

Farm Wiring Checklist

This checklist is designed to assist you in visually inspecting your farm electrical systems and noting potential stray voltage sources. It is not a complete or all-inclusive listing of all possible on-farm electrical wiring issues and is not a substitute for a review by a qualified electrician.

	Yes / No
<u>MAIN FARM SERVICE</u>	
Connection to the ground rod - loose, corroded-----	___/___
Ground rod(s) missing at the service entrance-----	___/___
<u>BARN SERVICE ENTRANCE</u>	
Ground rod(s) missing at the service entrance-----	___/___
Connection to ground rod(s) - loose, corroded-----	___/___
Large accumulation of feed dust or other debris in or on service box-----	___/___
Corroded or loose neutral connection-----	___/___
Panel cover missing or removed-----	___/___
<u>MILKHOUSE</u>	
Wires sitting in water-----	___/___
Electric portable heaters on bulk tank-----	___/___
Broken or missing bonding strap for milkline-----	___/___
Damaged or missing seals on electrical fixtures, switches, outlets, lights, etc-----	___/___
Corrosion of electrical fixtures-----	___/___
<u>IN THE PARLOR OR AROUND THE BARN</u>	
Pulsator wiring	
-Pinched wires-----	___/___
-Loose, hanging wires, stripped screws-----	___/___
-Scrapes, breaks or cracks in insulation exposing the conductors-----	___/___
-Broken stall cocks-----	___/___
Wires lying in damp or wet areas-----	___/___
Loose, hanging wires-----	___/___
Broken or bent conduit-----	___/___
<i>Energized</i> open wires taped or untaped and not in a junction box-----	___/___
120-volt non-polarized or non-grounded appliances used in the barn (clocks, heaters, radios, stereos, etc.) -----	___/___
Cow trainer insulators <i>broken, missing, dirty</i> or covered with whitewash-----	___/___
<u>OTHER OBSERVATIONS</u>	
Lights alternately brightening or dimming when motors start-----	___/___
Lights seem too bright/dim-----	___/___
Electrical shocks from any equipment-----	___/___
Wires, electrical boxes or motors in wet or damp areas-----	___/___
Frequent fuse blowing/breaker tripping-----	___/___
Electric fence or cow trainer ground connected to farm electric system ground-----	___/___
Electric fence or cow trainer ground connected to water or milk lines or stanchions-----	___/___
Damaged wire insulation exposing conductors-----	___/___
Insulated wires wrapped around metal pipes-----	___/___
Damaged or frayed extension cords-----	___/___
Motors, operating irregularly under load, sparking, etc-----	___/___
Electrical outlets not properly grounded to accept a three-prong plug-----	___/___

A check mark placed in the "yes" column could indicate a potential Stray voltage problem. In most instances, a qualified electrician should be contacted if any electrical equipment or wiring needs to be repaired or replaced.