



EQUIVALENT INITIAL FIRE SAFETY ASSESSMENT

Factory Name: **DB Tex Ltd.**
Address: **Nayapara, Kashimpur Gazipur Gazipur Dhaka
Bangladesh**
Assessor: **Bureau Veritas**
Date: **10 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.



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ALLIANCE
FOR BANGLADESH WORKER SAFETY

GENERAL INFORMATION

General Information

Factory Name:	DB Tex Ltd.
Address:	Nayapara, Kashimpur Gazipur Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Gazipur
Zip Code:	
Audit Duration:	
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	05-18-2014
Final Report Date:	06-26-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 16 buildings in the factory premises out of which nine are main production buildings, two are under construction buildings and 5 are ancillary buildings. The buildings are named as: 1) MTL-1 Single story prefab production shed, 2) MTL-2 Three story RCC building, 3) HTL-1 Single story prefab production shed, 4) HTL-2 Four story steel structure building, 5) HWL Single story prefab production shed with mezzanine, 6) DBTL-1 Single story prefab production shed, 7) DBTL-2 Three story RCC building, 8) DBTL-3 Three story RCC building, 9) DBTL-4 Four story RCC building, 10) Two nos Prefabricated Steel structure(Under construction), 11) One nos five story R.C.C building(Under construction), 12) Single story prefab boiler and compressor shed, 13) Single story Generator and power control R.C.C Building, 14) Single story Fire command CI shed, 15) Single story Security building, 16) Pump house building.
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) MTL-1: 30cm or 1ft [5.48m or 18ft],1,0,1, 2) MTL-2: 7.32m or 24ft [10.67m or 35ft],3,0,3, 3) HTL-1: 30cm or 1ft [5.48m or 18ft],1,0,1, 4) HTL-2: 10.61m or 34.8ft [14.02m or 46ft],4,0,4, 5) HWL: 30cm or 1ft [5.48m or 18ft],1,0,1, 6) DBTL-1: 30cm or 1ft [5.48m or 18ft],1,0,1, 7) DBTL-2: 7.42m or 24.33ft [10.67m or 35ft],3,0,3, 8) DBTL-3: 7.42m or 24.33ft [10.67m or 35ft],3,0,3, 9) DBTL-4: 9.76m or 32.0ft [12.91m or 42.34ft],4,0,4, 10) Under construction, 11) Under construction, 12) Single story boiler shed: 30cm or 1 ft [5.48m or 18ft],1,0,1, 13) Single story generator building: 30cm or 1 ft [4.58m or 15ft],1,0,1, 14) Single story fire command shed: 30cm or 1 ft [5.48m or 18ft],1,0,1, 15) Single story security building: At grade [3.05m or 10ft],1,0,1, 16) Pump house building: At grade [3.05m or 10ft],1,0,1.
Approximate Building	Total area of all buildings in the factory premises: 350621.12 sft. Building wise breakdown as follows: 1) MTL-



