

Grain Silo Entry Safety Checklist

Site / Project	_____	Address	_____
Inspector name	_____	Company	_____
Date	_____	Time	_____

Documentation aid only. Adapt this resource to the site, manufacturer instructions, and applicable local requirements. It does not replace a competent person, professional judgment, legal advice, or a required statutory form.

Inspection checklist

Pre-Entry Permitting & LOTO

☐ Entry permit is completed, signed, and dated by authorized personnel before entry. (OSHA 1910.146(e))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Sweep auger and all mechanical equipment within the silo are completely locked out and tagged out. (OSHA 1910.272(g)(1)(i))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Electrical disconnects for all equipment are locked and tagged out at the main panel. (NFPA 70E)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Atmospheric testing for oxygen levels, combustible gases, and toxic substances is completed and documented within the permit. (OSHA 1910.146(d)(5))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Communication system (two-way radio or hard-wired system) between entrant and attendant is tested and functional. (OSHA 1910.146(i))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ A detailed rescue plan is documented and readily available, including contact information for emergency services. (OSHA 1910.146(d)(9))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Entry permit is posted at the entry point of the grain silo. (OSHA 1910.146(e)(2))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐ Entrant and attendant have been briefed on the hazards, entry procedures, and emergency procedures. (OSHA 1910.146(h))	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Personal Protective Equipment (PPE)

☐	Full-body harness fits correctly and is inspected for damage (tears, cuts, corrosion) before each use. (ANSI Z359.11)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Lifeline is in good condition, free from cuts, abrasions, and chemical damage. (ANSI Z359.15)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Respirator (if required) is properly fit-tested and the user is trained on its use and limitations. (OSHA 1910.134)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Appropriate dust mask (N95 or higher) is available and worn to minimize dust inhalation. (NIOSH Recommendations)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Safety glasses or goggles are worn to protect eyes from dust and debris. (ANSI Z87.1)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Appropriate footwear (steel-toed boots) is worn to protect feet from injury. (ANSI Z41)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Clothing is close-fitting to prevent entanglement with equipment or grain. (General Safety Practice)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Hearing protection is available and used if noise levels exceed 85 dBA. (OSHA 1910.95)	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Silo Condition & Environment

☐	Grain level is assessed to determine the extent of bridging or compaction. (Visual Inspection)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Signs of bridging (uneven surfaces, voids) are identified and addressed before entry. (Visual Inspection)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Dust accumulation on surfaces is assessed and controlled before and during entry. (NFPA 61)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Ventilation is adequate to minimize dust concentration and maintain breathable air. (ACGIH Recommendations)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Lighting is sufficient to provide clear visibility inside the silo. (OSHA 1926.56)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Temperature and humidity are monitored to prevent heat stress or other adverse conditions. (NIOSH Recommendations)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Entry point is clear of obstructions and provides safe access. (General Safety Practice)	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Any internal obstructions (ladders, supports) are identified and accounted for in the entry plan. (Visual Inspection)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Grain condition (moisture, mold, foreign material) is assessed to identify potential hazards. (Visual Inspection)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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Fall Protection & Rescue Equipment

☐	Anchorage point for lifeline is rated for at least 5,000 lbs per person attached. (OSHA 1926.502(d)(15))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Lifeline is securely attached to the harness and the anchorage point. (ANSI Z359.15)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Retrieval system (winch or tripod) is available and in good working order for emergency extraction. (OSHA 1910.146(k)(3))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Rescue team is trained in grain engulfment rescue techniques and equipment operation. (OSHA 1910.146(k))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Rescue equipment (harnesses, ropes, cutting tools) is inspected before each use. (Manufacturer Recommendations)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Confined space monitor is present and continuously monitoring atmospheric conditions. (OSHA 1910.146(i))	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	First-aid kit is readily available and stocked with necessary supplies. (ANSI Z308.1)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	A tagline is used to control the movement of the entrant within the silo. (Best Practice)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Cutting tools (e.g., grain rescue tubes) are available for creating a barrier around the engulfed person. (Grain Handling Safety Coalition Recommendations)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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Combustible Dust Control

☐	All potential ignition sources (open flames, sparks, hot surfaces) are removed from the silo area. (NFPA 61)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Measures are in place to control static electricity (grounding, bonding). (NFPA 77)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Housekeeping procedures are followed to minimize dust accumulation on surfaces. (NFPA 652)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Dust collection system (if present) is functional and properly maintained. (NFPA 652)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Explosion venting (if present) is clear of obstructions. (NFPA 68)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Hot work permit is required for any activities that could generate sparks or heat. (OSHA 1910.252)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Electrical equipment is rated for use in a Class II, Division 1 or 2 environment. (NEC Article 500)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	No smoking policy is strictly enforced in and around the grain silo. (General Safety Practice)	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Findings

#	Item	Location	Severity	Action required
1				
2				
3				
4				
5				
6				
7				
8				

Signature

Inspector signature _____

Name _____

Date _____