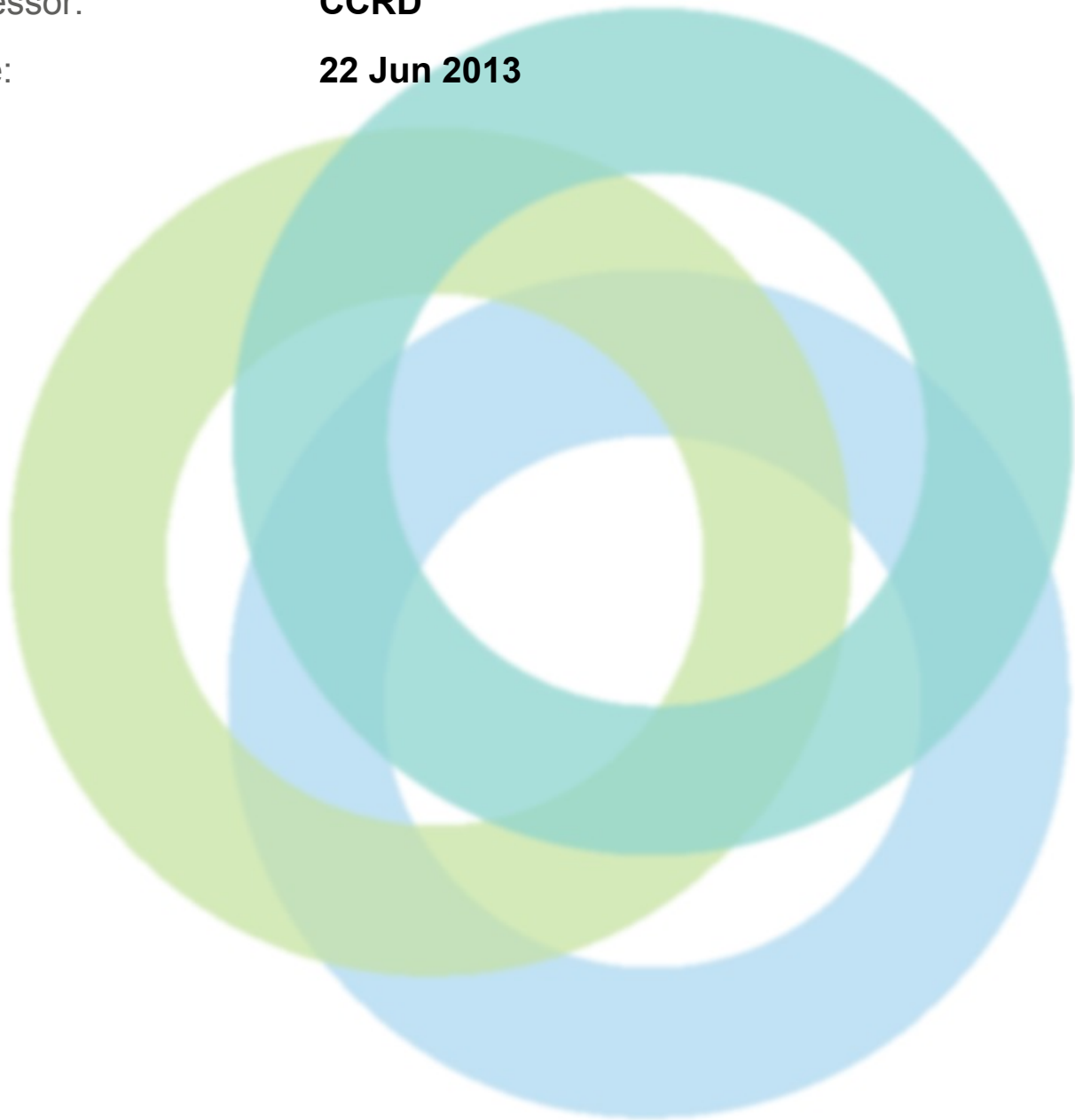


INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Trouser Line Ltd**
Address: **Toyebpur, Yarpur, Ashulia, Savar Ashulia, Savar
Dhaka Bangladesh**
Assessor: **CCRD**
Date: **22 Jun 2013**





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: **Trouser Line Ltd**

Address: **Toyebpur, Yarpur, Ashulia, Savar Ashulia, Savar Dhaka Bangladesh**

Assessor: **CCRD**

Date: **22 Jun 2013**



ALLIANCE
FOR BANGLADESH WORKER SAFETY

GENERAL INFORMATION

General Information

Factory Name:	Trouser Line Ltd
Address:	Toyebpur, Yarpur, Ashulia, Savar Ashulia, Savar Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Ashulia, Savar
Zip Code:	
Audit Duration:	
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	June 30, 2014
Final Report Date:	June 30, 2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	One
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	4 stories
Approximate Building Area (SF):	75,000 sq. ft.
Date of Building Construction:	2009
Date of Last Building Renovation/Addition:	N/A
Ancillary Structures in Complex:	None
Approximate Ancillary Structures Area (SF):	N/A
Number of Occupants:	1,500

