EMERGENCY AND STANDBY POWER SYSTEMS INSTALLATION ACCEPTANCE

Reference: 2010 Edition Emergency and Standby Power Systems National Fire Protection (NFPA 110) Section 7.13

ON-SITE INSTALLATION TEST

1.	With the prime mover in a "cold start" condition and the emergency load at the standard operating level, a primary power failure shall be initiated by opening all switches or breakers supplying the primary power to the building or facility. The test load shall be that load that is served by the EPSS.		
2.	Was the time delay on starting observed and recorded?		YES NO seconds
3.	Was the cranking time until the prime mover starts and runs observed and recorded?		YES NO seconds
4.	Was the time required to reach operating speed observed recorded?		YES NO seconds
5.	What were the voltage and frequency overshoot?		voltage frequency
6.		was the time taken to achieve a steady-state condition with all use transferred to the emergency position?	
7.	What were the voltage, frequency, and amperes?		voltage frequency amperes
8.	What where the prime mover oil press recorded, where applicable, and the ba minute intervals for the first 15 minute thereafter?	ttery charge rate recorded at 5	5 minutes oil pressure water temperature battery charge rate
	10 minutes oil pressure water temperature battery charge rate	15 minutes oil pressure water temperature battery charge rate	30 minutes oil pressure water temperature battery charge rate
	45 minutes oil pressure water temperature battery charge rate	60 minutes oil pressure water temperature battery charge rate	1 hour – 15 minutes oil pressure water temperature battery charge rate
	1 hour – 30 minutes oil pressure water temperature battery charge rate	1 hour – 45 minutes oil pressure water temperature battery charge rate	2 hours oil pressure water temperature battery charge rate

9.	Was a load test with building load, or othe intended load continued for the minimum maximum, observing and recording load effect on voltage and frequency?	time for the class, or 2 hours	YES NO
10.	Record the time delay when the primary power is returned to the building or facility, on retransfer to normal for each switch. (Minimum setting 5 minutes.)		minutes
11.	Record the time delay on the prime mover cooldown period and shutdown.		minutes
12.	After completion of the above test, the pri	ime mover shall be allowed to	cool for 5 minutes.
13.	Was a 2 hour, full load test conducted? NFPA 110.7.13.4.3 YES NO		
	The building load can be permitted to serve sufficient size to provide a load equal to 1 applicable derating factors for site conditions.	00 percent of the nameplate K	
14.	Has a crank test been conducted per the manufacturer's recommendations? NFPA 110, 7.13.4.4		YES NO
15.	When was the system tested?	Date	
	Who conducted the testing?		
	Did anyone witness the test?	YES NO	
		Name	
16.	Name of person completing report?		
		Please Print	Phone #
		Signature	
Please return to: South Dakota Department of Health Office of Licensure & Certification 600 E. Capitol		Name of Firm	Phone #
Pierre, SD 57501(605) 773-3356 (605)773-6667 Fax		e-mail address	