.3.2.                                                           |                                                                                     |
| Source of Findings:       | Visual Assessment: The paths of egress are found free of obstructions and not reduced at any point of travel.                                                                             |                                                                                     |
| 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:              | Means of egress of all the buildings are high enough to meet requirement of the minimum ceiling height requirement of 2.3 m and minimum height at projection are also higher than 2.03 m. |                                                                                     |
| Source of Findings:       | Visual Assessment: Ceiling height was measured on sample basis.                                                                                                                           |                                                                                     |
| 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:     |                                                                                                                                                                                                                                                                                                                                            |
| Description:              | Exit discharges are directly to the exterior of the buildings and do not reenter a building.                                                                                                                                                                                                                                               |
| Source of Findings:       | Visual Assessment: 4 nos exit stairs discharge directly to the exterior of the building.                                                                                                                                                                                                                                                   |
| Suggested Plan of Action: |                                                                                                                                                                                                                                                                                                                                            |
| Suggested Deadline Date:  |                                                                                                                                                                                                                                                                                                                                            |
| 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:              | Maximum travel distance to exit is within 45m. Automatic fire detection system, portable fire extinguisher are provided but standpipe system is not provided in accordance with Alliance Standard. Yet, travel distance does not exceed the allowable limit 45m set by Alliance Standard Part 6 Section 13 and BNBC Part 4 Section 3.15.1. |
| Source of Findings:       | Visual Assessment: From Visual Assessment it was found that the maximum travel distance for the main building is not more than 45m.                                                                                                                                                                                                        |
| 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:              | No such a corridor was available in the buildings.                                                                                                                                                                                                                                                                                         |





|                           |                                                                                                                                                                                                  |  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Source of Findings:       | Visual Assessment: No corridor was found.                                                                                                                                                        |  |
| 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:              | The interior finish of the means of egress is of homogeneous tiles, plaster and non-combustible paint. However, no document proving the class of interior finishes as per NFPA 101 is available. |  |
| Source of Findings:       | Visual Assessment: The interior finish of the means of egress is of homogeneous tiles, plaster and non-combustible paint.                                                                        |  |
| 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:              | Exits are made of brick walls and doors that look like fire doors. However, no document proving the class of interior materials of exits as per NFPA 101 is available.                           |  |
| Source of Findings:       | Visual Assessment: Exits are made of brick walls and doors that look like fire doors.                                                                                                            |  |
| 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:              | In the main building the number of means of egress from any floor is 4. In other buildings also, number of means of egress is not less than required.                                    |
| Source of Findings:       | Visual Assessment: 4 exit stairs are available in the main building.                                                                                                                     |
| 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:              | Highest occupant load at 3rd floor of main building was 712 and there are 4 exits available on each floor of the main building, which was sufficient.                                    |
| Source of Findings:       | Visual Assessment: 4 exits stair in the main building.                                                                                                                                   |
| 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:              | Aisles, staircases and other areas along means of egress are provided with compliant means of illumination.                                                                              |
| Source of Findings:       | Visual Assessment: Means of egress were found sufficiently illuminated while auditing.                                                                                                   |
| 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:     |                                                                                                                                                                                                                                                                                                                                 |  |
| Description:              | Aisles, staircases and other areas along the means of egress were found free from any obstructions and stored materials.                                                                                                                                                                                                        |  |
| Source of Findings:       | Visual Assessment: Means of egress were found free from any obstructions and stored materials.                                                                                                                                                                                                                                  |  |
| Suggested Plan of Action: |                                                                                                                                                                                                                                                                                                                                 |  |
| Suggested Deadline Date:  |                                                                                                                                                                                                                                                                                                                                 |  |
| 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:              | Record of verifying emergency power for means of egress illumination was not found as required.                                                                                                                                                                                                                                 |  |
| Source of Findings:       | Document Review: No document regarding verification of emergency power for means of egress was found among the documents shown by the factory personnel.                                                                                                                                                                        |  |
| Suggested Plan of Action: | Develop a testing and maintenance program that ensures the emergency power for all egress lighting is verified at least once per year. If battery-operated lights are used, these lights shall be tested on a monthly basis. Functional testing of battery powered lights shall be provided for a minimum 90 min once per year. |  |
