

**ENERGIZED ELECTRICAL WORK PERMIT**  
per NFPA70E section 130.2.B.1&2.

TC no.

Customer No.

S.O. no.

date

**1 Description of circuit or equipment - location**

Cabinet Transformer

Pop top transformer

Other

**Comments or "other"**

**2 Description of work to be done**

Obtain Oil Sample

Visual Inspection

Other

SDM will be inside the restricted areas for shock and arc flash and therefore will be donning PPE for the energized sampling

**Justification of why unit cannot be done de-energized as required by Section 130.1.A.1**

- 3
- Customer can demonstrate that de-energizing introduces increased risk or increased hazard
  - Customer can demonstrate that shutting the unit down is infeasible due to equipment design or operational limitations
  - Equipment is under 50 volts

Comment

4 Customer has acknowledged no SUBSTITUTION AT THIS TIME as required by Section 110.1.H.3

5 **Safety and work practices to be followed.** SDM maintains strict SOPs and Policies regarding the use of this permit and the application of SOPS and Policies with respect to working inside Restricted Shock or Arc Flash boundaries

6 Transformer Specific Data

<input checked="" type="checkbox"/> Restricted Shock Boundary	KVA	<input type="text"/>
<input checked="" type="checkbox"/> Limited Shock Boundary		
<input checked="" type="checkbox"/> Incident Energy	Sampling Voltage	<input type="text"/>
<input checked="" type="checkbox"/> Arc Flash Boundary		

kva	≤ 750 V				☑ Box	> 750 V				☑ Box
	Restricted Shock Boundary (in)	Limited Shock Boundary (in)	Incident Energy Cal/cm2	AF Boundary (feet)		Restricted Shock Boundary (in)	Limited Shock Boundary (in)	Incident Energy Cal/cm2	AF Boundary (feet)	
<250	12	42	4	3.5	26	60	6.5	9.9		
250-500	12	42	4	3.5	26	60	6.0	9.4		
501-750	12	42	4	3.5	26	60	7.7	10.7		
751-1000	12	42	4	3.5	26	60	17.2	16.0		
1001-1500	12	42	4	3.5	26	60	12.3	13.6		
1501-2000	12	42	4	3.5	26	60	28.0	20.5		
2001-2500	12	42	4	3.5	26	60	73.2	33.1		
>2500	12	42	4	3.5	26	60	75.0	33.5		

  

8 cal PPE w/ Flash Shield, Balaclava, Sleeves, Hot Gloves, Blanket, Stab Covers
30 cal PPE with 40 cal Arc Flash Hood, Coveralls, Sleeves, Hot Gloves, Blanket and Stab Covers
No Energized TESTING

7 Means to restrict unauthorized access **Cones or caution tape or VERBAL or other (circle one)**

8 I agree all is safe (Signature of Tech) and am wearing the proper PPE

9 Authorized Signature