



In case of emergency call:



LIVE ELECTRICAL WORK WORK PERMIT



Local regulatory requirements will govern if more stringent than those spelled out in this permit. The work governed by this permit must stop if the permit conditions are no longer met. This permit is only valid when all appropriate sections are completed and signed by the appropriate individuals up to and including hand-over. Live electrical work shall only be done when all other possibilities to overcome the necessity have been carefully explored. Our basic requirement is to conduct work on electrical circuitry only when it is in a 'electrically safe work condition'. This PTW applies only to activities when dealing with circuits > 50 volts AC or DC.

Section 1 General Information

This permit is linked to:

- A General Work Permit or
- A JHA or other written work instruction.

No:

Reference:

Work Order or/ and Equipment Specific Procedure number: (if applicable).....

Permit Live Electrical Work Requested by: (name & Company)..... On: (date)

Permit Live Electrical Work valid from: (date & time) To: (date & time; max. 7 days)

Campus #/ department/ area/ installation/ equipment:

Work description:

Does this work include:

- The voltage in the circuit is below 50 volts AC or DC
- Energized Electrical Work -Testing and Troubleshooting
 - Low voltage circuitry (< 600V)
 - High Voltage circuitry (≥ 600V)
- Energized Electrical Work - Maintenance and Replacement

☐ Yes => No permit required☐ Yes => No permit required☐ Yes => Permit required☐ Yes => Permit required

Justification 'Why' the work cannot be done de-energized or re-scheduled

Has a documented risk control procedure been provided? ☐ Yes: (ref of procedure):☐ No, hazard identification and control will be documented by this permit

Section 2 Scope of Work - Potential Hazards & Mitigations - Shock Hazard Analysis

Voltage type selection ☐ A.C ☐ D.C.

Arc Flash Hazard Analysis applicable?

☐ Yes (Go to Section 2B)☐ No (Continue below)

Apply local regulatory requirements.

AC system } Use relevant tables
DC system }

In absence of local information use the following:

Voltage (AC/DC)	Limited Approach Boundary	Restricted Approach Boundary	Prohibited Approach Boundary
< 600V	3 m (10 ft 0 in)	1,2 m (4 ft 0 in)	25 mm (0 ft 1 in)
≥ 600 V < 46KV	3 m (10 ft 0 in)	1,2 m (4 ft 0 in)	0,4 m (1 ft 5 in)

Highest voltage to which personnel will be potentially exposed?..... V

Limited approach boundary? ftin or m

☐ Work will be conducted within this boundary

Restricted approach boundary? ftin orm

☐ Work will be conducted within this boundary

Prohibited Approach Boundary?ftin or m

☐ Work will be conducted within this boundary

Section 2A Shock Hazard Prevention

Necessary shock, personal and other protective equipment/ arrangements to safely perform the task

☐ Voltage-rated tools	☐ Voltage-rated gloves	☐ Safety glasses	☐ Face shield
☐ Hard hat	☐ Voltage rated Isolating mat	☐ Flame resistant work clothing with long sleeves	
☐ 2nd person present	Other:.....		

Has a job briefing and planning checklist been completed?

☐ Yes (Please attach)☐ No (Go to Section 2C)