| Suggested Deadline Date:  | 15 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:     | 2                                                                                                                                                                                                                                                                      |
| Description:              | Most of the doors are outward swinging and do not have any locking devices, but the door at the entrance to production floor on ground floor had a locking device.                                                                                                     |
| Source of Findings:       | Visual Assessment: The door at the entrance to production floor on ground floor was provided with locking device.                                                                                                                                                      |
| Suggested Plan of Action: | Remove all locking devices from all egress doors and means of egress components in accordance with Alliance Standard Section 6.8. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.                           |
| Suggested Deadline Date:  | 01 Aug 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:     | 2                                                                                                                                                                                                                                                                      |
| Description:              | Door widths are more than 0.8 m. The doors appear to be fire doors. However, no credible certificate for those doors is available.                                                                                                                                     |
| Source of Findings:       | Visual Assessment: No credible certificate for existing fire doors are available. Only certificate from local manufacturer was available.                                                                                                                              |
| Suggested Plan of Action: | Replace non-compliant doors and frames in the means of egress with side-swinging doors. Replacement doors shall be a minimum width of 0.8 m (32 in), and are listed, approved, self-closing, fire rated door assemblies (door and frame) with latching panic hardware. |
| Suggested Deadline Date:  | 08 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:     | 1                                                                                                                                                                                                    |
| Description:              | All exit doors at main building were side-hinged swinging type but doors at day care and doctor's room, at the entrance to production floor, were found with sliding type doors with glass.          |
| Source of Findings:       | Visual Assessment: Exit doors at main building were side-hinged swinging type but doors at day care and doctor room, at the entrance to production floor were found sliding type door with glass.    |
| Suggested Plan of Action: | Replace all sliding type doors in the means of egress with side-hinged swinging type doors of proper width and rating.                                                                               |
| Suggested Deadline Date:  | 08 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:              | Illuminated exit signs are placed at required locations.                                                                                                                                             |
| Source of Findings:       | Photograph: Illuminated Exit Signs are placed at doors and Aisles.                                                                                                                                   |
| Suggested Plan of Action: |                                                                                                                                                                                                      |
| 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:     |                                                                                                                                                                                                      |
| Description:              | There is no such elevation difference detected.                                                                                                                                                      |
| Source of Findings:       | Visual Assessment: During site visit no such elevation difference was found.                                                                                                                         |
| 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:              | Illuminated exit signs are provided with battery backup for continuous illumination.                                                                                                                                                                                                                              |  |
| Source of Findings:       | Visual Assessment: Illuminated exit signs are provided with battery backup for continuous illumination.                                                                                                                                                                                                           |  |
| 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:     | 3                                                                                                                                                                                                                                                                                                                 |  |
| Description:              | No plan or record of conducting periodic tests of the emergency battery backup for illumination of exit signs was found as required.                                                                                                                                                                              |  |
| Source of Findings:       | Document Review: No relevant document was found in the factory.                                                                                                                                                                                                                                                   |  |
| Suggested Plan of Action: | Develop a testing and maintenance program that ensures the emergency power for exit signs is tested at least once per year. If battery operated signs are used, these lights are to be tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 minutes once per year. |  |
| Suggested Deadline Date:  | 12 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:     |                                                                                                                                                                          |                                                                                      |
| Description:              | Exit signs have appropriate illumination level and contrasting graphics as demanded in section 10.12.1.2 of Alliance Standard.                                           |                                                                                      |
| Source of Findings:       | Visual Assessment: Exit signs were found with appropriate graphics and illumination level                                                                                |                                                                                      |
| Suggested Plan of Action: |                                                                                                                                                                          |                                                                                      |
| Suggested Deadline Date:  |                                                                                                                                                                          |                                                                                      |
| 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:              | Walking surfaces along the path of egress are of homogenous tiles and net cement finishing, these will not cause slip during quick evacuation under emergency situation. |                                                                                      |
| Source of Findings:       | Photograph: Walking surfaces along the path of egress., Visual Assessment: Walking surfaces along the path of egress are of homogenous tiles and net cement finishing .  |                                                                                      |
| Suggested Plan of Action: |                                                                                                                                                                          |                                                                                      |
| 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:              | All the Stairs of all buildings are made of concrete except the external stair for ETP, which is a steel stair. Since, number of occupant is there so it could be considered compliant. |                                                                                       |
| Source of Findings:       | Visual Assessment: All the Stairs of all buildings are made of concrete except the external stair for ETP, which is a steel stair.                                                      |                                                                                       |