Area (SF):	1: 38698.12 sft, 2) MTL-2: 9700 sft, 3) HTL-1: 81900 sft, 4) HTL-2: 37500 sft, 5) HWL: 21914 sft, 6) DBTL-1: 96442 sft, 7) DBTL-2: 16000 sft, 8) DBTL-3: 13100 sft, 9) DBTL-4: 16742 sft, 10) Two steel structure (Under construction), 11) One five story building (Under construction), 12) Single story prefab boiler and compressor shed: 3965 sft, 13) Single story Generator and power control building: 4390 sft, 14) Single story Fire command CI shed: 400 sft, 15) Single story Security building: 120 sft, 16) Pump house building: 9750 sft.
Date of Building Construction:	Factory personnel informed the date of construction as follows: 1) MTL-1 Single story prefab production shed: Finished in 2004, 2) MTL-2 Three story RCC building: Finished in 2004, 3) HTL-1 Single story prefab production shed: Finished in 2006, 4) HTL-2 Four story steel structure building: Finished in 2006, 5) HWL Single story prefab production shed with mezzanine: Finished in 2006, 6) DBTL-1 Single story prefab production shed: Finished in 2007, 7) DBTL-2 Three story RCC building: Finished in 2007, 8) DBTL-3 Three story RCC building: Finished in 2007, 9) DBTL-4 Four story RCC building: Finished in 2007.
Date of Last Building Renovation/Addition:	No record for date of renovation or addition was found from factory personnel.
Ancillary Structures in Complex:	1) Single story prefab boiler and compressor shed, 2) Single story Generator and power control R.C.C Building, 3) Single story Fire command CI shed, 4) Single story Security building, 5) Pump house building.
Approximate Ancillary Structures Area (SF):	1) Single story prefab boiler and compressor shed: 3965sft, 2) Single story Generator and power control R.C.C Building: 4390sft, 3) Single story Fire command CI shed: 400 sft, 4) Single story Security building: 120sft, 5) Pump house building: 9750sft.
Number of Occupants:	Total number of occupants: 916. 1) MTL-1 and MTL-2: 270, 2) HTL-1 and HTL-2: 314, 3) HWL: 46, 4) DBTL-1, DBTL-2, DBTL-3, DBTL-4: 257, 5) Single story prefab boiler and compressor shed: 4, 6) Single story Generator and power control R.C.C Building: 2, 7) Single story Fire command CI shed: 1, 8) Single story Security building: 12, 9) Pump house building: 10.
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 prefab boiler and compressor shed: 30 cm or 1 ft [5.48 m or 18 ft], 1, 0, 1, 2) Single story Generator and power control R.C.C Building: 30 cm or 1 ft [5.48 m or 15 ft], 1, 0, 1, 3) Single story Fire command CI shed: 30 cm or 1 ft [5.48 m or 18 ft], 1, 0, 1, 4) Single story Security building: At grade [3.05 m or 10 ft], 1, 0, 1, 5) Pump house building: At grade [3.05 m or 10 ft], 1, 0, 1.
Occupancy Type:	1) MTL-1 Single story prefab production shed: G2 (Washing section), H2 (Fabric store), J1 (Chemical store), K1 (Maintenance room), store(H2), 2) MTL-2 Three story RCC building: [Ground floor: H2 (Finished fabric store), G2 (Finishing section), J1 (Dyes and chemical store), F1 (Office), 1st floor: J1 (Chemical store), H2 (Accessories store), F1 (Laboratory, IT room, Office), 2nd floor: H2 (Wastage fabric store)], 3) HTL-1 Single story prefab production shed: [Ground floor: H2 (Batch section, Finished fabric store), G2 (Finishing section), J2 (Dying, Dyes and chemical store), F1 (Office), and see the Description.
Construction Type:	1) MTL-1 Single story prefab production shed: Non-rated, 2) MTL-2 Three story RCC building: Type 1, 3) HTL-1 Single story prefab production shed: Non-rated, 4) HTL-2 Four story steel structure building: Non-rated, 5) HWL Single story prefab production shed with mezzanine: Non-rated, and see the description.
Height of Highest Occupied Floor Level Above Grade:	1) MTL-1 Single story prefab production shed: 30 cm or 1 ft above grade, 2) MTL-2 Three story RCC building: 7.32 m or 24 ft, 3) HTL-1 Single story prefab production shed: 30 cm or 1 ft above grade, 4) HTL-2 Four story steel structure building: 10.61 m or 34.8 ft, 5) HWL Single story prefab production shed with mezzanine: 30 cm or 1 ft above grade and see the description.



