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| **HIGH HAZARD INDUSTRIAL (F1) Fire Safety Inspection Report / Order to Remedy** |
| **Name of Occupant** | **Group****F** | **Division****1** | **Occupancy**Dust Producing Processes |
| **Building Address** | **Town/Community**      | **Inspection Date**      |
| **Name of Owner or Authorized Agent**      | **Contact Person for Inspection** | **Phone No.** |
| **Address of Owner or Authorized Agent** | **Inspector(s) & Phone No.** | **Reporting No.** |
| **Email Address of Owner or Authorized Agent** | **UTM Coordinates** |  |

**Forming Part II of Fire Safety Inspection Report # \_\_\_\_\_\_\_\_\_\_\_\_\_\_ dated \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Meeting in part NFPA Standards** 664 **(further referencing NFPA** 91,654)

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| **ID** | **MANITOBA FIRE CODE ARTICLE** | **Inspection Observations** | **Meets MB Fire Code** |
| **Yes** | **No** | **N/A** |
| **M** |  | **EXTERIOR** |  |  |  |
| 1 | MFC 5.3.1.3. | Dust collector and adjacent area free of combustible accumulations | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 5.3.1.3. | Dust collector and supports protected from mechanical damage | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 5.3.1.3. | Dust collector located at least 6.1m (20ft) from any means of egress | **[ ]**  | **[ ]**  | **[ ]**  |
| **N** |  | **DUST PRODUCING PROCESSES** |  |  |  |
| 1 | MFC 5.3.1.2. | Building and machinery surfaces are kept clean of accumulations of dust | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 5.3.1.2. | Cleaning equipment used conforms to the Manitoba Electrical Code Part 1 | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 5.3.1.2. | Building and machinery surfaces shall be kept clean of accumulations of combustible dusts. | **[ ]**  | **[ ]**  | **[ ]**  |
| 4 | MFC 5.3.1.3. | Dust collecting system provided | **[ ]**  | **[ ]**  | **[ ]**  |
| 5 | MFC 5.3.1.3. | Dust collecting system conforms to NFPA Standards (MFC A-5.3.1.3.(2)) | **[ ]**  | **[ ]**  | **[ ]**  |
| 6 | MFC 5.3.1.4. | Dust collector located outside the building and has explosion venting | **[ ]**  | **[ ]**  | **[ ]**  |
| 7 | MFC 5.3.1.4. | Dust collector located inside building conforms to 5.3.1.4.(2) | **[ ]**  | **[ ]**  | **[ ]**  |
| 8 | MFC 5.3.1.4. | Dust collector return air complies with 5.3.1.4.(3) including electric interlocks | **[ ]**  | **[ ]**  | **[ ]**  |
| 9 | MFC 5.3.1.5. | Electric equipment and/or equipment accumulating static electricity grounded | **[ ]**  | **[ ]**  | **[ ]**  |
| 10 | MFC 5.3.1.6. | Explosion venting provided to the outdoors | **[ ]**  | **[ ]**  | **[ ]**  |
| 11 | MFC 5.3.1.6. | Explosion venting conforms to NFPA 68 | **[ ]**  | **[ ]**  | **[ ]**  |
| 12 | MFC 5.3.1.7. | Explosion prevention system conforming to NFPA 69 exists | **[ ]**  | **[ ]**  | **[ ]**  |
| 13 | MFC 5.3.1.8. | Electrical Interlocks in place to prevent use of equipment without collector on | **[ ]**  | **[ ]**  | **[ ]**  |
| 14 | MFC 5.3.1.9. | Separators in place to prevent foreign material causing sparks in equipment | **[ ]**  | **[ ]**  | **[ ]**  |
| **O** |  | **WOOD WORKING OPERATIONS** |  |  |  |
| 1 | MFC 5.3.2.1. | Machines producing dust, particles or shavings equipped with exhaust system | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 5.3.2.1. | Exhaust system complies with NFPA 664 | **[ ]**  | **[ ]**  | **[ ]**  |