| 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:              | All the stairs are wider than 0.9m.                                                                                                                                                     |                                                                                       |
| Source of Findings:       | Visual Assessment: Stairs are wider than is 0.9 m.                                                                                                                                      |   |
| 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:              | Stair treads and risers are of nominal uniformity.                                                                                                                                      |                                                                                       |
| Source of Findings:       | Visual Assessment: Stair treads and risers are of nominal uniformity.                                                                                                                   |                                                                                       |
| 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:              | Landings are provided on both sides of doors. Landings are sufficiently wide such that doors do not swing out over stairs.                                                                                                                                                |  |
| Source of Findings:       | Visual Assessment: During site visit landings were found on both sides of doors.                                                                                                                                                                                          |  |
| 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:              | Landings are of same or more width in the direction of egress as the stair width.                                                                                                                                                                                         |  |
| Source of Findings:       | Visual Assessment: During site visit landings were found with same or more width in the direction of egress as the stair width.                                                                                                                                           |  |
| 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:     |                                                                                                                                                                                                                                                                           |  |





|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description:              | In main building handrails are provided on both sides of all the stairs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Source of Findings:       | Visual Assessment: Handrails were found on both sides of the stairs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Suggested Plan of Action: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Suggested Deadline Date:  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 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:     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description:              | The main/production building has 7 stories, but doors are not provided with re-entry. Stair doors along the means of egress shall have re-entry doors either only on 5th floor or on both 6th and 1st floor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Source of Findings:       | Visual Assessment: No re-entry door was found.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Suggested Plan of Action: | Stair doors in means of egress shall have re-entry doors either only on 5th floor or on both 6th and 1st floor. Stair doors may be permitted to be locked from the stair (ingress) side that prevents re-entry to the floor provided at least two floors allowing re-entry to access another exit are provided, there are not more than 4 stories intervening between re-entry floors, re-entry is allowed on the top or next to top level, re-entry doors are identified as such on the stair side, and locked doors shall be identified as to the nearest re-entry floors. When the discharge floor is determined to be a required re-entry floor using the above requirements, re-entry does not have to be provided back into the building on this level. |
| Suggested Deadline Date:  | 09 Oct 2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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:     | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description:              | There is no exterior exit stair in the main building. A non-rated exterior steel stair is provided for three story ETP building which is under construction. Another two story building with non-rated openings is located within 10 ft of the exterior stair of the ETP building.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Source of Findings:       | Visual Assessment: Non-rated openings are available within 10 ft of exterior                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |





|                           |                                                                                                                                                                                                                  |  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                           | stair of ETP building.                                                                                                                                                                                           |  |
| Suggested Plan of Action: | Provide fire protected openings within 10 ft span of the exterior steel stair of ETP building or relocate the exterior stair.                                                                                    |  |
| Suggested Deadline Date:  | 05 Sep 2014                                                                                                                                                                                                      |  |
| Standard:                 | Alliance Standard Part 6 Section 6.3.1.2. Three stories or less 1-hr rating. Four stories or 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:     |                                                                                                                                                                                                                  |  |
| Description:              | Interior exit stairways terminate at exit discharges.                                                                                                                                                            |  |
| Source of Findings:       | Visual Assessment: Interior exit stairways terminate at exit discharges.                                                                                                                                         |  |
| Suggested Plan of Action: |                                                                                                                                                                                                                  |  |
| Suggested Deadline Date:  |                                                                                                                                                                                                                  |  |
| 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:     | 3                                                                                                                                                                                                                |  |
| Description:              | Floor and stair designation signs are not provided at each floor on required location.                                                                                                                           |  |
| Source of Findings:       | Visual Assessment: Floor and stair designation signs are not provided at each floor on required location.                                                                                                        |  |
| Suggested Plan of Action: | Install signage in both Bengali and English adjacent to each stair door indicating the stair name and the floor level at the noted locations.                                                                    |  |
| Suggested Deadline Date:  | 15 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:              | Stairwells are free from storage.                                                                                           |                                                                                     |
| Source of Findings:       | Visual Assessment: During stairwell were found free from storage.                                                           |                                                                                     |
| 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:     | 2                                                                                                                           |                                                                                     |
| Description:              | Ramp following a stair on ground floor was found with required width but no handrail on any side.                           |                                                                                     |
| Source of Findings:       | Visual Assessment: Ramp following a stair on ground floor was found with required width but no handrail.                    |                                                                                     |
