Section 1 - PROJECT INFORMA	TION			
☐ CPO Project No	FS Work Request No.		Phase	
Building	-	Room/Location		
FME Serial No	Name of Equipment			
Fed from			Drawing No	
			Drawing No	
Section 2 - HAZARD ANALYSIS				
Safety Hazard Review Checklist				
SAFE ACCESS TO WORKSITE				
☐ Ladder ☐ Scaffolding	☐ Roof ☐ Sewer ☐ Catwa	alk/Landing	☐ Suspended Ceiling	☐ Pit or Tunnel
POTENTIAL HAZARDS AND SAFE	GUARDS			
	rds Chemicals Compressed Ga			d Confined Spaces
☐ Electrical Powerline Overhead	☐ Electrical: damp/wet environmen	nt	old stress	
☐ Energized Equipment ☐ Me	chanical	c Steam		
Excavation, Trenching, Shoring	☐ Fall Hazards (workplan may be red	quired) 🗌 F	Fire Hazard	☐ Noise
☐ Materials handling (forklift, lift, l	noist, etc.)	hat)		
│	☐ Feet ☐ Hands ☐ Head	☐ Respiratory		
	Teet Thanks Treat	ricopiratory		
☐ Radiation ☐ Scaffolding	g ☐ Welding/Cutting			
Electrical Energy Source Hazar	ds for This Permit			
Check all that apply ☐ 120 volts ☐ 277 volts	☐ Emergency Power			
208 volts 480 volts	Less than 50 volts (permit may not	be required)		
☐ 240 volts ☐ DC	☐ Other (describe)	20 .0qu0u)		
Work To Be Performed (and wor	k practices to be used):			

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Justification for Energized work per WAC 296-24-975
□ EXEMPTION 1
De-energizing introduces additional or increased hazards. Examples include interruption of life support equipment, deactivation of emergency alarm systems, shutdown of hazardous location ventilation equipment, or removal of illumination for an area.
☐ EXEMPTION 2
De-energizing is infeasible due to equipment design or operational limitations. Examples include testing of electrical circuits that can only be performed with the circuit energized, and work on circuits that form an integral part of a continuous industrial process in a chemical plant that would otherwise need to be completely shutdown in order to permit work on one circuit or piece of equipment.
□ EXEMPTION 3
Live parts that operate at less than 50V to ground need not be de-energized if there will be no increased exposure to electrical burns or to explosion due to electric arcs.
Explain specifics for this work:
Special Instructions:

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Approach Boundaries to Live	Parts for Shock Protections (N	FPA 70E, Table 130.2 (C)		
System Voltage			Prohibited Approach Boundary	
☐ Less than 50V	not specified	not specified	not specified	
☐ 50V to 300V	3' 6" *	avoid contact	avoid contact	
☐ 301V to 750V	3' 6" *			
☐ 751V to 15 kV	5' 0" *			
☐ 5.1kV to 35kV	6' 0" *	2' 7"	0' 10"	
☐ 36.1kV to 46kV	8' 0" *	2' 9"	1' 5"	
☐ 46.1kV to 72.5kV	8' 0" *	3' 2"	2" 1"	
☐ 72.6kV to 121kV	8' 0" **	3' 3"	2' 8"	
☐ 138kV to 145kV	10' 0" ***	3' 7"	3' 1"	
* If any conductors are moveable, the limited approach distance is 10'. ** If any conductors are moveable, the limited approach distance is 10' 8". *** If any conductors are moveable, the limited approach distance is 11' 0".				
Multiply single phase voltages by 1.73 to obtain correct voltage level to be used (NFPA 70E C.2.11) Limited Approach Boundary Approach limit at a distance from a live part within which a shock hazard exists.				
Restricted Approach Boundary Approach limit at a distance from an exposed live part within which there is an increased risk of shock, due to eletrical arc-over, combined with inadvertent movement, for personnel working close to the live part.				
Prohibited Approach Boundary				
The approach limit at a distance from a live part within which work is considered the same as making contact with the live part.				
Flash Hazard Analysis (NFPA 70E.130.3 [A]) Contact Facilities Services Engineering Services to fill out this section if work does not meet the less than 600V or .1 sec. clearing time.				
Flash Protection Boundary <i>(check method used to determine boundary)</i>				
☐ 4' 0" (systems less than 600 volts, with 0.1 second clearing time; lbf<50kA, or 5000 A-sec)				
☐ Other (please state the so	urce or attach the work performed	to derive the boundary).		
Fault Clearing Device (name) Description				
Manufacturer/Model/Type				
Clearing time, seconds				
The person completing this section must complete the Authorization (Section 6)				

