INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name:	**Tusuka Fashions Limited**
Address:	**Plot #10, Block # B, Mill Gate Tongi Industrial Area, Gazipur Tongi, Gazipur Dhaka Bangladesh**
Assessor:	**Uttaron Technologies**
Date:	**30 Jan 2014**

Introduction to the Report

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

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

For more information and report feedback please go to: www.bangladeshworkersafety.org.

GENERAL INFORMATION

General Information	
Factory Name:	Tusuka Fashions Limited
Address:	Plot #10, Block # B, Mill Gate Tongi Industrial Area, Gazipur Tongi, Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Tongi, Gazipur
Zip Code:	1700
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	30 Jan 2014
Final Report Date:	Update once final report is complete (after all comments incorporated).
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are two building in complex.
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	Main building:1 storied steel shed.
Approximate Building Area (SF):	Total area of the main building is 32,000 SF.
Date of Building Construction:	2000
Date of Last Building Renovation/Addition:	No
Ancillary Structures in Complex:	There is one ancillary structure in Complex.
Approximate Ancillary Structures Area (SF):	Total area of the ancillary structure is 14,500 SF.(GF: 4,838 SF, 1st: 4,838 SF, 2nd: 2,412 SF, 3rd: 2,412 SF).
Number of Occupants:	Total occupancy is 850. Main building: 835, Ancillary: 15(GF: 8, 1st: 4, 2nd: 2, 3rd: 1)

Number of Ancillary Levels (Stories):	Ancillary building: 1 storied(partially 4 storied)
Occupancy Type:	G2
Construction Type:	Type-1
Height of Highest Occupied Floor Level Above Grade:	44 FT

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:	Found penetrations on the barrier walls at shed building used for steam lines and other utilities like compressed air pipes which are properly sealed as per local standard.
Source of Findings:	Photograph: Found penetrations on the barrier walls at each floor used for steam lines and other utilities like compressed air pipes at all floors of building -1 and all shed, which are not properly sealed.
Suggested Plan of Action:	Install fire-resistive sealant products to provide the required degree of protection for rated walls and assemblies in accordance with the standard.
Suggested Deadline Date:	16 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:	Are exit enclosures provided with fire-resistive rated construction barriers?
Priority Level:	High
Non-Compliance Level:	3
Description:	Fire doors are not found.
Source of Findings:	Photograph: Fire doors are not found.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers and associated opening protection for exit enclosures in accordance with Alliance Standard Section 6.3.1.2. . Consult a qualified fire protection engineer to design the required rated construction barriers
Suggested Deadline Date:	16 Oct 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation

Fire Protection Systems

Question:	Does the building have a Standpipe System?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Not found standard standpipe system. Found 01 Nos. 2.0 inch dia. GI (Galvanized Iron) pipe at 2 storied (partial 4-storied building) and 01 No. 2.0 inch dia. GI pipe at the shed.	
Source of Findings:	Photograph: Found 01 Nos. 2.0 inch dia. GI (Galvanized Iron) pipe at 2 storied (partial 4-storied building) and 01 No. 2.0 inch dia. GI pipe at the shed., Visual Assessment: As seen on site	
Suggested Plan of Action:	Consult an experienced fire protection specialist to aid in the site specific design requirements for the installation of a standpipe system to meet NFPA 14. Ensure this plan is approved by an engineer; install, test and commission all necessary components of the system and keep records.	
Suggested Deadline Date:	16 Oct 2014	
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2	
Question:	Does the building have a fire pump?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	01 water lifting ordinary pump found.	
Source of Findings:	Photograph: 01 water lifting ordinary pump found. , Visual Assessment: As seen on site	
Suggested Plan of Action:	Install a dedicated fire pump for the facility in accordance with NFPA 20. Also, to supply the demands of the connected fire protection systems along with a stored source of water sufficient to meet the demands in accordance with NFPA 22. Fire pump installation is to be tested for final acceptance in presence of Alliance and a final inspection of the installation shall be conducted by the Alliance prior to final acceptance of the installation by the Alliance as per clause 5.5.5. Acceptance testing of the installation shall be in accordance with NFPA 20, 22, and 25 testing requirements. Documentation of all testing shall be submitted to the Alliance for review prior to final acceptance by the Alliance.	
Suggested Deadline Date:	16 Oct 2014	
Standard:	Alliance Standard Part 5 Fire Protection Systems	
Question:	Are notification and initiation devices for the fire alarm system installed at required locations based on occupancy type?	
Priority Level:	High	

