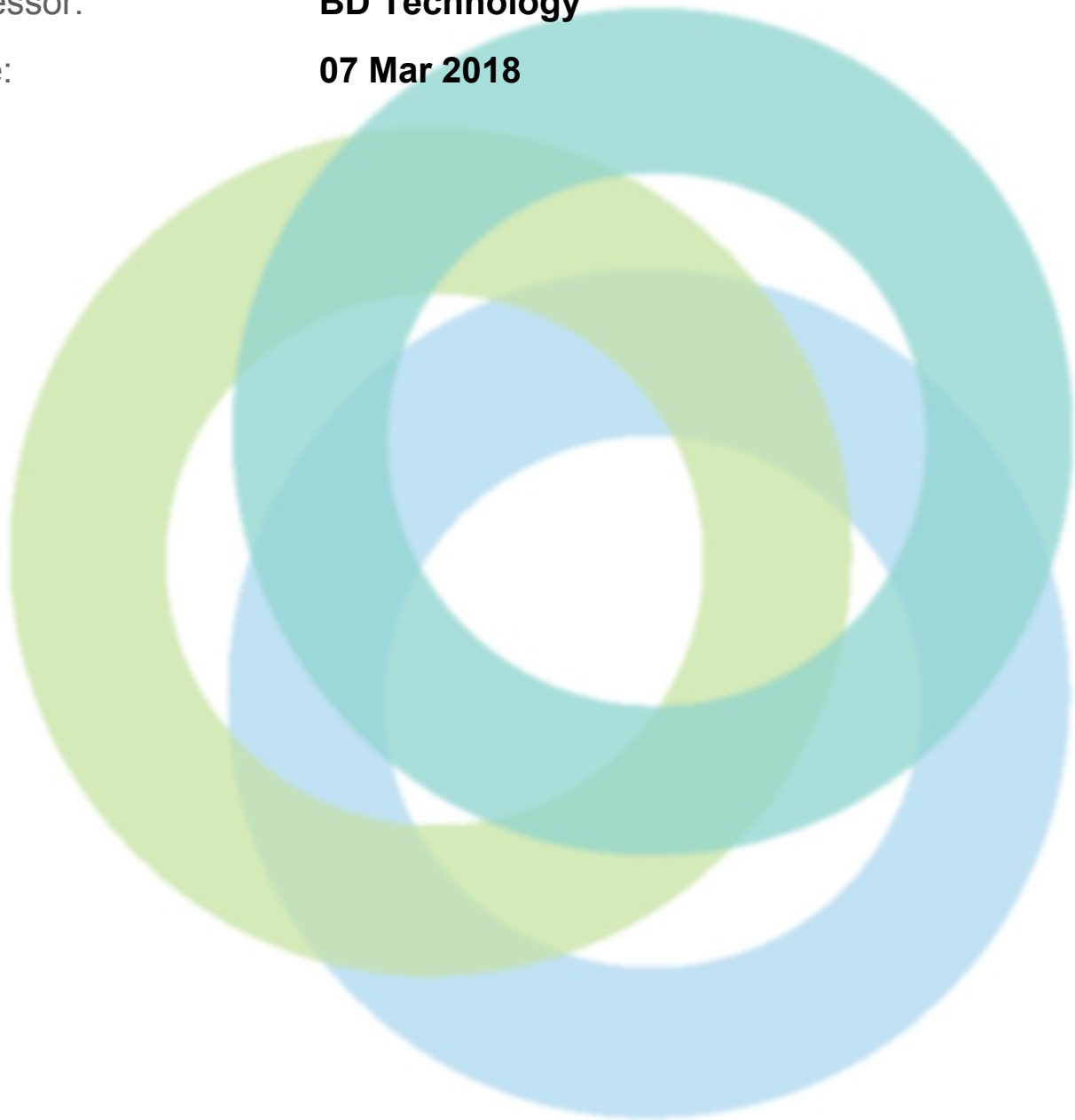




INITIAL FIRE SAFETY ASSESSMENT

Factory Name: **Modern Needle Craft Ltd.**
Address: **B-52, BSCIC Industrial Area, Tongi Gazipur
Bangladesh**
Assessor: **BD Technology**
Date: **07 Mar 2018**





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.