Factory Name: **Trouser Line Ltd**

Address: **Toyebpur, Yarpur, Ashulia, Savar Ashulia, Savar Dhaka Bangladesh**

Assessor: **CCRD**

Date: **22 Jun 2013**






ALLIANCE
FOR BANGLADESH WORKER SAFETY

Number of Ancillary Levels (Stories):	N/A
Occupancy Type:	G2, Sewing and Storage
Construction Type:	Unprotected steel frame construction
Height of Highest Occupied Floor Level Above Grade:	Approx. 40 ft.



ASSESSMENT FINDINGS

Fire Protection Construction

Question:	Is each floor separated with a fire-resistive rated construction barrier?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	The building is a 4-story, approximately 24,000 sq. ft. footprint building with non-rated steel frame construction. Floors are non-rated.	
Source of Findings:	Photograph: Unprotected steel construction	
Suggested Plan of Action:	Either provide automatic sprinkler protection throughout in accordance with Alliance Standard Sections 3.5.3.1 and 5.3 or protect the structural steel with fire-resistive rated materials.	
Suggested Deadline Date:	31 Dec 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 three stairs for this factory. One is an internal stair and the other are external stairs. No separation is provided to the stairs from the production floors.	
Source of Findings:	Photograph: Entrance to stair	
Suggested Plan of Action:	Provide fire-resistive rated construction barriers 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 barrier.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	
Question:	Are separations between hazards provided with fire-resistive rated construction barriers.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Storage areas on Ground Floor are not separated from the rest of the	





	production areas and egress paths.
Source of Findings:	Photograph: Non separated storage area adjacent to production
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between hazard types in accordance with Alliance Standard Sections 3.4.2 and 4.5. Consult a qualified fire protection engineer to design the required rated construction barrier.
Suggested Deadline Date:	30 Sep 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation

Fire Protection Systems

Question:	Is the building protected by an automatic sprinkler system?
Priority Level:	High
Non-Compliance Level:	3
Description:	No automatic sprinkler protection provided. Footprint of lower floors exceeds 22,000 sq. ft. and is greater than 2 stories.
Source of Findings:	Visual Assessment: No sprinkler protection.
Suggested Plan of Action:	Provide automatic sprinkler protection throughout the facility. The installation of sprinkler protection should be conducted in phases. The first phase would be to protect all storage areas. Prior to installation, the system should be properly designed by a qualified fire protection engineer and plans should be submitted to the Alliance for review.
Suggested Deadline Date:	31 Dec 2014
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:	Does the building have a fire pump?
Priority Level:	High
Non-Compliance Level:	3
Description:	No fire pump to supply hoses and sprinklers.
Source of Findings:	Visual Assessment: No pump installed.
Suggested Plan of Action:	Install a dedicated fire pump for the facility in accordance with NFPA 20. Also, install a water storage tank in accordance with NFPA 22.
Suggested Deadline Date:	31 Dec 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:	A manual fire alarm system is installed with fire alarm call points at each stair.	
Source of Findings:	Photograph: Manual fire alarm call points	
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.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Pull stations at egress points, smoke detectors in air handling equipment, visual and audible devices spaced appropriately based on occupancy type. Reference NFPA 72	
Question:	Does the building have a Standpipe System?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Small hose stations are provided throughout (3 hoses per floor).	
Source of Findings:	Photograph: Small hose station	
Suggested Plan of Action:	Install standpipe system at required locations. Standpipe system must comply with NFPA 14.	
Suggested Deadline Date:	31 Dec 2014	
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2	
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:	No automatic fire alarm system is installed. Only manual alarm system.	
Source of Findings:	Visual Assessment: No automatic fire alarm.	
Suggested Plan of Action:	Install a new automatic fire alarm and detection system. Once installed, arrange for direct connection of the fire alarm and detection system to a central station monitoring service or the Fire Service and Civil Defence 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 Defence can be set up, a person trained to contact the Fire Service and Civil Defence 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 Oct 2014
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring

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:	3
Description:	There are three exit stairs. The stair widths are inconsistent from the top to the bottom. The total capacity of the stairs is exceeded on the 1st and 2nd floors.
Source of Findings:	Visual Assessment: Measured stairs.
Suggested Plan of Action:	Provide automatic sprinkler protection throughout the building to increase the allowable occupant loads on each floor. In the interim limit the occupant load on the 1st Floor to 542 and the 2nd Floor to 533.
Suggested Deadline Date:	31 Dec 2014
Standard:	Alliance Standard Part 6 Section 6.4 Occupant Load
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 south exit from the 3rd Floor dining area is exterior of the building; however, this stair reenters the building at the 2nd floor and leads to the South Stair (interior).
Source of Findings:	Photograph: South exit from the 3rd Floor dining
Suggested Plan of Action:	Reconfigure 2nd exit so that once an occupant leaves the building, they do not have to reenter to continue egress unless entering directly into a rated stair enclosure.
Suggested Deadline Date:	31 Dec 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:	All doors on means of egress provided with locks are locked open during working hours.	
Source of Findings:	Photograph: Main stair discharge	
Suggested Plan of Action:	Remove all locking devices from all egress doors and means of egress components.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	All doors in a means of egress are of the side-hinged swinging type.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Most exit access doorways are either provided with rolling shutters or sliding gates.	
Source of Findings:	Photograph: Sliding gate	
Suggested Plan of Action:	Replace all non-compliant doors in the means of egress with side-hinged swinging type doors.	
Suggested Deadline Date:	30 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 upper portion (3rd Floor to 2nd Floor) of the South Stair and the East Stair are exposed to the building along their runs. The East Stair has an extension that does not appear to be structurally sound.	
Source of Findings:	Photograph: Exterior stairs adjacent to unrated exterior wall	



Suggested Plan of Action:	Provide a 2-hr. rated exterior wall along the exterior stairs and protect all openings with 90 min. doors. Have a structural engineer evaluate the stair and possibly rebuild this stair structure more remote from the building to provide adequate separation.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standard Part 6 Section 6.3.1.2. Three stories or less 1-hr rating. Four stories of more 2-hr rating	
Question:	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:	2	
Description:	The west section of the 3rd Floor dining has an additional exit stair that merges with the West Stair. This additional stair obstructs the width of the West Stair.	
Source of Findings:	Photograph: 3rd Floor exit	
Suggested Plan of Action:	Remove additional exit stair from dining that obstructs the West Stair.	
Suggested Deadline Date:	31 Oct 2014	
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width and BNBC Table 4.3.2	
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 are not posted.	
Source of Findings:	Visual Assessment: No signage provided.	
Suggested Plan of Action:	Post the occupant load for all assembly and production floor areas in a conspicuous space near the main exit or exit access doorway for the space.	
Suggested Deadline Date:	30 Sep 2014	
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load	
Question:	All paths of egress are provided with compliant means of illumination.	
Priority Level:	Medium	
Non-Compliance Level:	1	



Description:	Emergency lighting is provided throughout building but light fixtures are not provided over every aisle.	
Source of Findings:	Visual Assessment: Lighting not over every aisle.	
Suggested Plan of Action:	Provide additional emergency lighting fixtures to provide a minimum lighting level of 2.5 lux for all aisles in production and storage areas.	
Suggested Deadline Date:	30 Sep 2014	
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:	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:	1	
Description:	There are numerous trip hazards in the means of egress including rails for sliding gates and thresholds where exterior stairs meet the floor.	
Source of Findings:	Photograph: (1) Sliding door frame on floor (2) Exterior stair transition from 3rd floor dining (3) Gate frame and exterior stair transition on East Stair (4) Ground Floor landing on East Stair	
Suggested Plan of Action:	Repair, reconstruct exit pathways to eliminate the tripping hazards throughout the factory.	
Suggested Deadline Date:	30 Sep 2014	
Standard:	Alliance Standard Part 6 Section 6.3.4 Walking Surfaces	
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:	1	
Description:	Handrails are provided on one side for the West and South Stairs and portions of the East Stair.	



Source of Findings:	Photograph: South Stair with handrail	
Suggested Plan of Action:	Provide handrails on both sides of each stairway. Mount handrails at a height between 30 in. and 44 in.	
Suggested Deadline Date:	30 Sep 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	
Question:	Stair designation signs are provided at each floor entrance from the stair to the floor in English and Bengali. Signs indicate the name of the stair and the floor level. Signs are posted adjacent to the door.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	No stair designation signs are provided.	
Source of Findings:	Visual Assessment: No signage provided.	
Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level in both English and Bengali.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs	
Fire Safety Programs		
Question:	Storage areas underneath the cutting tables are clear of combustibles.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Storage is located under cutting tables.	
Source of Findings:	Photograph: Storage under cutting tables	
Suggested Plan of Action:	Remove all combustibles stored underneath the cutting tables.	
Suggested Deadline Date:	30 Sep 2014	
Standard:	Alliance Standard Part 17 Section 13.7.2 Cutting tables.	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	2	

Factory Name: **Trouser Line Ltd**

Address: **Toyebpur, Yarpur, Ashulia, Savar Ashulia, Savar Dhaka Bangladesh**

Assessor: **CCRD**

Date: **22 Jun 2013**



ALLIANCE
FOR BANGLADESH WORKER SAFETY

Description:	No hot work permit program in place.
Source of Findings:	Document Review: No program in place.
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B.
Suggested Deadline Date:	30 Sep 2014
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B