Non-Compliance Level:	3	
Description:	Found Manual type Fire Alarm system (11 nos. sound device) with emergency power supply installed based on occupancy type.	
Source of Findings:	Visual Assessment: Fire alarm control panel not found.	
Suggested Plan of Action:	Install initiating devices and notification appliances as required by the Alliance Standard and NFPA 72. Devices should be part of an automatic fire alarm and detection system for the facility. All fire alarm installations shall be submitted for review by the Alliance prior to commencement of installation	
Suggested Deadline Date:	30 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:	Are fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Siamese connection is not found.	
Source of Findings:	Visual Assessment: Siamese connection is not found.	
Suggested Plan of Action:	Provide Fire Department (Siamese) connections in accordance with Alliance Standard Section 5.5.4. Connections shall match the Fire Service and Civil Defence hose thread standard.	
Suggested Deadline Date:	16 Jan 2015	
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections	
Question:	Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Found Manual type Fire Alarm system with emergency power supply. The installed fire alarm and detection system at the factory does not monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense.	
Source of Findings:	Photograph: The installed fire alarm and detection system at the factory does not monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense.	
Suggested Plan of	Install new automatic fire detection alarm system throughout the factory in	

Action:	accordance with NFPA 72. Until that time a central station monitoring service or direct connection to the Fire Service and Civil Defence can be set up; a person needs to be assigned to contact the fire department in the event of fire alarm activation. An annunciator needs to be located in a constantly attended location to alert this person.
Suggested Deadline Date:	16 Aug 2014
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring
Question:	Are inspection, maintenance, and testing procedures of the standpipe and hose system documented and up to date? Including inspection and testing of hoses if provided.
Priority Level:	Low
Non-Compliance Level:	2
Description:	Document not found during visit for standpipe system ITM.
Source of Findings:	Visual Assessment: Document not found during visit for standpipe system ITM.
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the standpipe and hose system. Program must comply with the requirements of NFPA 25.
Suggested Deadline Date:	16 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:	2
Description:	No signage is found during visit for standpipe system.
Source of Findings:	Visual Assessment: No signage is found during visit for standpipe system.
Suggested Plan of Action:	Install signage at required locations and on required equipment. Signage must comply with NFPA 14.
Suggested Deadline Date:	30 Aug 2014
Standard:	Reference NFPA 14 Chapter 6
Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?
Priority Level:	Low
Non-Compliance Level:	2

Description:	Document not found during visit for fire pump ITM.	
Source of Findings:	Visual Assessment: Document not found during visit for fire pump ITM.	
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for the fire pump. Program must comply with NFPA 25.	
Suggested Deadline Date:	16 Jan 2015	
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps	
Means of Egress		
Question:	All doors in a means of egress are of the side-hinged swinging type.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Sliding type made of MS sheet gates are installed in the means of egress.	
Source of Findings:	Photograph: Sliding type made of MS sheet gates are installed in the means of egress.	
Suggested Plan of Action:	Replace non-compliant doors and frames in the means of egress with side-swinging doors. Replacement doors shall be a minimum width of 0.8 m (32 in), and are listed, approved, self-closing, fire rated doors assemblies (door and frame) with latching panic hardware.	
Suggested Deadline Date:	16 Oct 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	Stairs have a minimum width of 0.9 m (35 in.).	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	01 (one) no. of enclosed stair of width 68 inch and 01(one)no. external stair of width 32 inch are found in the means of egress at 2 storied (partial 4-storied) building.	
Source of Findings:	Photograph: 01 (one) no. of enclosed stair of width 68 inch and 01(one)no.	
Suggested Plan of Action:	In existing construction, stairs shall have a minimum width of 0.9 m (35 in.).	
Suggested Deadline Date:	16 Jan 2015	
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width. Applies to existing construction.	

