## EMERGENCY AND STANDBY POWER SYSTEMS INSTALLATION ACCEPTANCE

Reference: 2002 Edition Emergency and Standby Power Systems National Fire Protection Association (NFPA 110) Section 7.13

Facility\_\_\_\_\_ City\_\_\_\_\_

ON-SITE INSTALLATION TEST

1.	With the prime mover in a "c load at standard operating lev initiated by opening all switch power to the building or facil is served by the EPSS.			
2.	Was the time delay on startin	□ YES □ NO seconds		
3.	Was the cranking time until the observed and recorded?	□ YES □ NO seconds		
4.	Was the time required to reach operating speed observed and recorded?		□ YES □ NO seconds	
5.	What were the voltage and frequency overshoot.		voltage frequency	
6.	What was the time taken to a switches transferred to the en	seconds		
7.	What were the voltage, frequency, and amperes?		<pre>voltage frequency amperes</pre>	
8.	What were the prime mover oil pressure and water temperature recorded, where applicable, and the battery charge rate recorded at 5 minute intervals for the first 15 minutes, and at 15 minute intervals thereafter?		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       1 hour - 45 minutes         oil pressure       oil pressure         water temperature       water temperature         battery charge rate       battery charge rate	2 hours oil pressure water temperature battery charge rate
9.	Was a load test with building load, or other loads that simula intended load continued for the minimum time for the class, hours maximum, observing and recording load changes and t resultant effect on voltage and frequency.	or 2
10.	Record the time delay when the primary power is returned to building or facility, on retransfer to normal for each switch. (Minimum setting 5 minutes).	the minutes
11.	Record the time delay on the prime mover cooldown period a shutdown.	and minutes

12. After completion of the above test, the prime mover shall be allowed to cool for 5 minutes.

13. Was a 2-hour, full load test conducted? NFPA 110, 7.13.6 $\Box$ YES $\Box$ NO
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The building load can be permitted to serve as part of the load, supplemented by a load bank of sufficient size to provide a load equal to 100 percent of the nameplate kW rating of the EPS, less applicable derating factors for site conditions.

14.	Has a crank test been conducted per the n recommendations? NPFA 110, 7.13.9	□ 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 #	
S (	Please return to: South Dakota Dept of Health Office of Licensure and Certification	Signature		
I	515 E 4th St Pierre, SD 57501-1700 605)773-3356 (605)773-6667 Fax	Name of Firm	Phone #	

E-mail Address