









FIRE SAFETY FOLLOW UP INSPECTION




Factory Name	KM Nobely Garments Ltd		Factory ID	23244
Address	Zorun, Konabari Gazipur-1702			
Initial Inspection Date	21-Dec-2020		Report Received Date	
Date of 1st Follow-up	16-May-2022	Date of 2nd Follow-up	10-Sep-2023	
Date of 3rd Follow-up		Date of 4th Follow-up		
Date of 5th Follow-up		Date of 6th Follow-up		
Date of 7th Follow-up		Date of 8th Follow-up		
Date of 9th Follow-up		Date of 10th Follow-up		
Date of 11th Follow-up		Date of 12th Follow-up		
Date of 13th Follow-up		Date of 14th Follow-up		
Date of 15th Follow-up		Date of 16th Follow-up		
Date of 17th Follow-up		Date of 18th Follow-up		
Date of 19th Follow-up		Date of 20th Follow-up		
Inspected by	Monsurul Akram Azim & Ahammad Kabir			

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1	Building-1&2: The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation. Provide minimum 1.5-hr fire rated doors for buildings that are 4 or more stories. Seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation as per Accord standard 6.3.1.3. Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1.	Within 3 months	On 16/May/2022: Doors were found open without interfacing with FACP. Fire door and accessories certificate shall be provided and checked for all model and manufacturer. 2-hr fire rated construction (10 inch brick wall and protected steel member) shall be completed. Utility pipe and all other penetration shall be removed from exit stair enclosure as per RSC 6.14.4. Exterior stairs of building-1 and building-2 shall be separated from building interior as well as adjacent new building as per RSC 6.3.1.3. On 10/09/2023: Corrected. Factory has been provided fire rated door in the exit to separate the staircase from work areas.	18-Apr-2021	Fire door installation work has completed. The utility pipe has been removed from the stairs. On the other hand, all penetration has been removed from exit stair enclosure. It has been done	Corrected	
2	Building-1&2: Storage rooms and process areas used for combustible storage are not separated by fire rated construction on 1st & ground floor in building-1 and ground & 1st floor in building-2 respectively.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: 1. General Condition: Maximum height of 2.4m and maximum area of 23m2. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected; maximum height of 3.66m and maximum area of 93m2. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months	On 16/May/2022: In process storage limitation is not maintaining in 1st and 2nd floor. If factory defined the 1st floor storage as dedicated storage then completed fire separation and exit vestibule shall be provided as per RSC 6.14.3. On 10/09/2023: factory has been provided fire door in the storage area. Canteen is found in the storage area which need to relocate from the storage area.	18-Apr-2021	Fire separation work is complete on between the office and the store room. Excess goods placed on the floor now has been removed from the floor. It has been done.	In Progress	
3	Building-1: Dining areas are not separated by fire rated construction from office and finished goods store on 1st floor.	Separate dining area by a minimum 2-hr fire rated construction having direct access to exit stairs. Seal and/or protect all openings to maintain the required fire separations.	Within 3 months	On 16/May/2022: Dining has been removed from the building and not found during inspection and now using for storage. On 10/09/2023: Corrected as per previous follow up. Note: Canteen is found in the storage area which need to relocate from the storage area.	18-Apr-2021	We have finalized to shift the workers' dining and office from the first floor to the new building. We have already completed the construction of the new building, hopefully we will be able to shift our canteen system there within 31-Jan-2022.	Corrected	