Question:	Handrails are provided on both sides of each stairway. Intermediate handrails are provided when the stair width exceeds 2.2 m (87 in.). Handrails are not mounted lower than 760 mm (30 in.) or higher than 1100 mm (44 in.).	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Handrails are not provided in the enclosed stair but the emergency exterior exit stair has rail on both sides of the stairway. The largest stair width is found to be 68 inch.	
Source of Findings:	Photograph: Handrails are not provided in the enclosed stair but the emergency exterior exit stair has rail on both sides of the stairway. The largest stair width is found to be 68 inch.	
Suggested Plan of Action:	Install an additional handrail to each stairway where only one is currently installed as per the height and distance requirements set out in the standard.	
Suggested Deadline Date:	16 Jan 2015	
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:	1	
Description:	Occupant loads were not posted for any assembly or the production floor in a conspicuous space, near the main point of egress.	
Source of Findings:	Visual Assessment: Occupant loads are not posted.	
Suggested Plan of Action:	Occupant load signage should be posted for every assembly and production floor, at a conspicuous space near the main exit or exit access doorway for the space.	
Suggested Deadline Date:	16 Aug 2014	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
Question:	Stair designation signs are provided at each floor entrance from the stair to the floor in English and Bengali. Signs indicate the name of the stair and the floor level. Signs are posted adjacent to the door.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Stair designation signs are not posted at any of the stairs.	
Source of Findings:	Visual Assessment: Stair designation signs are not found.	

Suggested Plan of Action:	Post stair designation signs at each floor entrance at all stairs in English and Bengali. Signs shall indicate the name of the stairway, the floor level, where the exit discharges to and what floor it originates on. Signs shall be posted adjacent to the door in each floor landing.
Suggested Deadline Date:	16 Aug 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs

Fire Safety Programs

Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	The factory has not received the Alliance Safety Training Curriculum at the time of the assessment and has not conducted safety training curriculum per Alliance Standards Part 13.
Source of Findings:	Visual Assessment: Document not found
Suggested Plan of Action:	Training programs need to be implemented and documented in accordance with the Alliance Safety Training Curriculum.
Suggested Deadline Date:	16 Aug 2014
Standard:	Alliance Standards Part 13
Question:	A Fire Safety Director position has been filled.
Priority Level:	Low
Non-Compliance Level:	3
Description:	A separate Fire Safety Director's position was not created or filled at the time of the audit.
Source of Findings:	Visual Assessment: No fire safety director
Suggested Plan of Action:	Create a Fire Safety Director position and fill the position with an individual that has had sufficient training to be able to carry the required duties.
Suggested Deadline Date:	16 Jan 2015
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director
Question:	Fire Department pre-planning has been completed.
Priority Level:	Low

Non-Compliance Level:	3
Description:	Fire Department pre-planning has not been completed
Source of Findings:	Visual Assessment: As seen on site
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defence.
Suggested Deadline Date:	16 Aug 2014
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director
Question:	A written housekeeping policy is established and enforced.
Priority Level:	Low
Non-Compliance Level:	3
Description:	A written housekeeping policy was not established or enforced.
Source of Findings:	Visual Assessment: Housekeeping record not found
Suggested Plan of Action:	Produce, establish and enforce a written policy and procedure for housekeeping to ensure scheduled cleaning of all floors, walls, ceilings, air ventilation systems and other building components. Ensure the timely removal of defective, waste and rubbish materials is included. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).
Suggested Deadline Date:	15 Jan 2015
Standard:	Alliance Standards Part 13 Section 13.6 Housekeeping
Question:	Smoking is only allowed at designated areas.
Priority Level:	Low
Non-Compliance Level:	3
Description:	Smoking is prohibited according to their own notice but document is not found. 'No Smoking' sign that has been posted in the factory area not found.
Source of Findings:	Visual Assessment: As seen on site
Suggested Plan of Action:	Smoking shall be prohibited in any garment factory building, separate storage building, or any building or area where the Inspector of the Factories Rules (1.6.3.7) Part 53 requires that smoking be prohibited. If an Owner creates a designated smoking area outside the buildings, information on the location of these designated areas shall be posted on the signs required in 13.5.2."
Suggested Deadline Date:	30 Jul 2014

Standard:	Alliance Standards Part 13 Section 13.5 Smoking	