Section 2B				Arc Flash Hazard Analysis			
Method applied to define Arc flash energy							
☐ Incident energy analysis method (Calculations) Available incident energy (Max)cal/ cm² Arc Flash Boundaryft ormm				☐ Arc flash PPE categories from local regulatory requirements Using the task tables and then defining the appropriate PPE. Clothing, insulated tools and PPE must be in good condition and inspected in accordance with site Electrical Safety Program requirements prior to using.			
Identify appropriate clothing in the table below.							
Arc flash protective clothing (PC = Personal clothing/ ARC = Arc rated clothing)							
☐ Long sleeve shirt (PC)		☐ Long Pants (PC)		☐ Long Sleeve shirt (ARC)		☐ Long Pants (ARC)	
☐ Face shield or Arc flash suit hood		☐ Coverall (ARC)		☐ Suit pants (ARC)		☐ Suit hood (ARC)	
☐ Balaclava (ARC)		☐ Suit Jacket (ARC)		☐ Jacket, parka, rainwear, or hard hat liner (ARC)			
☐ Gloves (ARC)		Other:.....					
Shock Protective Clothing							
☐ Hard hat		☐ Safety glasses or safety goggles		☐ Hearing protection		☐ Heavy duty leather gloves	
☐ Isolated Leather footwear		Other:.....					
Has a job briefing and planning checklist been completed?				☐ Yes (Please attach)		☐ No (Go to Section 2C)	
Section 2C				Methods to Prevent ‘Unqualified Persons’ Access the Work Area			
☐ Signs/ Tags		☐ Barricades			☐ Attendants		
Section 3				Authorization and Acceptance			
Strategic Construction Solutions Site Expert Electrical Person or Authorized Designee							
I give authorization for the work described to proceed as per the conditions of this permit and I am satisfied that all the hazards associated with this permit to work are controlled.							
Name:		Phone:		Signature:		Date & Time:	
.....							
Additional requirements:							
.....							
.....							
.....							
Person in Charge							
I confirm that Person(s) Carrying Out the Work have the appropriate skills, knowledge, information, tools and equipment to perform the work safely. I further confirm that I have explained the permit conditions and control measures with the Person(s) Carrying Out the Work and have ensured these person(s) have received site orientation and general emergency procedures. It is safe to perform the work as defined above.							
Name & Company:		Phone:		Signature:		Date & Time:	
.....							
Person Carrying Out The Work ☐ Person in Charge is sole Person Carrying Out The Work (no extra signature required)							
I acknowledge that the permit conditions have been explained to me and by virtue of my signature I commit to adherence of the permit conditions. Each person working on the job must sign.							
☐ Persons Carrying Out The Work have signed on the documented risk control procedure (Safe Plan of Action) (check if applicable)							
Name & Company:		Signature:		Name & Company:		Signature:	
.....							
.....							
.....							
.....							
Section 4							
Hand-Over (Start of Work)							
Strategic Construction Solutions Authorized Designee / EHS Manager or EHS Representative							
I have reviewed the plan(s) to complete the described work and the hazards associated with this work are or will be controlled. I have checked the area(s)/system(s) where the work will be performed and I have not observed issues which should prevent the work from proceeding. I give authorization for the described work to proceed as per the conditions of this permit.							
• Are the Utility System owners informed?		☐ Yes		☐ NA			
• Are the Area Owners of possible affected area(s) informed?		☐ Yes		☐ NA			
• I have informed all affected Employees		☐ Yes		☐ NA			
Name & Company:		Phone:		Signature:		Date & Time:	

Section 5 **Hand-Back (End of Work)**

Person in Charge
All activities associated with this permit to work have been completed and the area has been left in a safe, clean and tidy condition.
Name & Company: Signature: Date & Time:

Area Owner or Authorized Designee/ EHS Manager or EHS Representative
I have verified, through in place inspection, that the activities associated with this permit have been completed and that the area has been left in a safe, clean and tidy condition.
Name & Company: Signature: Date & Time:

Section 6 **Extension of Validity**

I have verified that General Work Permit # or JHAstill applies, also when extension of validity of this Live Electrical Work permit is given.

Permit extension until (Date & time, max 7 days/ extension):	SCS Site Expert Electrical Person or Designee		Area Owner or Authorized Designee/ EHS Manager or EHS Representative		Person in Charge	
	Name:	Signature:	Name:	Signature:	Name:	Signature:
.....						
.....						
.....						

Nothing in this Permit shall cause the Strategic Construction Solutions to assume responsibility for any of the legal obligations of the Contractor performing the work under applicable laws or the requirements of the Agreement governing the work.

THIS WORK PERMIT MUST BE POSTED IN THE WORK AREA. UPON JOB COMPLETION THIS SIGNED PERMIT MUST BE MAINTAINED FOR 24 MONTHS.