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| 3 | MFC 5.3.2.2. | Collection of loose shavings and sawdust shall be disposed of frequently | **[ ]**  | **[ ]**  | **[ ]**  |
| 4 | MFC 5.3.2.3. | Fire extinguisher provided with 7.5m of any machine producing dust | **[ ]**  | **[ ]**  | **[ ]**  |
| **P** |  | **GRAIN HANDLING AND STORAGE FACILITIES** |  |  |  |
| 1 | MFC 5.3.3. | Fans and blowers are of spark-resistant construction | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 5.3.3. | Product subject to spontaneous heating, have measures in place to monitor temperature of product and prevent overheating. | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 5.3.3. | Dust collection components are constructed of non-combustible materials | **[ ]**  | **[ ]**  | **[ ]**  |
| 4 | MFC 5.3.3. | Dust collection systems are in operation before start-up of related machinery | **[ ]**  | **[ ]**  | **[ ]**  |
| 5 | MFC 5.3.3. | Procedures are in place to shut down related machinery if the dust collection system shuts down | **[ ]**  | **[ ]**  | **[ ]**  |
| 6 | MFC 5.3.3. | Dust bins and tanks for the storage of grain dust are dust tight, constructed of non-combustible materials and located outside the buildings or structures | **[ ]**  | **[ ]**  | **[ ]**  |
| **Q** |  | **LIFE SAFETY** |  |  |  |
| 1 | MFC 2.1.2.2. | F1 occupancy does not contain A2, B or C occupancies? | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 2.1.3.1. | Fire alarm system installed as required and operational? | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 2.8.2. | The written emergency plan is reviewed at least annually or as required by process changes? | **[ ]**  | **[ ]**  | **[ ]**  |
| 4 | MFC 2.8.2. | The written emergency plan is coordinated with local emergency responders | **[ ]**  | **[ ]**  | **[ ]**  |
| 5 | MFC 2.8.2. | Training programs meeting the applicable NFPA standards exist and are provided to employees, contractors and/or subcontractors? | **[ ]**  | **[ ]**  | **[ ]**  |
| 6 | MFC 2.8.2. | An inspection, testing and maintenance program is developed and implemented to ensure systems and processes perform as designed?  | **[ ]**  | **[ ]**  | **[ ]**  |
| 7 | MFC 2.8.2. | Warning signs are provided (as required) to warn personnel of bodily risk exposures where they exist? | **[ ]**  | **[ ]**  | **[ ]**  |
| 8 | MFC 2.8.2. | Warning signs are posted (as required) at all entrances to the building or equipment? | **[ ]**  | **[ ]**  | **[ ]**  |
| 9 | MFC 5.1.5.1 | Updated Fire safety Plan Provided conforming to MFC 2.8. | **[ ]**  | **[ ]**  | **[ ]**  |
| **R** |  | **EARLY WARNING EQUIPMENT** |  |  |  |
| 1 | MFC 2.1.3.1. | Required interconnection between machinery and the facility fire alarm system is checked as required | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 2.1.3.1. | Visual warning devices are installed where fire alarm audibility may be in question | **[ ]**  | **[ ]**  | **[ ]**  |
| **S** |  | **HOT WORKS** |  |  |  |
| 1 | MFC 5.2.1.1. | Hot Works conform to CAN/CSA-W117.2  | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 5.2.1.2. | Hot Works are performed only by properly trained personnel | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 5.2.2.3. | Hot Works equipment is properly stored when not in use | **[ ]**  | **[ ]**  | **[ ]**  |
| 4 | MFC 5.2.3. | Hot Works Fire Prevention Plan in place (Hot Works Permit) | **[ ]**  | **[ ]**  | **[ ]**  |
| 5 | MFC 5.2.3.3. | Hot Works Fire Watch plan in place with trained personnel | **[ ]**  | **[ ]**  | **[ ]**  |
| 6 | MFC 5.2.3.6. | Hot Works plan includes the placement of at least one fire extinguisher | **[ ]**  | **[ ]**  | **[ ]**  |
| 7 | MFC 5.2.3.7. | Fire Safety Plan (2.8.1.1.) includes Hot Works safety measures | **[ ]**  | **[ ]**  | **[ ]**  |
| **T** |  | **STORAGE OF HAZARDOUS GOODS** |  |  |  |
| 1 | MFC 2.4.4.1. | Flammable and combustible liquids are stored in conformance to MFC Part 4.  | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 3.1.1.4. | Portable LP-Gas containers inside the facility comply with CAN/CSA B149.2 | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 3.2.8.1. | Storage of compressed gases in conformance with the code | **[ ]**  | **[ ]**  | **[ ]**  |
| **U** |  | **INDUSTRIAL TRUCKS** |  |  |  |
| 1 | MFC 3.1.3.2. | Fuel fired industrial trucks stored properly? | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 3.1.3.2. | Fuel fired industrial trucks refueled outside building? | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 3.1.3.2. | Fuel fired industrial trucks using replaceable propane cylinders refueled indoors? | **[ ]**  | **[ ]**  | **[ ]**  |