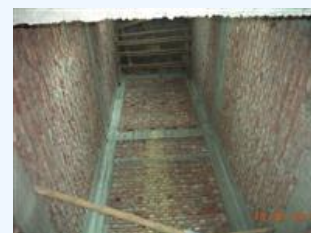
ASSESSMENT FINDINGS

Fire Protection Construction

Question:	Are openings and penetrations through rated walls and/or assemblies protected?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	The walls on the 1st floor level of the southwest stairway Hamza Textile Ltd. have glass windows. Similar openings are present on other fire rated walls.	
Source of Findings:	Photograph: The walls at 1st floor level of southwest stair has glass windows.	
Suggested Plan of Action:	Provide fire-resistive rated opening or penetration protection for rated walls and assemblies in accordance with Alliance Standard Sections 4.6 and 4.7. Consult a qualified fire protection engineer to design the required opening protectives.	
Suggested Deadline Date:	08 Sep 2014	
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations	
Question:	Is each floor separated with a fire-resistive rated construction barrier?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	In Mymun Textile Ltd., the floors are separated with RCC slabs (7" with finishing) with required rating. In DB Textile, three buildings have RCC slabs (7" with finishing) with required rating. In Hamza Textile Ltd., the floors of the 4 story RCC building are made of RCC slab (6" with finishing) with steel decking, and therefore a 3 hour fire separation is required.	
Source of Findings:	Visual Assessment: Floors of buildings were observed and slab thickness was measured.	
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between floors following Table 4.4.1 of Alliance Standard. Consult a qualified fire protection engineer to design the rated construction barriers.	
Suggested Deadline Date:	08 Sep 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	



Question:	Are exit enclosures provided with fire-resistive rated construction barriers?
Priority Level:	High
Non-Compliance Level:	3
Description:	There are two three story RCC buildings and one four story RCC building in DB Tex Ltd., and none the of stairway enclosures are fire rated. The walls of the exit enclosure are not 2 hour fire rated as required. The doors on these stairways need to be 1.5 hour rated. There is only one stairway in the four story RCC building and no fire door is fitted at the exit of any floor.
Source of Findings:	Photograph: Exit enclosures are not provided with fire-resistive rated construction barriers.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers for exit enclosures in accordance with Alliance Standard Sections 4.5. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	08 Sep 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation
Question:	Are shafts provided with the minimum fire-resistance rating?
Priority Level:	High
Non-Compliance Level:	3
Description:	There is an elevator shaft and no elevator is installed in building DB Tex Ltd. The elevator shaft is open to the floor near the fabric store and the opening of the elevator shaft is not fire protected as required.
Source of Findings:	Photograph: The elevator is open to floor near fabric store and the opening of elevator shaft is not fire protected.
Suggested Plan of Action:	Provide a shaft enclosure of required rating by constructing the enclosure with rated material of the required thickness. Protect the openings of shaft enclosure by providing rated opening protectives.
Suggested Deadline Date:	08 Sep 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5.7.1 through 4.5.7.3
Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	On the 1st floor of Hamza Textile, the fabric store is separated from the prayer room and medical room, but the separation is not sufficient. Chemicals stores are not separated with rated barriers. These different occupancies need to be





	fire separated according to Alliance Standard and BNBC Table 3.2.1 (pg-10352).
Source of Findings:	Photograph: Chemical storage is not separated with rated barriers.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between hazard types in accordance with Alliance Standard Sections 3.4 and 4.5. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	01 Dec 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation
Question:	Certificates of Occupancy for each building have been issued and are on file.
Priority Level:	Low
Non-Compliance Level:	1
Description:	No occupancy certificate is available for any building on the factory premises.
Source of Findings:	Document Review: There was no occupancy certificate for any of the buildings among the documents shown by the factory concerned people.
Suggested Plan of Action:	Apply to LGED, Gazipur or a proper authority for the issuance of an occupancy certificate and expedite the matter.
Suggested Deadline Date:	28 Jul 2014
Standard:	Are certificates of occupancy provided for each building or ancillary structure?

Fire Protection Systems

Question:	Does the building have a Standpipe System?
Priority Level:	High
Non-Compliance Level:	2
Description:	The height of the highest occupied floor of DBTL-4 is 9.76 m, or 32.0 feet, above grade, and the height of the highest occupied floor of HTL-2 is 10.61 m, or 34.8 feet, above grade. All the other buildings are below 10.0 m or 33.0 feet. Standpipe systems need to be installed throughout the HTL-2 and DBTL-4 buildings. A class III type standpipe system has been installed throughout the buildings but no approved design with hydraulic calculation was available.
Source of Findings:	Photograph: Standpipe has been installed throughout the main buildings.
Suggested Plan of Action:	Install a standpipe system for the DBTL-4 and HTL-2 buildings designed by a qualified fire protection engineer. The hydraulic calculations should be reviewed by the Alliance and the review is to be completed prior to start of work. Standalone standpipe sy
Suggested Deadline	08 Sep 2014





