

ESCO GROUP

ESCO Energized Electrical Work Permit

Employee in Charge: _____

Jobsite: _____

Area Work Will Be Completed _____

Date: _____

Time Completed: _____

THE GOAL OF THIS PERMIT IS TO ENCOURAGE EMPLOYEES AND CLIENTS TO DEFER THE WORK UNTIL A SCHEDULED OUTAGE

THIS FORM IS TO BE COMPLETED BY AN ELECTRICALLY QUALIFIED ESCO EMPLOYEE AND A CLIENT REPRESENTATIVE

PART I- DESCRIPTION OF CIRCUIT OR EQUIPMENT:

SECTION MUST BE COMPLETED

Yes N/A

CHECK ALL THAT APPLY

- | | | |
|--------------------------|--------------------------|-----------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | 1. MCC bucket ≥ 50V |
| <input type="checkbox"/> | <input type="checkbox"/> | 2. Circuit breaker ≥ 50V |
| <input type="checkbox"/> | <input type="checkbox"/> | 3. Disconnect ≥ 50V |
| <input type="checkbox"/> | <input type="checkbox"/> | 4. Exposed conductors ≥ 50V |
| <input type="checkbox"/> | <input type="checkbox"/> | 5. Open enclosure ≥ 50V |
| <input type="checkbox"/> | <input type="checkbox"/> | 6. Other (≥ 50V): |

PART II- IDENTIFY TASK(S): SYSTEM OPERATING AT ≥ 50:

SECTION MUST BE COMPLETED

Yes No N/A

TASK DESCRIPTION: CHECK ALL THAT APPLY

- | | | | |
|--------------------------|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. Installing conduit/cable tray into energized equipment |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. Pulling cable/installing cable into energized equipment |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 3. Demolition- conduit or cable from energized equipment |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4. Installing or swapping mcc bucket(s) in energized equipment |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5. Drilling or cutting into energized equipment |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 6. Over head hazards- utility lines, exposed bus - overhead |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 7. Housekeeping near exposed conductors |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 8. Grounding cable installation on load side (line side still energized) |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 9. Other: |

PART III- JUSTIFICATION FOR PERFORMING TASK:

SECTION MUST BE COMPLETED

Yes No N/A

CAN THE WORK BE DEFERRED UNTIL A SCHEDULED OUTAGE, I.E. DE-ENERGIZED AND LOCKED OUT AND TAGGED OUT

- | | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 1. Does the work create a greater hazard in a de-energized state? |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 2. Is the work infeasible in a de-energized state due to design or equipment limitations: |

Explain:

3. Requester name and title: _____ Date: _____

PART IV- DETAILED JOB DESCRIPTION TO BE USED TO COMPLETE SELECTED TASK FROM PART II

SECTION MUST BE COMPLETED

WRITTEN PROCEDURE (STEP-BY-STEP):

ATTACH DOCUMENTS (AS NEEDED): SINGLE LINE DRAWINGS/PRINTS-LOTO PROCEDURE-ADDITIONAL DOCUMENTS:

PART V- SHOCK HAZARD ASSESSMENT:

FILL IN ALL OF THE INFORMATION:

SECTION MUST BE COMPLETED

- Voltage level _____
- Limited approach boundary _____
- Restricted approach boundary _____

Yes No N/A

- | | | | |
|--------------------------|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 4. Voltage rated glove class and expiration date: _____ |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 5. Shock protection and insulated tools required when crossing restricted approach boundary |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 6. Testing for absence of voltage requires proper shock protection |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 7. Boundaries established with properly marked danger tape or attendant |

PART VI- ARC FLASH HAZARD ASSESSMENT:

Yes No N/A

FILL IN ALL OF THE INFORMATION

SECTION MUST BE COMPLETED

1. STOP WORK CRITERIA IF NO ARC FLASH HAZARD ANALYSIS COMPLETED OR NO LABEL IS IN PLACE

- 2. Arc flash analysis must be followed when completed, i.e. Label is in place
- 3. Incident energy (cal/cm²): _____
- 4. Arc flash protection boundary _____
- 5. If no arc flash label in place use current nfpA 70E tables.

Maximum short circuit current: _____
 Maximum fault clearing time: _____
 Arc flash ppe category: _____

- 6. Arc flash ppe required list: _____
- 7. Boundaries established with properly marked danger tape or attendant

PART VII- PROTECTIVE EQUIPMENT TO BE USED

FILL IN ALL OF THE INFORMATION

SECTION MUST BE COMPLETED

- ARC RATED CLOTHING
- ARC RATED HOOD
- VOLTAGE RATED GLOVES
- SAFETY GLASSES
- TEMPORARY GROUNDS OR GROUND SET
- 100% NATURAL FIBER CLOTHING
- HEAR PROTECTION (CANAL INSERTS)
- ARC RATED GLOVES
- HARD HAT
- PROTECTIVE SHIELDS/ BARRIERS
- ARC RATED FACESHIELD
- HEAVY DUTY LEATHER GLOVES
- EH RATED LEATHER FOOTWEAR
- INSULATED HAND TOOLS
- OTHER: _____

PART VIII- ELECTRICALLY QUALIFIED EMPLOYEE LOG

SECTION MUST BE COMPLETED

PRINT NAME	SIGN NAME	TIME:

Yes No N/A

PART IX- FINAL CHECKLIST

SECTION MUST BE COMPLETED

- 1. Is the job briefing complete and present?
- 2. Can the work described be completed safely? If no, stop work and return to the requester of work.

PART X- APPROVAL PROCESS:

SECTION MUST BE COMPLETED

APPROVER- ALL ARE REQUIRED TO PROCEED:

Print Name _____ Signature _____ Date _____
 ESCO Group Supervisor: _____
 ESCO Group Safety Personnel (verbal or email is allowed): _____
 Client Supervisor/Manager/Engineer: _____

RETURN COMPLETED FORM TO THE ESCO GROUP SAFETY DEPARTMENT FOR PROPER FILING