ESCO GROUP

Core Drilling Permit

Location: _____

All core drilling must be approved by:

Person doing the drilling:		
Customer:		
ESCO GROUP Supervisor:		
ESCO GROUP Foreman:		
ESCO GROUP Safety Coordinato	r:	

nning Checklist ate: rea: YES	NO
YES	NO
	NO
	NO
	NO
prøv analysis)	
Max. Fault Clearing time	l
rce nossible?	
ut Complex Lockout	
-	
Other	
ded or [] Guarded (check methods used)	
e been identified or marked?	
y customer?	
dition?	
	ergy analysis) Max. Fault Clearing time Max. Fault Clearing time

Employee Signatures:

ESCO Group Energized Electrical Work Permit

This permit is required for any work in which a person or conductive object will approach closer than the Restricted Approach Boundary to energized (live) parts operating at 50 volts or more. PPE and electrically rated equipment is still required, however the following do not require this permit to be completed.

Testing and troubleshooting, including voltage and current testing.

- Breaker and switch operation with covers closed or safe.
- Activities to lockout/tagout equipment.
- Installation of barriers to make the job safe.
- Tightening a 110VAC terminal screw.
- Removing a cover to perform an IR scan.

Before initiating this work.....

Can this job be avoided? Yes \Box No \Box

Is there a safer way to do this work? Yes \Box No \Box

Can it be shut down? Locked/Tagged? Yes \Box No \Box

Can it be delayed until such a time that it can be shut down? Yes \Box No \Box

Can Voltage Rated Barriers be installed to eliminate the hazard? Yes \Box No \Box

If one or more of these question is "Yes", then use this method and use a normal Job Briefing for this work. If all are "No" proceed with an Energized Electrical Permit.

Why does it have to be done hot? (Check all that apply)

□ It is part of a Continuous Process that can't be shut down?

- □ Emergency System
- □ Hazardous Location Ventilating System?

Creates additional hazards or infeasible due to equipment design or limitations?

If none of these items are checked, Energized Electrical work is not allowed and the equipment should be shut down and locked out!

Instructions to electrically Qualify individual (Permit Issuer):

Verify/Fill our permit daily All items on the permit must be checked or filled out. Insure proper PPE Sign Permit Review project plan with and secure acknowledgement signatures Notify designated 1st Aid/CPR site safety coordinator Post permit at job site.

Note: Once work is complete, return this form to your supervisor.

Emergency Information:

1. For medical assistance dial ______ for plant.

2. Dial 911 for emergency response.

Energized Electrical Work Permit

Energized electrical work being done by:

6. Additional Safety Work Practices Employed: Employee: Date: ______
Permit expires: (time) _____ Date: _____ \square or none \square Job/WO Number: _____ 7. Other job hazards: _____ Job Location: _____ Flash Hazard Boundary: Flash Hazard Category (Circle) and Protection $_$ or none \Box Required. 0 1 2 3 4 8. Job Briefing/Planning Checklist Filled Out See page DD-21 for Personal Protection Equipment Yes \Box No \Box required. 9. ERT/FRT and technical community been notified? Description of Circuit Equipment: $Yes \Box No \Box$ _____ 10. >150V: Identify observer if working alone on _____ work or N/A \Box _____ 11. Do you agree that this work can be performed safely? Description of work being done: _____ Yes \Box No \Box _____Yes 🗆 No 🗆 _____Yes □ No □ Note: See Arc Flash Label for some of the following information: Use Power Feed Label in absence of If "No", stop work and report to your Supervisor. local label: 12. Do you acknowledge that you have reviewed MAXIMUM VOLTAGE EXPOSED: (CIRCLE) this job at the job site with the electrically qualified 150-300V, 300V TO 750V, >750V Specify: worker? AC DC ESCO Group Supervisor Voltage Being Worked On: (Circle) Name: <150V, 150-300V, 300V to 750V, >750V Signature: _____ If >750V Specify: _____ AC \square DC \square Maintenance/Engineering Manager 1. Prohibited Approach Boundary: (Permit Name: _____ Requirements) Signature: <300V – Avoid Contact 300 to 750V – One inch Once the work is complete, forward this form to >750V – Seven inches (up to 15,000 volts). ESCO Group Safety Department for review and 2. Shock Protection Boundary (Restrictive Approach retention. Boundary) 3. Shock Hazard PPE Required (Circle Required Elements): - Voltage Rated Gloves/Leathers Class Required (Circle): 00. 0. 1, 2, 3, 4 - Voltage Rated Tools Yes 🗆 No 🗆 4. Limited Approach Boundary: (Unqualified People Entry Distance) 5. Means to keep Unqualified people out: _____

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HOT WORK PERMIT

NAME	_ FOREMAN	
Person performing hot work		
DATE TIME	E	
FACILITY NAME		
	E PERFORMED	
FIREWATCH (Remain in area for 30 minute	es after work is completed) NAME: FIRE EXTINGUISH	HER
FIRE EXTINGUISHER		
□ FIRE BLANKETS		
FLAMMABLE MATERIAL CLEARED OF	UT OF WORK AREA	
SIGNATURES:		
Person performing hot work		
Foreman		

Owner Representative (if applicable)



Electrical Conduit and Tray Cable Removal Permit

This Permit shall be completed for any work in which an employee will be required to remove an installed electrical conduit or tray cable under these circumstances:

Check all that apply

□ All circumstances where at least one end of the conduit or tray cable to be cut cannot be seen or is not within 30' of cutting point.

□ All circumstances that involve cutting a conduit or tray cable anywhere except for the end of the conduit or cable tray; i.e. the middle of the installation.

□ All circumstances that involve cutting conduits or tray cable that are similar in size and materials that are installed in such a manner that they are parallel or adjacent to each other.

□ Unable to remove cable from conduit-cutting is last resort.

Permit (To be completed prior to work commencing)

Date:	Time:	_ a.m. or p.m.
Conduit or Tray Cable Locatio	on:	
Dept Supervisor: Print	Sign	
ESCO Group Supervisor Signa	ture:	
Print	_Sign	
 Identify conduit with tape, 	d (locked out or de-terminated) , paint, or tag on the conduit to be natures below) confirm that correc	
ESCO Signature #1: Print	Sign_	
ESCO Signature #2: Print	Sign_	

Submit all completed permits to ESCO Group Safety Department

The ESCO Group's Hazard/Risk Evaluation Procedure