Date:		
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2	
Question:	Does the building have a fire pump?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	The pump available is dedicated for fire fighting for all the buildings in the factory premise and the hose pressure is more than 65 feet (more than 4.5 bars). There is a jockey pump and the pump is connected to an alternative power source, but the capacity of the water reservoir is not sufficient. A hydraulic calculation for the installed standpipe systems is also not available.	
Source of Findings:	Photograph: Available fire pump 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 the presence of the Alliance and a final inspection of the installation shall be conducted	
Suggested Deadline Date:	01 Dec 2014	
Standard:	Alliance Standard Part 5 Fire Protection Systems	
Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	A centralized automatic fire alarm and detection system with control panel are not available, although installation is ongoing. Only standalone detectors are available.	
Source of Findings:	Visual Assessment: No centralized alarm and detection system was found in the factory premise.	
Suggested Plan of Action:	Install a centralized automatic fire alarm and smoke/heat detection system with control panel following the requirement of NFPA 72 throughout all new and existing buildings and structures.	
Suggested Deadline Date:	14 Jul 2014	
Standard:	Alliance Standard Part 13 Section 13.10 Maintenance of Fire Protection Equipment	



Question:	Are notification and initiation devices for the fire alarm system installed at required locations based on occupancy type?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Installation of notification and initiation devices for the fire alarm system is ongoing.	
Source of Findings:	Photograph: Pull stations at egress point.	
Suggested Plan of Action:	Install initiating devices and notification appliances as required by the Alliance Standard and NFPA 72. This includes electrical supervision of all valves controlling fire protection systems (sprinklers, fire pumps, water supplies, etc.). Connect devices	
Suggested Deadline Date:	08 Sep 2014	
Standard:	Pull stations at egress points, smoke detectors in air handling equipment, visual and audible devices spaced appropriately based on occupancy type. Reference NFPA 72	
Question:	Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	The centralized fire alarm and detection system installation was on going and are not monitored by central station monitoring. Nobody is assigned to contact the fire department in the event of fire alarm activation as per Alliance Standard. Since there are no services available for monitoring the fire alarm and detection system, the factory should have an arrangement for monitoring the system with its own personnel. No such arrangement is evident.	
Source of Findings:	Visual Assessment: Fire alarm and detection system are not monitored centrally.	
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 such time that monitoring can be set up, arrange a monitoring system using factory's own central detection system and personnel	
Suggested Deadline Date:	14 Jul 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	



Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	A fire department outlet connection (pillar hydrant) is available with a hose connection box, but a fire department (siamese) inlet connection is not provided to allow fire department pumper equipment to supplement the fire protection systems.	
Source of Findings:	Photograph: Photograph shows that a fire department outlet connection (pillar hydrant) is available in the buildings.	
Suggested Plan of Action:	Install fire department connections where required and in compliance with the Standard. Connections shall match the Fire Service and Civil Defense hose thread standard.	
Suggested Deadline Date:	01 Dec 2014	
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections	
Question:	Are portable fire extinguishers installed throughout the building at required locations and mounted at the correct height?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Extinguishers are installed at required locations, but the mounting height is not correct on the production floor in DB Tex Ltd & Hamza Textile Ltd.	
Source of Findings:	Photograph: Fire extinguishers are not mounted at correct height., Visual Assessment, Photograph: Fire extinguishers are not mounted at correct height., Visual Assessment, Photograph: Fire extinguishers are not mounted at correct height., Visual Assess, Photograph: Fire extinguishers are not mounted at correct height., Visual Assessment, Photograph: Fire extinguishers are not mounted at correct height., Visual Assessment, Photograph: Fire extinguishers are not mounted at correct height., Visual Assess	
Suggested Plan of Action:	Fire extinguishers with a gross weight of less than 18.14 kg (40 lb) shall be installed so that the top of the fire extinguisher is not more than 1.53 m (5 feet) above the floor. Fire extinguishers with a gross weight greater than 18.14 kg (40 lb) (except	
Suggested Deadline Date:	08 Sep 2014	
Standard:	BNBC Part 4 Section 4.10 and NFPA 10	



