



Grain Elevator & Operating Facility - Self Fire Safety Checklist

NORTH DAKOTA INSURANCE DEPARTMENT

NORTH DAKOTA STATE FIRE MARSHAL

SFN ____ (10-2024)

Facility	Owner/Responsible Party Name		
Address	City	State	ZIP Code
Email Address	Telephone Number		

	Compliant	Non-compliant
Existing Building Requirements (applicable to all grain operating and storage facilities).	<input type="checkbox"/>	<input type="checkbox"/>
IFC 901.4 Fire protection systems. Fire protection and life safety systems (sprinkler, fire alarm, extinguishers, etc.) shall be installed, repaired, operated and maintained where required.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 911 Explosion Control. Grain processing facilities shall be equipped with explosion control venting or prevention systems in compliance with either NFPA 68 or NFPA 69.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 1032.1 Egress. The means of egress for buildings or portions thereof shall be maintained at all times of operation and occupancy.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 2203.1 Critical depth layer. The maximum dust layer does not exceed 1/32 of an inch.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 2203.2 Equipment and signage. Dust producing and handling equipment is listed for such use and maintained in accordance with manufacturer's recommendations. Explosion warning and caution signs are located in appropriately.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 2203.3 Dust collection/conveying. Minimum conveying velocities within ducts are adequate (IFC Table 2203.3.1.2) for the type of product dust. Cleanouts are located sufficiently to allow access for inspection and maintenance.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 2203.4 Ignition sources. Ignition sources shall be controlled in a manner consistent and compliant with codes and minimizing fire and explosion hazards.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 2203.6 Standard operational procedures. Inspection, testing and maintenance shall include the following as applicable: fire and explosion protection equipment, dust control equipment, control of ignition sources, electrical process and mechanical equipment, lubrication of bearings for dust-collection/handling/producing equipment.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 2203.7 Emergency response plan. A written emergency response plan must be located on site and training records must be maintained for all occupants of the combustible dust hazard space. This should be provided to the AHJ or any other inspector for review.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 2203.1.1 Dust hazard analysis. The owner/operator shall maintain and comply with a current dust hazard analysis accordance with NFPA 652. This should be provided to the AHJ or any other inspector for review.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 3701.1 Use of receptacles. Combustible fiber waste or sweepings shall not be placed in wood or other combustible receptacles and shall be removed daily from the structure.	<input type="checkbox"/>	<input type="checkbox"/>
IFC 3701.2 Vegetation. Grass or weeds shall not be allowed to accumulate at any point on the premises.		
IFC 3701.4 Product storage. Hay, straw or other similar agricultural products shall not be stored adjacent to structures or combustible materials unless a clear horizontal distance equal to the		

height of the pile, or a minimum of 20 feet, whichever is greater, is maintained between such storage and structures or combustible materials.				
NFPA 61-4.1.2. The owner/operator of a facility with agricultural combustible dust shall be responsible for the identification, assessment, management and communications of fire and explosion hazards within their facility.				
NFPA 61-8.13. The owner/operator shall establish a program and implement a process to manage the retention of required documentation including, but not limited to, the following: training records, equipment inspection and maintenance, incident reports, dust hazard analysis, process and technology, management of change documents, and contractor records.				
NFPA 61-8.18.2. Miscellaneous storage shall not impede facility housekeeping or fire-fighting.				
NFPA 61-9.2.2.3. Electrical wiring and power equipment shall meet all applicable requirements of NFPA 70. The owner/operator shall maintain permits or reports showing compliance with electrical code.				
NFPA 61-9.3.3.2.1. All system components shall be electrically conductive, grounded, and bonded to avoid static electricity build up or discharge.				
IFC 2205 Standards. Additional industry or material specific codes and standards may also apply.				
NFPA 652-7.1.2. The owner/operator shall demonstrate and document reasonable progress each year in meeting DHA items and timelines.				
New Construction and Change of Occupancy/Use Requirements.				
IFC 903. Automatic Sprinkler Systems. Building occupancies of Group H or Group S-1 (over 12,00 square feet) are required to be sprinklered.			<input type="checkbox"/>	<input type="checkbox"/>
NFPA 61-9.2.7.3. Bin decks greater than 50 feet in length shall maintain two remote means of egress.			<input type="checkbox"/>	<input type="checkbox"/>
NFPA 652-7.1. The dust hazard analysis for the property shall be updated at any time that an operational or structural change occurs, and shall be updated a minimum of every five years.			<input type="checkbox"/>	<input type="checkbox"/>
Witnessed by (Fire Authority)		Contact Telephone Number or Email Address	Date	
Remarks (reason for inspection, other violations noted, correction process, plan of correction needs, other):				

The International Fire Code (IFC), 2021 Edition has been adopted by the North Dakota State Fire Marshal's Office as rules for the fire prevention of the State of North Dakota. Fire code violations shall be corrected immediately. Fire codes listed are not a comprehensive list and do not encompass all applicable fire and safety codes. The noted code sections may include referenced National Fire Protection Association documents such as NFPA 61 "Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities", and NFPA 652 "The Fundamentals of Combustible Dust".