OpsAuditHub opsaudithub.com	DOC ID: **SAF-0412**	REVISION: **Rev 2.4 (2026)**
	STANDARD: **OSHA 29 CFR 1910.303 (Electrical Safety-Work Practices) & NFPA 70E**	AUDIT FREQUENCY: **Daily Pre-Shift**

Farm Irrigation Pump Electrical Inspection Daily Log Sheet

Operational Scope: This daily inspection log establishes a mandatory pre-operational protocol for agricultural irrigation pump electrical systems to prevent electrocution, equipment burnout, and arc flash hazards. Compliance with this procedure is required prior to energizing pumping units in damp and outdoor environments.

MANDATORY PPE:	Arc Flash Rated Safety Glasses (ANSI Z87.1), Dielectric Rubber Gloves (NFPA 70E Compliant), Electrical Hazard (EH) Rated Steel-Toe Boots (ASTM F2413), High-Visibility Safety Vest, Flame-Resistant (FR) Long-Sleeve Shirt
PREREQUISITES:	Verify weather conditions are safe (cease inspection immediately during active lightning storms or heavy downpours). | Ensure clear, unobstructed access to the pump control panel and emergency shut-off switches.

ENCLOSURE & ENVIRONMENTAL SAFETY

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
1	**Control Panel Enclosure**	Enclosure door is securely latched, gasket intact, and NEMA/IP rating is uncompromised by rust or structural damage.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
2	**Pest & Moisture Intrusion**	Interior of cabinet is free of insect nests, rodent damage, condensation buildup, or standing water.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
3	**Warning Signage**	High Voltage and Danger warning labels are visibly attached, legible, and unfaired on the exterior door.	**Standard**	[ ] PASS [ ] FAIL [ ] N/A

WIRING, GROUNDING & PROTECTIVE DEVICES

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
4	**Main Disconnect Switch**	Handle operates smoothly without binding; clearly indicates ON/OFF positions and accepts lockout/tagout (LOTO) padlocks.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
5	**Grounding and Bonding**	Ground wire connections to the pump frame and ground rod are tight, corrosion-free, and securely clamped.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
6	**Power Supply Cabling**	Conduits and flexible power feeds show no signs of fraying, cracking, rodent chewing, or insulation breakdown.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
7	**GFCI / Ground Fault Protection**	Test button on GFCI breakers or equipment earth-leakage relays trips successfully when manually activated.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

OPERATIONAL CONTROLS & MOTOR DIAGNOSTICS

#	COMPONENT / ITEM	VERIFICATION CRITERIA & ACCEPTANCE STANDARD	SEVERITY	STATUS
8	**Emergency Stop (E-Stop) Button**	Pushing the E-Stop button instantly cuts power to the pump motor control circuit.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A
9	**Motor Starter & Overload Relays**	Contactors show no excessive pitting or carbon buildup; thermal overload relays are set to correct FLA rating.	**Warning**	[ ] PASS [ ] FAIL [ ] N/A
10	**Pump Motor Operation**	Upon startup, motor runs smoothly without abnormal humming, excessive vibration, or burning electrical odors.	**Critical (Immediate Out of Service)**	[ ] PASS [ ] FAIL [ ] N/A

Certified Inspector / Lead Operator Signature: _____	**Date / Time:** _____	**Badge / Cert #:** _____
Site Safety Supervisor / Operations Manager Sign-off: _____	**Review Date:** _____	**Audit Status:** [ ] Approved [ ] Rectify

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