Question:	Fire extinguishers are inspected, tested, and maintained as required.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Fire extinguishers are inspected, tested, and maintained every month, but are not in accordance with NFPA.
Source of Findings:	Document Review: Fire extinguishers are inspected, tested and maintained but are not in accordance with NFPA.
Suggested Plan of Action:	Fire extinguishers are to be inspected, tested, and maintained in accordance with NFPA.
Suggested Deadline Date:	01 Dec 2014
Standard:	NFPA 10 Chapter 7
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:	3
Description:	Inspection, maintenance, and testing procedures of the available standpipe and hose are not documented and up to date.
Source of Findings:	Document Review: No document regarding inspection, maintenance and testing procedure of installed standpipe and hose system was found among the documents shown by the factory personnel.
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the standpipe and hose systems that complies with NFPA 25.
Suggested Deadline Date:	01 Dec 2014
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2
Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?
Priority Level:	Low
Non-Compliance Level:	2
Description:	Inspection, maintenance, and testing procedures of the fire pump are 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:	Establish an inspection, maintenance, and testing program for the fire pump. Program must comply with NFPA 25.
Suggested Deadline Date:	01 Dec 2014
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps
Means of Egress	
Question:	Exit discharge is directly to the exterior of the building, unless the requirements of 6.17.2 are met, at grade or provides direct access to grade. Exit discharge shall not reenter a building.
Priority Level:	High
Non-Compliance Level:	3
Description:	The exit discharge on the ground floor is open to the production area at DB Tex Ltd (production floor).
Source of Findings:	Photograph: Exit discharge at ground floor is open to production area of DB Tex Ltd (production floor) .
Suggested Plan of Action:	Provide a rated exit enclosure and exit passageway (i.e., a protected path of egress) from the exit enclosure to the public way. The rating of the exit passageway is to be equal to fire rating requirement of the exit that is being served and shall not be
Suggested Deadline Date:	08 Sep 2014
Standard:	Alliance Standard Part 6 Section 6.17 Exit Discharge. See Section 16.7.2 and 16.7.3 for exceptions.
Question:	Doors are not locked in the direction of egress under any conditions. All hasps, locks, slide bolts, and other locking devices have been removed where required.
Priority Level:	High
Non-Compliance Level:	3
Description:	There are collapsible doors and steel leaf doors with locking arrangements at each egress location.
Source of Findings:	Photograph: Steel collapsible doors and steel leaf doors with locking arrangement at each egress locations., Visual Assessment, Photograph: Steel collapsible doors and steel leaf doors with locking arrangement at each egress locations., Visual Assessment, Photograph: Steel collapsible doors and steel leaf doors with locking arrangement at each egress locations., Visual Assessment, Photograph: Steel collapsible doors and steel leaf doors with locking arrangement at each egress locations., Visual Assessment
Suggested Plan of Action:	Remove all hasps, locks, slide bolts, or other locking devices at the noted locations. Doors may be locked where the latch and lock are disengaged with





