

Rig Floor Safety Inspection 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

Housekeeping & Floor Conditions

☐	Is the drill floor free of oil, grease, and drilling mud? (Immediate cleaning required)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are spill containment measures (e.g., drip pans, absorbent materials) in place and properly used around hydraulic equipment and connections?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all hoses, cables, and lines properly routed and secured to prevent trip hazards? Are cable protectors in use where necessary?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the floor drainage system clear and functioning properly to prevent fluid accumulation?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are anti-slip surfaces (e.g., mats, coatings) in good condition and properly maintained in high-traffic areas and around the rotary table?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is lighting adequate (minimum 50 foot-candles) across the entire drill floor, including the red zone and around the rotary table, to ensure clear visibility?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all walking/working surfaces free from damage (e.g., holes, loose grating) that could cause slips, trips, or falls?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are emergency exits clearly marked, unobstructed, and easily accessible from all areas of the drill floor?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Are sufficient waste receptacles available and properly used for disposal of trash, rags, and other waste materials?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the floor load rating clearly posted and adhered to? Are heavy items stored in designated areas to prevent overloading?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Rotating Equipment & Red Zone Safety

☐	Are all moving parts of the rotary table properly guarded to prevent contact? (Guards must be securely in place)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the Iron Roughneck operating smoothly and within its specified parameters? Are all safety interlocks functioning correctly?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are tongs in good working condition, with properly maintained dies and secure latching mechanisms?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is the 'Red Zone' around the rotary table clearly marked with highly visible paint or tape? Is access restricted to authorized personnel only?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are emergency stop buttons for all rotating equipment readily accessible and functioning correctly? (Test each button)	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a proper Lockout/Tagout (LOTO) procedure in place and followed for all maintenance and repair work on rotating equipment?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a clear and reliable communication system (e.g., hand signals, radio) in place between the driller and all personnel working in the red zone?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Have all personnel received training on pinch point hazards associated with rotating equipment and pipe handling operations?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are documented inspections of all rotating equipment (rotary table, Iron Roughneck, tongs) conducted regularly and records maintained?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all hydraulic hoses and fittings on rotating equipment inspected for leaks, wear, and damage? Are they rated for the operating pressure?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Drill Pipe Handling & Tubular Safety

☐	Is the pipe racking system in good condition, with secure supports and properly functioning elevators?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
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☐	Are all pipe handling tools (e.g., slips, elevators, spiders) inspected for wear, damage, and proper function before each use?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are stabbers positioned safely and using appropriate fall protection when working at height during pipe connections?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are measures in place to prevent dropped objects (e.g., tool tethers, netting, barricades) during pipe handling operations?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are drill pipes and tubulars inspected for defects (e.g., cracks, corrosion) before being used in the wellbore?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are pipe threads properly cleaned and lubricated before each connection to ensure proper sealing and prevent galling?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is torque accurately monitored during pipe connections to prevent over- or under-tightening?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are tag lines used to control the movement of drill pipe during lifting and lowering operations?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are load charts for pipe handling equipment readily available and understood by all personnel involved in lifting operations?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is clear communication maintained between the driller, derrickhand, and floorhands during all pipe handling operations?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is drill pipe stored properly to prevent damage and ensure stability?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Personal Protective Equipment (PPE)

☐	Are all personnel on the drill floor wearing properly fitted and approved hard hats (ANSI Z89.1)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all personnel wearing appropriate safety glasses or goggles (ANSI Z87.1) with side shields to protect against eye hazards?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all personnel wearing steel-toe boots (ASTM F2413) to protect against foot injuries?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are appropriate gloves (e.g., leather, nitrile) worn to protect hands from cuts, abrasions, and chemical exposure?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Is hearing protection (e.g., earplugs, earmuffs) readily available and used in areas with high noise levels (above 85 dBA)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are all personnel wearing flame-resistant clothing (FRC) that meets NFPA 2112 standards?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is respiratory protection (e.g., dust masks, respirators) required and used when exposed to airborne contaminants (e.g., dust, fumes)?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is all PPE inspected regularly for damage, wear, and proper fit? Is damaged PPE replaced immediately?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Have all personnel received training on the proper use, care, and maintenance of required PPE?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are personnel wearing high-visibility clothing (ANSI 107) when working in areas with mobile equipment or limited visibility?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Findings

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

Signature

Inspector signature _____

Name _____

Date _____