| Suggested Plan of Action: | Provide handrail on both sides of the ramp.                                                                                 |                                                                                     |
| Suggested Deadline Date:  | 11 Jun 2015                                                                                                                 |                                                                                     |
| 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:              | Ramp following a stair on ground floor was found with required compliant slope.                                             |                                                                                     |
| Source of Findings:       | Visual Assessment: Ramp following a stair on ground floor was found with required compliant slope.                          |                                                                                     |
| Suggested Plan of Action: |                                                                                                                             |                                                                                     |
| Suggested Deadline        |                                                                                                                             |                                                                                     |



|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Date:                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 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:       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Description:                | A man introduced as a Fire Safety Director was present in the meeting. However, no document regarding the appointment of that position was available.                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Source of Findings:         | Document Review: No document regarding appointment of a Fire Safety Director was available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 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 out the required duties. The duties of the Fire Safety Director shall include the following: (1) Establish internal and external rally points and communicate them to all employees in the building. (2) Fire department pre-planning. (3) Conduct safety inspections as outlined in Alliance standard 13.9. (4) Ensure all testing of fire protection equipment is conducted in accordance with Alliance standard 13.10. |  |
| Suggested Deadline Date:    | 05 Jan 2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |
| 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:       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Description:                | No documentation regarding any emergency evacuation plan was found. Workers state they have been informed and instructed about a safe evacuation process.                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| Source of Findings:         | Document Review: No documentation regarding emergency evacuation plan was found.                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| Suggested Plan of Action:   | Develop an emergency evacuation plan, which includes duties and responsibilities of various people/groups, interfacing between groups and fire brigade, headcount and identification of trapped victims, physically disabled people and their rescue, etc. and all components required by the Alliance Standards and communicate the plan to all employees.                                                                                                                                                                                                    |  |
| Suggested Deadline Date:    | 15 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:              | Emergency egress maps are posted at the entrance to exit stairs.                                                                                                                         |
| Source of Findings:       | Visual Assessment: Emergency egress maps are posted on the entrance to exit stairs.                                                                                                      |
| 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:     | 3                                                                                                                                                                                        |
| Description:              | Fire department pre-planning was not found.                                                                                                                                              |
| Source of Findings:       | Document Review: No document regarding fire department pre-planning was found.                                                                                                           |
| Suggested Plan of Action: | Complete fire department pre-planning activities with the local Fire Service and Civil Defense.                                                                                          |
| Suggested Deadline Date:  | 15 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:     | 1                                                                                                                                                                                        |
| Description:              | Fire drills are conducted once in a month but not under the supervision of a Fire Safety Director.                                                                                       |
| Source of Findings:       | Visual Assessment: Fire drills are conducted once in a month but not under the supervision of a Fire Safety Director. Documents regarding fire drill were available.                     |
| Suggested Plan of Action: | Conduct fire drills on a quarterly basis as outlined in BNBC Part 4 Appendix A for all garment facilities. Fire drills shall be conducted under the direction of a Fire Safety Director. |





|                           |                                                                                                                                                 |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Suggested Deadline Date:  | 15 Aug 2014                                                                                                                                     |                                                                                     |
| 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:     | 2                                                                                                                                               |                                                                                     |
| Description:              | Only 40 people out of more than 2000 are trained and certified in fire fighting, first aid and rescue.                                          |                                                                                     |
| Source of Findings:       | Visual Assessment: 40 people are trained and certified in fire fire fighting, first aid, and rescue by Fire Service & Civil Defense department. |                                                                                     |
| Suggested Plan of Action: | Train at least 25 percent of workers in fire fighting, first aid and rescue by the proper authority.                                            |                                                                                     |
| Suggested Deadline Date:  | 02 Jan 2015                                                                                                                                     |                                                                                     |
| Standard:                 | Alliance Standard Part 13 Human Element Programs                                                                                                |                                                                                     |
| Question:                 | A written housekeeping policy is established and enforced.                                                                                      |                                                                                     |
| Priority Level:           | Low                                                                                                                                             |                                                                                     |
| Non-Compliance Level:     |                                                                                                                                                 |                                                                                     |
| Description:              | Written housekeeping policy was found as per Alliance Standards Part 13 Section 13.6.                                                           |                                                                                     |
| Source of Findings:       | Document Review: From Document review it was found that factory have the house keeping policy.                                                  |                                                                                     |
| Suggested Plan of Action: |                                                                                                                                                 |                                                                                     |
| Suggested Deadline Date:  |                                                                                                                                                 |                                                                                     |