Factory Name: **Modern Needle Craft Ltd.**

Address: **B-52, BSCIC Industrial Area, Tongi Gazipur Bangladesh**

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GENERAL INFORMATION

General Information	
Factory Name:	Modern Needle Craft Ltd.
Address:	B-52, BSCIC Industrial Area, Tongi Gazipur Bangladesh
Country:	Bangladesh
Province:	
City:	
Zip Code:	
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	24/03/2018
Final Report Date:	17/05/2018
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 3 buildings in the factory premises. Among them one main production building and two ancillary buildings. Ancillary buildings are 2 story admin building and generator room.
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	Main Production building: Single story. Admin Building: 2 story Generator Room: Single story.
Approximate Building Area (SF):	Main Production Building: 6990 sft; Admin building: 2267 sft; Generator Room: 161 sft; Total: 9418 sft;
Date of Building Construction:	Main Production building: 2010-2011 Admin Building: 2014-2015 Generator Room: 2014
Date of Last Building Renovation/Addition:	N/A
Ancillary Structures in Complex:	Ancillary buildings are 2 story admin building and generator room.
Approximate Ancillary Structures Area (SF):	Admin building: 2267 sft; Generator Room: 161 sft;

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Number of Occupants:	Production Building: 150 persons; Admin Building: 20 Persons(Gr:5; 1st: 15) Generator Room: 1 persons
Number of Ancillary Levels (Stories):	Admin Building: 2 storied; Generator: Single storied.
Occupancy Type:	Main production building: G2. Admin Building: F Generator room: K
Construction Type:	Main production building: Type-3 (prefabricated shed). Admin Building: Type-3(prefabricated shed) Generator room: Type-3 (Brick wall with roofshed)
Height of Highest Occupied Floor Level Above Grade:	Production building and Generator room single storied. Admin building: Occupied 5 m; total 8.34 m



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:	Window opening found near stair discharge from admin building.
Source of Findings:	Photograph: Window opening
Suggested Plan of Action:	All windows opening should be sealed with fire rated construction which are within 10 ft distance from stair.
Suggested Deadline Date:	31 May 2018
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations
Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Factory installed their substation under the stair of admin building. Substation has no fire rated separation from stair.
Source of Findings:	Photograph: Substation was not separated.
Suggested Plan of Action:	Substation should be separated from stair with fire rated construction as per Alliance standard.
Suggested Deadline Date:	31 May 2018
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:	2
Description:	Occupancy Certificates for the buildings were not provided.
Source of Findings:	Document Review: According to the document review of the factory.





Suggested Plan of Action:	Apply to appropriate authority in an expeditious manner for issuance of the Certificates of Occupancy for each building and ancillary structure according to building use.
Suggested Deadline Date:	31 May 2018
Standard:	Are certificates of occupancy provided for each building or ancillary structure?

Fire Protection Systems

Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.
Priority Level:	High
Non-Compliance Level:	3
Description:	Factory has no approved design drawing of fire alarm and detection system.
Source of Findings:	Visual Assessment: According to the visual assessment of the factory.
Suggested Plan of Action:	Trouble or notification alarms have investigated by a qualified fire alarm system contractor and repair system as required.
Suggested Deadline Date:	31 May 2018
Standard:	Alliance Standard Part 13 Section 13.10 Maintenance of Fire Protection Equipment
Question:	Are notification and initiation devices for the fire alarm system installed at required locations based on occupancy type?
Priority Level:	High
Non-Compliance Level:	3
Description:	Factory has no approved design drawing of fire alarm and detection system.
Source of Findings:	Visual Assessment: According to the visual assessment of the factory.
Suggested Plan of Action:	Provide pull stations at each egress points, smoke detectors in air handling equipment, visual and audible devices spaced appropriately based on occupancy type. Reference NFPA 72
Suggested Deadline Date:	31 May 2018
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:	2
Description:	Factory has installed fire alarm and detection system but design drawing was not approved from Alliance.
Source of Findings:	Visual Assessment: According to the visual assessment of the factory.
Suggested Plan of Action:	Install a new fire alarm and detection system. Once installed, arrange for direct connection of the system to a central station monitoring service or the Fire Service and Civil Defense as per Alliance standard part 5 Section 5.7.5 Monitoring. Until that time that a central station monitoring service or direct connection to the Fire service and Civil Defense can be set up, a person trained to contact the Fire Service and Civil Defense in the event of fire alarm activation shall be provided. An annunciator shall be located in a constantly attended location (such as a fire control room) to alert this person.
Suggested Deadline Date:	31 May 2018
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring