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4	Hazardous materials / flammable liquid storage areas are not separated by fire-rated construction due to openings, nonrated doors from the ETP control room on 1st floor.	Separate the hazardous materials / flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months	On 16/May/2022: Corrected. Exit from ETP has been sealed. On 10/09/2023: Corrected	18-Apr-2021	Our fire rated separation work has completed at ETP control room. It has been corrected.	Corrected	
5	The ETP control room is not separated by fire-rated construction from chemical storage room due to openings and nonrated doors. The ETP control room exit stair discharge inside the chemical room.	Separate the ETP control room and chemical storage room according to Accord standard 3.4.2.1.10. Seal and/or protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer. Provide minimum 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas) from ETP control room. Alternatively, provide a second remote discharge path to the public way (only include this if feasible).	Within 3 months	On 16/May/2022: Corrected. Exit from ETP has been sealed. On 10/09/2023: Corrected.	18-Apr-2021	Our fire rated separation work has completed at ETP control room. It has been corrected.	Corrected	
6	The boiler, generator, compressor and transformer rooms are not separated by fire-rated construction (openings, nonrated doors, penetrations) from each other.	Separate the boiler, generator, compressor and transformer rooms by a minimum 2-hr fire-rated construction from each other. Seal and/or protected all openings to maintain the required fire separations	Within 3 months	On 16/May/2022: Corrected. Fire doors has been provided. On 10/09/2023: Corrected.	18-Apr-2021	The boiler, generator, compressor and transformer rooms will be separated by fire door. The LC of fire door has opened on 02-Dec-2021. Hopefully we will get the door in 30 days and installed within 15-Jan-2022.	Corrected	
7	Building-1&2: The newly constructed production shed building-2 and 3rd & 4th floors of production building-1 are not fire rated construction. Hence, 3rd & 4th floors of the building-1 & shed building-2 are not separated by a fire resistive rated construction barriers.	Newly construction building shall be Type-1 & Type-2 construction in accordance with Accord building standard 3.5.2.1 and BNBC part-2 Table-3.2.4. Provide fire-resistive rated construction barriers following Section 4.4 and Table 4.4.1 of the Accord Standard or Table 3.3.1 and Table 4.1.1 from BNBC Part 4. Consult a qualified fire protection engineer to design the rated construction barriers.	Within 6 months	On 16/May/2022: No action has been taken yet. On 10/09/2023: In progress. The Factory has been working on it. Based on factory information they submit the passive fire protection philosophy design to the RSC on 7th September 2023.	18-Jul-2021	Our selected vendors have already started design and drawing work to protect the steel building fire-resistant, when the work is completed, we will submit the design to RSC for approval. We will start the installation work only after the design is approved.	In Progress	
8	Exit capacity (606) is not adequate for the occupant load (735) on 1st floor of the building-2.	Reduce occupant load immediately to not more than available exit capacity (606) on the 1st floor of the building-2. Provide additional exits in the future to increase exit capacity.	Immediately	On 16/May/2022: Occupant load is reduced, also factory has a plan to provide additional exit. On 10/09/2023: Corrected.	26-Jan-2021	We already reduced number of sewing line from 12 to 8 and also reduce occupant load within the available exit capacity (606). In addition, we have finalized a plan for construction of a new staircase and the construction work will begin once DEA approved by RSC.	Corrected	

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9	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Within 1 month	On 16/May/2022: Occupant load sign is provided On 10/09/2023: Corrected.	18-Feb-2021	We already provided stair designation signs & occupant load signs of all area. This work has completed dated 15.02.2021.	Corrected	
10	An addressable fire alarm system has installed in the factory building premises. Fire detection system installation requires to detailed review to confirm compliance with NFPA 72 and Accord standard for all buildings in the factory premises.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design submission (Within 2 months), Modification within 4 months (if required)	On 16/May/2022: Drawing has been reviewed from RSC and reportedly modification will be completed as per reviewed drawing. On 10/09/2023: Please see the attached Pre-T&CVI full Report.	18-Jul-2021	Already review the design and drawing of Fire Detection System from RSC . Now the detection is running. It has been done.	In Progress	
11	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 1 months (after complete installation of listed fire alarm system)	On 16/May/2022: It's an integrated part of fire alarm system. On 10/09/2023: It's an integrated part of fire alarm & detection system.	18-Aug-2021	We are keeping properly maintenance record accordance with NFPA 72. It has been done.	In Progress	
12	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade but standpipe system is not installed in the building (Applicable for Building-1)	Install a new standpipe system in accordance with ACCORD standard 5.4 and NFPA 14. A class III system shall be installed in buildings with the highest occupiable floor 10 m (33 ft.) above grade or more. A class I system shall be permitted in buildings protected throughout by an approved automatic sprinkler system.	Design within 4 months and installation within 9 months	On 16/May/2022: Drawing has been reviewed from RSC and materials also in-housed. On 10/09/2023: Please see the attached Pre-T&CVI full Report.	18-Oct-2021	Already review the design and drawing of Standpipe System from RSC. Standpipe installation work is going on. It will be completed on 30.07.2022.	In Progress	
13	Inspection, testing, and maintenance of the standpipe system is not in accordance with NFPA 14 or as per Accord standard.	Inspect, test and maintain the standpipe system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 1 months (after complete installation of listed protection system)	On 16/May/2022: It's an integrated part of standpipe system. On 10/09/2023: It's an integrated part of fire standpipe system.	18-Aug-2021	After installation,we will inspect, test & maintain the standpipe system and keep written records on-site.	In Progress	