	one motion where the occupant load does not exceed 49 persons. Turning a door handle and disengaging a	
Suggested Deadline Date:	30 Jun 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Doors along the path of egress have a minimum width of 0.8 m (32 in) and have required ratings.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Doors leading to a staircases have widths of more than 0.8 m, but are not fire doors as required. No test reports are available for the doors installed. The rating of the doors is not applicable for the structures which are non-rated.	
Source of Findings:	Photograph: Door widths are more than 0.8m.	
Suggested Plan of Action:	Provide 1 hour fire protective opening assemblies in 1 hour rated exit enclosures. Provide 1.5 hour fire protective opening assemblies in 2 hour rated exit enclosures. Exits connecting three stories shall be enclosed with a minimum 1 hour fire-resistance	
Suggested Deadline Date:	08 Sep 2014	
Standard:	Alliance Standard Part 6 Section 6.5.6 Minimum Widths. Increased occupant loads will require a door width greater than 0.8 m.	
Question:	All doors in a means of egress are of the side-hinged swinging type.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	There are collapsible doors, glass swinging doors (Mymun Textile Ltd.), collapsible doors (Hamza Textile Ltd.), steel swinging doors, and steel sliding doors (DB textile Ltd.) with locking arrangements at each egress location.	
Source of Findings:	Photograph: Exit door is not side-hinged swinging type.	
Suggested Plan of Action:	Replace all collapsible doors, sliding doors, roll-down gates, and shutters in the means of egress with side-hinged, swinging-type doors of proper width and rating.	
Suggested Deadline Date:	08 Sep 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:	3
Description:	The external stairway from the 2nd floor of DB Tex Ltd. does not have a fire separation from the building beyond 10 feet of its span as required.
Source of Findings:	Photograph: Exterior exit stairs are not separated from the building with the required rating.
Suggested Plan of Action:	Provide a fire-resistive rated assembly between the exterior exit stair and the building up to 10 feet beyond the end of the stairway to achieve the required separation. Enclose any openings (windows, etc.) with required fire rated construction within tha
Suggested Deadline Date:	08 Sep 2014
Standard:	Alliance Standard Part 6 Section 6.3.1.2. Three stories or less 1-hr rating. Four stories of more 2-hr rating
Question:	Interior exit stairways and ramps terminate at an exit discharge except where terminating at a rated exit passageway.
Priority Level:	High
Non-Compliance Level:	3
Description:	The exit discharge on the ground floor is open to the production area at DB Tex Ltd. (production floor).
Source of Findings:	Visual Assessment: Interior exit stairways not terminate at an exit discharge at DB Tex Ltd.
Suggested Plan of Action:	Provide a protected path of egress from the exit enclosure to the public way. The rating of the exit passageway is to be equal to fire rating requirement of the exit that is being served and shall not be less than 1 hour fire-resistance rated.
Suggested Deadline Date:	08 Sep 2014
Standard:	Alliance Standard Part 6 Section 6.14 Exit Enclosures
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:	2
Description:	On the 2nd floor of the main building (DB Tex Ltd), part of the exit access





	corridor is a glass partition with a swinging door which is not 1 hour fire rated as required.
Source of Findings:	Visual Assessment: At 2nd floor of main building (DB Tex Ltd), part of exit access corridor is a glass partition with swinging door which is not 1 hour fire rated.
Suggested Plan of Action:	Provide fire-resistive rated assemblies at the required exit access corridors. The rated assembly should be approved and/or designed by a qualified fire protection engineer. Exit access corridors serving an occupant load exceeding 30 are to be separated b
Suggested Deadline Date:	08 Sep 2014
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:	Handrails are provided on both sides of each stairway. Intermediate handrails are provided when the stair width exceeds 2.2 m (87 in.). Handrails are not mounted lower than 760 mm (30 in.) or higher than 1100 mm (44 in.).
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Stair-03 (Hamza Textile Ltd.), stair-04 (Mymur Textile Ltd.) and stair-03 (DB Textile Ltd.) have handrails on only one side.
Source of Findings:	Photograph: Handrails provided on only one side.
Suggested Plan of Action:	Provide handrails on both sides of each stairway. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.). Mount new handrail at a height consistent with existing height (between 30 in. and 44 in.).
Suggested Deadline Date:	01 Dec 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 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 a conspicuous space near the main exits or exit access doorways as required.
Source of Findings:	Visual Assessment: Occupant loads are not posted in any buildings near the main point of egress.
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:	14 Jul 2014	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
Question:	Emergency power for means of egress illumination is verified at least once per year. If battery operated lights are used, these lights are tested on a monthly basis. Functional testing of battery powered lights is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	A 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 operation of egress illumination lights 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 power	
Suggested Deadline Date:	14 Jul 2014	
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting	
Question:	Illuminated exit signs are placed at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Illuminated exit signs are placed at entrances to exits along the path of egress, but additional exit signs or directional signs are not provided where there is a change in direction and where the continuation of egress is not obvious.	
Source of Findings:	Photograph: Illuminated exit signs are placed at entrances to exits along the path of egress.	
Suggested Plan of Action:	Install illuminated exit signs at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.	
Suggested Deadline Date:	01 Dec 2014	
Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs	