| 4 | MFC 3.1.3.2. | Replaceable propane cylinders changed safely indoors. | **[ ]**  | **[ ]**  | **[ ]**  |
| 5 | MFC 3.1.3.2. | Spare propane cylinders stored in conformance with MFC 3.3.5. | **[ ]**  | **[ ]**  | **[ ]**  |
| 6 | MFC 3.1.3.2. | Fuel fired industrial truck equipped with at least one fire extinguisher (minimum 2A:30B:C) | **[ ]**  | **[ ]**  | **[ ]**  |
| 7 | MFC 3.1.3.3. | Battery operated industrial truck charging stations located at least 1.5m from combustible materials? | **[ ]**  | **[ ]**  | **[ ]**  |
| 8 | MFC 3.1.3.3. | Battery charging stations in well ventilated area free from hazardous quantities of flammable gases or vapors, combustible dusts or combustible fibres? | **[ ]**  | **[ ]**  | **[ ]**  |
| 9 | MFC 3.1.3.3. | Battery charging stations equipped with at least one fire extinguisher (minimum 2A:30B:C) | **[ ]**  | **[ ]**  | **[ ]**  |
| 10 | MFC 3.1.3.4. | Trained and authorized personnel operate and maintain Industrial Trucks. | **[ ]**  | **[ ]**  | **[ ]**  |
| 11 | MFC 3.1.3.1. | Industrial Trucks are kept clean and reasonably free of lint, excess oil or grease. | **[ ]**  | **[ ]**  | **[ ]**  |
| 12 | MFC 3.1.3.1. | Industrial Truck type designations and type marker on the nameplate are not obscured? | **[ ]**  | **[ ]**  | **[ ]**  |
| 13 | MFC 3.1.3.1. | Building signage is posted at the entrance to Hazardous areas where Industrial Trucks are to be used? | **[ ]**  | **[ ]**  | **[ ]**  |
| **V** |  | **ELECTRICA**L |  |  |  |
| 1 | MFC 5.1.2.1. | Wiring appropriate for hazardous location in conformance with MEC? | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 5.3.1.5. | Static electricity is dissipated using bonding and grounding? | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 3.1.4.1. | Wiring or electrical equipment located in areas where flammable gases or vapors, combustible dusts or combustible fibres are present comply with Manitoba Electrical Code? | **[ ]**  | **[ ]**  | **[ ]**  |
| **W** |  | **SPRAY PAINTING / COATING OPERATIONS** |  |  |  |
| 1 | MFC 5.4.5.1. | All painting done in the paint booth? | **[ ]**  | **[ ]**  | **[ ]**  |
| 2 | MFC 5.4.5.1. | Booth filters inspected and replaced at regular intervals? | **[ ]**  | **[ ]**  | **[ ]**  |
| 3 | MFC 5.4.5.1. | Paint containers stored in the flammable storage cabinet or room? | **[ ]**  | **[ ]**  | **[ ]**  |
| 4 | MFC 5.4.5.1. | All sources of ignition removed from the paint booth and storage area? | **[ ]**  | **[ ]**  | **[ ]**  |
| 5 | MFC 5.4.5.1. | Containers and dispensing equipment bonded and grounded? | **[ ]**  | **[ ]**  | **[ ]**  |
| 6 | MFC 5.4.5.1. | Safe work procedures based on manufacturer’s instructions been established? | **[ ]**  | **[ ]**  | **[ ]**  |
| 7 | MFC 5.4.5.1. | Workers trained in the hazards of chemicals and in procedures for their safe use, spill cleanup and disposal? | **[ ]**  | **[ ]**  | **[ ]**  |
| 8 | MFC 5.4.5.1. | Ventilation system regularly inspected and properly maintained? | **[ ]**  | **[ ]**  | **[ ]**  |
| 9 | MFC 5.4.5.1. | Approved containers and tanks used for the storage and handling of flammable and combustible liquids?  | **[ ]**  | **[ ]**  | **[ ]**  |
| 10 | MFC 5.4.5.1. | Procedures in place to prevent cross contamination between solvent based and waterborne based paints? | **[ ]**  | **[ ]**  | **[ ]**  |
| 11 | MFC 5.4.5.1. | All paint and solvent containers properly labeled? | **[ ]**  | **[ ]**  | **[ ]**  |
| 12 | MFC 5.4.5.1. | Storage rooms have explosion-proof lights and adequate ventilation? | **[ ]**  | **[ ]**  | **[ ]**  |
| 13 | MFC 5.4.5.1. | Spills of flammable or combustible liquids cleaned up promptly? | **[ ]**  | **[ ]**  | **[ ]**  |
| 14 | MFC 5.4.5.1. | Paint booth filters inspected and replaced at regular intervals? | **[ ]**  | **[ ]**  | **[ ]**  |
| 15 | MFC 5.4.5.1. | Dust vacuum systems serviced and maintained properly? | **[ ]**  | **[ ]**  | **[ ]**  |
| 16 | MFC 5.4.5.1. | Safe work procedures in place and followed for all welding and cutting operations? | **[ ]**  | **[ ]**  | **[ ]**  |
| 17 | MFC 5.4.5.1. | Gas cylinders properly chained? | **[ ]**  | **[ ]**  | **[ ]**  |
| 18 | MFC 5.4.5.1. | Oxygen and acetylene tanks stored separately? | **[ ]**  | **[ ]**  | **[ ]**  |
| 15 | MFC 5.3.1.10. | Ignition sources eliminated or controlled to prevent a fire or explosion hazard | **[ ]**  | **[ ]**  | **[ ]**  |