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Hazard/Risk Level Determination				
Method Used:				
Available short circuit faul	It current is less than 10,000 amp	s. (Identify source of cal	culated value)	_
☐ From NFPA 70E Table 13	0.7(C) (9) (A)			
Other (describe)				
Hazard/Risk Level: ☐ -1 ☐	0 1 2 3] 4		
At distance	of:		_	
Section 3 - PERSONAL AND		PMENT		
Personal Protective Equipm	nent !.7(C) (10) and check all ti	hat annly:		
use WITA TOL TUDIE 150.		CAL RATING		CAL RATING
☐ Pants	☐ FR Long Sleeve Shirt		☐ FR Flash Suit Pants	
☐ Natural Fiber Clothing	☐ FR Pants		☐ FR Hard Hat	
☐ Eye Protection	☐ FR Coverall		☐ FR Safety Goggles	
☐ T-shirt (short)	☐ FR Jacket		☐ Arc-rated Face Shield	
☐ Long Sleeve Shirt	☐ FR Flash Suit Jacket		☐ Flash Suit Hood	
☐ Hearing Protection	☐ Leather Gloves		☐ Protective Footwear	
No jewelry or metal object	ts can be worn or carried in	pockets while comp	leting work requiring an o	energized work
permit. This includes wed	ding rings, necklaces, watch	nes, earrings, keys, c	coins, pocket knives, etc.	
Other Protective Equipment				
Insulated tools and equipment r	required per NFPA 70E Table 130.	.7(C) (9) (A)		
☐ Insulated Tools ☐ Fiberglass-Reinforced Plastic Rods ☐ Rubber Insulating Equipment				uipment
☐ Fuse or Fuse Holding Equipment ☐ Portable Ladders ☐ Voltage Rated Plastic Guard Equipmen				
☐ Ropes and Hand Lines ☐ Protective Shields ☐ Physical or Mechanical Barriers			al Barriers	
Section 4 - SITE CONTROL AND SUPPORT				
Worksite Control				
☐ Locked Access ☐ Barrier Tapes, Stanchions ☐ Other				
☐ Electrical Hazard Signs ☐ Attendant				
Worker Support Required				
☐ Safety Watch Required				
Means of emergency communication (check all that apply).				
☐ Radio ☐ Cell Phone ☐ Phone				

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Section 5 - WORK SCHEDULE AND PERSONNEL			
Schedule			
mo. day year mo. day year			
Date(s) to	Hours		
mo. day year			
Permit Expiration Date (not to exce	ed one year from start date).		
Personnel			
Signatures are not required until the work	briefing is complete.		
QUALIFIED PERSON			
☐ Performing Work ☐ Safety Watch			
Reviewed Hazard Analysis Yes No			
Completed Job Briefing			
Agrees to Requirements ☐ Yes ☐ No			
Name (PRINT LEGIBLY)		<u></u>	
Signature	Date		
QUALIFIED PERSON		-	
☐ Performing Work ☐ Safety Watch			
Reviewed Hazard Analysis			
Completed Job Briefing			
Agrees to Requirements ☐ Yes ☐ No			
Name (PRINT LEGIBLY)			
Signature	Date		
SUPERVISOR			
Prepared Hazard Analysis	☐ Yes ☐ No		
Completed Job Briefing	☐ Yes ☐ No		
Verified Employees are qualified to do this work	☐ Yes ☐ No		
Name (PRINT LECIPLY)			
Name (PRINT LEGIBLY)			
Signature	Date		
NOTE:			
If any unexpected energy is found, or equipment	has been modified since the permit was issue	ed, the permit is VOID .	
Section 6 - AUTHORIZATION OF ENERGIZED ELEC	CTRICAL WORK PERMIT		
Supervisor, Lead or Electrical Engineer (FS Engineering Services)			
Completed and/or reviewed Flash Hazard Analysis			
Comments:			
Name (PRINT LEGIBLY)			
Signature	Date		

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Responsible Supervisor Authorizing	ng Work	
Reviewed Flash Hazard Analysis	☐ Yes	No
Agreed to Justification	☐ Yes	No
Comments		
Name (PRINT LEGIBLY)		
Signature		Date
Manager Authorizing Work		
Reviewed Flash Hazard Analysis	☐ Yes	No
Agreed to Justification	☐ Yes	No
Comments		
Name (PRINT LEGIBLY)		
<u> </u>		
Signature		Date

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