| 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:              | A hot-work permit program is not established as required.                                                                                       |                                                                                     |
| Source of Findings:       | Document Review: No documentation of hot-work permit program was found.                                                                         |                                                                                     |
|                           |                                                                                                                                                 |                                                                                     |



|                           |                                                                                                                                                                                                                                                                                                                                                                         |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Suggested Plan of Action: | Develop a hot-work permit program. The program must comply with the requirements of NFPA 51B. In general, this program should address process of request and approval of authorities, necessary checks prior to approval, standby fire watch and firefighting equipment, sounding of alarm procedure, duration and expiration of permit and re-approval procedure, etc. |  |
| Suggested Deadline Date:  | 05 Mar 2015                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |
| 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:     | 2                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |
| Description:              | Fabrics stored underneath the cutting tables of cutting section.                                                                                                                                                                                                                                                                                                        |                                                                                     |
| Source of Findings:       | Visual Assessment: During site visit storage underneath cutting table was found available of combustibles.                                                                                                                                                                                                                                                              |                                                                                     |
| Suggested Plan of Action: | Remove all combustibles stored underneath the cutting tables at the noted locatio                                                                                                                                                                                                                                                                                       |                                                                                     |
| Suggested Deadline Date:  | 30 Jan 2015                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |
| 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:     | 2                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |
| Description:              | No document of any training program was found in accordance with the Alliance Safety Training Curriculum.                                                                                                                                                                                                                                                               |                                                                                     |
| Source of Findings:       | Document Review: No such document was found.                                                                                                                                                                                                                                                                                                                            |                                                                                     |
| Suggested Plan of Action: | Impart training in accordance with Alliance Safety Training Curriculum and keep record with proper documentation.                                                                                                                                                                                                                                                       |                                                                                     |
| Suggested Deadline Date:  | 15 Aug 2014                                                                                                                                                                                                                                                                                                                                                             |                                                                                     |
| Standard:                 | Alliance Standards Part 13                                                                                                                                                                                                                                                                                                                                              |                                                                                     |
| Question:                 | Smoking is only allowed at designated areas.                                                                                                                                                                                                                                                                                                                            |                                                                                     |
| Priority Level:           | Low                                                                                                                                                                                                                                                                                                                                                                     |                                                                                     |
| Non-Compliance Level:     | 1                                                                                                                                                                                                                                                                                                                                                                       |                                                                                     |





|                           |                                                                                                                                             |  |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--|
| Description:              | Smoking is prohibited as per verbal information of factory personnel. However, no designated smoking area is created outside the buildings. |  |
| Source of Findings:       | Visual Assessment: No designated smoking area is created outside the buildings.                                                             |  |
| Suggested Plan of Action: | Provide a designated smoking area is created outside the buildings.                                                                         |  |
| Suggested Deadline Date:  | 01 Aug 2014                                                                                                                                 |  |
| 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:              | Permits and licenses were valid and up to date.                                                                                             |  |
| Source of Findings:       | Document Review: Upon document review all the applicable permits were found available.                                                      |  |
| Suggested Plan of Action: |                                                                                                                                             |  |
| Suggested Deadline Date:  |                                                                                                                                             |  |
| 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:              | There is no additional areas of non-compliance to report.                                                                                   |  |
| Source of Findings:       |                                                                                                                                             |  |
| Suggested Plan of Action: |                                                                                                                                             |  |
| Suggested Deadline Date:  |                                                                                                                                             |  |
| Standard:                 | Not Applicable                                                                                                                              |  |