

Electrical Systems Approval FormFor use at Argonne National Laboratory

SECTION 1 - EQUIPMENT DATA:	
Division:	Responsible Person:
System Name:	Date Built: Date last modified:
Manufacturer:	Number of pieces of equipment:
Equipment Location: Building: Room:	Label Number:
NOTE: Serial numbers and Argonne property nu	ımbers to be recorded in separate database.
System Description:	
Cubayatana	
Subsystems	
CECTEVONA MAZARDA CCECCAMENTE	
SECTION 2 - HAZARD ASSESSMENT: Determine all electrical and non-electrical hazards that	at could injure an employee, including the operation and
maintenance workers.	J
1. Electrical hazard classification	
2. Stored electrical energy in capacitors (E and V)	
capacitors (E and V)	
3. Batteries, including UPSs	
4. Electromagnetic fields produced (dc to 300 GHz, pulsed)	
(de to 300 GHz, puised)	
5. Infrared, optical and ultraviolet	
6. X-Rays	
7. Heat and sparks	
8. Acoustical energy	
9. Stored mechanical energy	
10. Other (chemical, high pressure,	
cryogen, water, etc.)	

SECT	ION 3 - EVALUATIO	ON FOR OPERATION:			
		ipment is free from recogni loyees during system opera		that are likely to cause death or R 1910.303 (b)].	Approve
1. Enc	losure, isolation. No e	exposed hazardous energize	d conductor	rs, no unused openings.	
2. Grou	anding. All conductive e	nclosures exposed to personne	l are properly	grounded.	
3. Over	current protection. Prov	ision for overload, ground fau	lt and short ci	ircuit protection.	
4. Failu	re analysis. Adequate el	ectrical and fire protection sys	stems for failu	ure modes.	
5. Oper	ration safety analysis and	controls documented.			
6. Syste	em is labeled as approved	1.			
7. Othe	r - explain.				
		ON FOR WORKING ON			
				r into and work on the system.	
1. Meth	nods of energy isolation (e.g., plug control, LOTO, Kirl	k key).		
2. Auto	matic methods of stored	energy removal.			
3. Prop	er design for the manual	removal and/or verification of	capacitively	stored energy.	
4. Docu	umentation for entry and	work on system.			
INST	RUCTIONS PROVII	DED BY THE DESIGNER	R/BUILDEI	CCORDANCE WITH THE R. ictions on use, drawings or information	that is
		ad use of this equipment.)	uctions, resur	ictions on use, drawings of information	illat is
	-			roved for installation and use at A	rgonne.
		d for use at Argonne. (Se removed from service at A		s above)	
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		ODIFIED, DAMAGED OF VAL IS VOID, PENDING		ED IN A MANNER THAT AFFE MNATION.	CIS
	Inspection Date:	Inspector (Name):		Inspector (Signed):	
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List tests performed rel	SECTION 5 - SPECIFIC TESTS PERFORMED FOR APPROVAL:				
List tests performed fer	evant to safety. This primarily applies to new systems.				
SECTION 6 - IMM	EDIATE IMPROVEMENTS				
	(with a due date) and compensatory measures taken in the meantime.				
Required modifications	· (···································				
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