Means of Egress

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:	Exterior exit stair was not separated from substation and also a window opening found near exterior stair.
Source of Findings:	Photograph: Exterior stair not separated.
Suggested Plan of Action:	Provide a fire-resistive rated assembly between the exterior exit stairs and the building to achieve the required separation. The rated assembly should be approved and/or designed by a qualified fire protection engineer.
Suggested Deadline Date:	31 May 2018
Standard:	Alliance Standard Part 6 Section 6.3.1.2. Three stories or less 1-hr rating. Four stories of more 2-hr rating



Fire Safety Programs

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:	No documents regarding training from Fire Service Civil Defence and other appropriate authority. training certificate was not found during the assessment.
Source of Findings:	Document Review: According to the document review of the factory.
Suggested Plan of Action:	Provide training and certification for the required number of people (18% of total workers) in firefighting, first aid, and rescue training by an appropriate authority in accordance with the Alliance Safety Training Curriculum.
Suggested Deadline Date:	14 Nov 2018
Standard:	Alliance Standard Part 13 Human Element Programs
Question:	Emergency egress maps are posted at the entrance to each exit stair or main point of egress.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Emergency egress map was not updated as per existing floor condition.
Source of Findings:	Visual Assessment: According to the visual assessment of the factory.
Suggested Plan of Action:	Post emergency egress maps at the entrance to each exit stair or main point of egress as per Alliance Standards Part 13 Section 13.4 Evacuation Plan.
Suggested Deadline Date:	31 May 2018
Standard:	Alliance Standards Part 13 Section 13.4 Evacuation Plan
Question:	An emergency evacuation plan has been developed and communicated to all employees.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	The emergency evacuation plan was not found during the assessment.
Source of Findings:	Document Review: According to the document review of the factory.
Suggested Plan of Action:	Develop an emergency evacuation plan which includes all components required by the Alliance Standards and communicates the plan to all employees as per Alliance Standards Part 13 Section 13.1.
Suggested Deadline Date:	14 Jun 2018
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.



Priority Level:	Medium
Non-Compliance Level:	2
Description:	Training programs document as per Alliance Safety Training Curriculum was not found during assessment.
Source of Findings:	Document Review: According to the document review of the factory.
Suggested Plan of Action:	Provide training and certification for the required number of people (18% of total workers) in fire fighting, first aid, and rescue training by an appropriate authority in accordance with the Alliance Safety Training Curriculum.
Suggested Deadline Date:	31 May 2018
Standard:	Alliance Standards Part 13
Question:	Fire Department pre-planning has been completed.
Priority Level:	Low
Non-Compliance Level:	3
Description:	Fire department pre-planning was not found during assessment.
Source of Findings:	Visual Assessment: According to the visual assessment of the factory.
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defense.
Suggested Deadline Date:	31 May 2018
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director
Question:	Are all applicable permits up to date including Fire License & Boiler License.
Priority Level:	Low
Non-Compliance Level:	2
Description:	Fire License was not up to date during assessment.
Source of Findings:	Document Review: According to the document review of the factory.
Suggested Plan of Action:	Fire License should be up to date and all floor information should be included in fire license.
Suggested Deadline Date:	31 May 2018
Standard:	Alliance Standard Part 13 Human Element Programs

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