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14	Inspection, testing, and maintenance of the pump is not in accordance with NFPA 20 or as per Accord standard.	Inspect, test and maintain the pump, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 1 months (after complete installation of listed fire pump set)	On 16/May/2022: It's an integrated part of standpipe system. On 10/09/2023: It's an integrated part of fire standpipe system.	18-Oct-2021	After pump installation, we will inspect, test & maintain the standpipe system and keep written records on-site.	In Progress	
15	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Production shed building-2.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month	On 16/May/2022: Corrected. On 10/09/2023: Corrected.	18-Feb-2021	Directional signs Installation has been completed at all required locations dated 15.02.2021.	Corrected	
16	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 3 months	On 16/May/2022: Corrected. On 10/09/2023: Corrected.	18-Apr-2021	We have check & installed sufficient emergency lighting and also we regularly monitoring the adequate illumination of emergency lighting as the schedule. This work has been completed dated 15.02.2021	Corrected	
17	Inspection, testing and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months	On 16/May/2022: Corrected. On 10/09/2023: Corrected.	18-Apr-2021	As the schedule we monitoring the adequate illumination of emergency lighting and kept written records on site. This work has been completed dated 15.02.2021.	Corrected	
18	New Finding: The egress path along means of egress has interrupted by obstruction/storage at 2nd and 3rd floor of building-1.	Means of egress shall be maintained continuously free and clear of all obstructions/storage.	Immediately	On 16/May/2022: New Finding On 10/09/2023: Corrected.	19-May-2022	The exit routes are being constantly cleaned and all the obstruction or storage areas have been kept clean. It has been completed.	Corrected	

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19	New Finding: Storage was located in the exit stair at building-2 shared stair with new building.	Remove all storage from exit stairs. Keep egress paths and stairs clear of storage.	Immediately	On 16/May/2022: New Finding On 10/09/2023: Corrected.	19-May-2022	Remove all storage from exit stairs. Also keep exits and stairs away from storage. It has been corrected.	Corrected	
20	New Finding: Compliant stair and landing is not provided from ground floor N-E exit.	Provide compliant stair (tread and riser) with handrail covering full exit and landing as per RSC 6.8.5.	Within 1 month	On 16/May/2022: New Finding On 10/09/2023: In progress. Factory has been working on it. Still some work is pending.	16-Jun-2022	We have provided compliant stair with handrail covering full exit and landing. It has been done.	In Progress	
21	New Finding: Liquefied or compressed gas cylinders are located within the factory (Kitchen at roof top of building-1).	<p>The storage or use of liquefied or compressed flammable gas cylinders shall be prohibited within the factory building as per RSC 3.4.2.1.11.</p> <p>Alternatively LPG/CNG cylinders are permitted to be stored in a separate dedicated building on the factory premises within its boundaries if the building meets the following conditions.</p> <ol style="list-style-type: none"> 1. The storage building must be at least 3 meters away from any other building and boundaries. 2. The exterior walls of the building must have a fire resistance rating of 3 hours using noncombustible construction. 3. Doors and other openings in the exterior walls must be protected with suitable closing devices having a fire protection rating of 3 hours. 4. The building is to be used for no other purpose than the storage of LPG/CNG cylinders. 5. The building must be mechanically ventilated to control the accumulation of flammable vapors. 6. The installations must be approved and accepted by the requirements of the AHJ, Gas supply company regulations, manufacturers/supplier's instructions/guidance, CIOB and all other applicable agencies, codes and standards. 	Within 1 month	On 16/May/2022: New Finding On 10/09/2023: Corrected. During the inspection LPG cylinder has not been found in the factory premises.	16-Jun-2022	It no longer exists. It has been corrected.	Corrected	
22	New Finding: The day-care room located at building-1 1st floor and does not have direct access to exit stair.	<p>Provide a minimum 2-hr fire-rated exit corridor between the day-care room and exit stair.</p> <p>Or</p> <p>Relocate day-care room to ground floor with maximum travel distance of 9m (30 ft).</p>	Within 1 month	On 16/May/2022: New Finding On 10/09/2023: Corrected.	16-Jun-2022	Now childcare room has relocated at ground floor and it has direct access to exit stair. It has been corrected.	Corrected	