**The following deficiencies have been identified and require the following corrective action(s), to be completed by the noted compliance date.**

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| **ID** | **MFC** **Article No.** | **Deficiency** | **Corrective Action** | **Compliance Date** |

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* Additional information as required may be made on additional pages, and shall become part of this inspection report.

**Administrative Penalty:**

The required corrective action(s) listed above are to be completed by the noted compliance date, or you may be subject to an Administrative Penalty, as provided for under section 15.1(1) of *The Fires Prevention and Emergency Response Act*

**Request for Review of Order**:

In accordance with *Section 15 of The Fires Prevention and Emergency Response Act (C.C.S.M.c. F80),* you have the right to request, in writing, a review of this order by the Manitoba Fire Commissioner within 14 days of issue, or the period specified for compliance if it is less than 14 days. Should you choose to waive that right; the order will be considered final. Your request must include:

1. a copy of the order
2. your name and contact information, and
3. the reason(s) for the request.

                                 Please submit your request to:                        Fire Commissioner

                                                                                                                Office of the Fire Commissioner

                                                                                                                600-401 York Ave.

                                                                                          Winnipeg, MB R3C 0P9

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| --- | --- |
| **Date** |  |
| **Inspector(s) Name** |  |
| **Inspector(s) Signature** |  |
| **Authority Having Jurisdiction** |  |
| **Address** |  | **Phone No.** |
| **Report provided to:** |  |  |

**This report is solely based on conditions existing on       . The Owner or their Authorized Agent shall be solely responsible for carrying out the provisions of the Manitoba Fire Code.**