Question:	Illuminated exit signs are provided with battery backup or emergency power and are continuously illuminated.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Backup power available does not provide the sufficient illumination (50 lux at surface of exit sign).	
Source of Findings:	Visual Assessment: Exit signs are provided with battery backup.	
Suggested Plan of Action:	Provide an emergency power source, either by battery backup or by connecting to the emergency power system, for compliantly illuminating exit signs.	
Suggested Deadline Date:	01 Dec 2014	
Standard:	Alliance Standards Part 6 Section 6.11 Exit Signs and Part 10 Section 10.12 Illumination of Exit Signs and Means of Escape	
Question:	Emergency power for exit signs is tested at least once per year. If battery operated, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No record of testing emergency power for exit signs was found as required.	
Source of Findings:	Document Review: No document regarding testing of emergency power for exit signs was found among the documents shown by the factory personnel.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for exit signs is tested at least once per year. If battery operated signs are used, these signs are to be tested on a monthly basis. Functional testing of battery powered signs is	
Suggested Deadline Date:	14 Jul 2014	
Standard:	Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.	
Question:	Exit signs have appropriate illumination levels and contrasting graphics.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Some exit signs do not have appropriate illumination levels and contrasting graphics as required.	
Source of Findings:	Photograph: Exit signs are without appropriate illumination levels and	



	contrasting graphics.	
Suggested Plan of Action:	Make sure all required exit signs are illuminated continuously at all times. Exit signs may be illuminated either by lamps external to the sign or by lamps contained within the sign. The source of illumination shall provide not less than 50 lux at the ill	
Suggested Deadline Date:	01 Dec 2014	
Standard:	Alliance Standard Part 10 Section 10.12.1 Exit Signs	
Fire Safety Programs		
Question:	An emergency evacuation plan has been developed and communicated to all employees.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Workers are aware of the evacuation procedure upon the sounding of the alarm. However, no document defining the evacuation process was available.	
Source of Findings:	Worker Interviews: An emergency evacuation plan has not been developed and communicated to all employees.	
Suggested Plan of Action:	Develop an emergency evacuation plan which includes all components required by the Alliance Standards and communicate the plan to all employees. The evacuation plan shall include provisions to assist physically disabled persons. A list of all employees wi	
Suggested Deadline Date:	14 Jul 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:	2	
Description:	Fire drills are conducted quarterly in all buildings, but not under the direction of a Fire Safety Director. This does not meet the requirements of Alliance Standards.	
Source of Findings:	Uploaded Document: Fire drill report shows that drills are conducted, but not to Standard.	
Suggested Plan of Action:	Fire drills are to be conducted on a quarterly basis as outlined in BNBC Part 4 Appendix A for all garment facilities. Fire drills shall be conducted under the direction of a Fire Safety Director. All other requirements for fire drills shall be conducted	
Suggested Deadline	14 Jul 2014	

Factory Name: **DB Tex Ltd.**

Address: **Nayapara, Kashimpur Gazipur Gazipur Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **10 May 2014**



ALLIANCE
FOR BANGLADESH WORKER SAFETY

Date:		
Standard:	Alliance Standards Part 13 Section 13.3 Fire Drills	
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 in accordance with the Alliance Safety Training Curriculum was found.	
Source of Findings:	Document Review: Alliance safety training curriculum was not found among the documents shown by factory personnel.	
Suggested Plan of Action:	Impart training in accordance with Alliance Safety Training Curriculum and keep records with proper documentation.	
Suggested Deadline Date:	14 Jul 2014	
Standard:	Alliance Standards Part 13	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Fire department pre-planning was not completed.	
Source of Findings:	Document Review: No document regarding fire department pre-planning has been found among the documents shown by factory personnel.	
Suggested Plan of Action:	Complete and document fire department pre-planning activities with the local Fire Service and Civil Defense.	
Suggested Deadline Date:	14 Jul 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	A hot-work permit program is not established. However, hot-work is not taking place in the factory right now.	
Source of Findings:	Document Review: No hot-work permit could be presented by the factory personnel.	

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Suggested Plan of Action:	Develop a hot-work permit program that complies with NFPA 51B. In general, this program should address the process of request and approval of authorities, necessary checks prior to approval, standby fire watch and fire fighting equipment, sounding of alar
Suggested Deadline Date:	01 Dec 2014
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B