## **Emergency Generator Weekly Inspection**

Year:	System:							 	 	 -
Location:								 		
Y = Satisfactory	sfactory N = Unsatisfactory (explain below) N/A = Not applicable									
Date										
Inspector										
Check fuel tank fuel su	pply level									
Inspect the dry tank le	vel									
Inspect and operate th	e dry tank float switch									
Inspect and operate th	e supply or transfer pump									
Inspect and operate th	e solenoid valve									
Check for water in the	fuel system									
Check the flexible hose	and connectors									
Check the oil level in th	ne engine									
Check the lube oil hea	ter for operation									
Check the level of the	cooling system for the engine									
Check the cooling water	er to the heat exchanger for adequacy									
Check the adequacy of	fresh air through the radiator									
Check the water pump	<del>-</del>									
Check the flexible hose										
Check the water-jacket	heater									
Check the exhaust syst										
Check the drain conde										
Check the electrolyte l	•									
Check the electrical sys										
Inspect the engine										
	ng in the generator room and fuel supply									
tank	117									
Inspect the generator										
Comments								 		
								 	 	 -

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## **Emergency Generator Monthly, Quarterly, and Annual Inspection**

Year:System:						 	
Location:						 	
Y = Satisfactory N = Unsatisfactory (explain below)		N/A	= Not ap	plicable			
Monthly							
Date							
Inspector							
Inspect and check the fan and alternator belts							
Inspect the battery charger and charger rate							
Check to see that the battery charge is equalized							
Inspect and check the circuit breakers and fuses							
Inspect and test the governor oil level and linkage							
Quarterly					<del></del>		
Inspector							
Inspect the crankcase breather							
Inspect the exhaust system insulation							
Inspect and test that battery terminals are clean and tight							
Inspect and check for wire chafing where subject to movement							
Annually Date	T						
Inspector							
Check tank vents and overflow piping for obstructions							
Inspect fuel piping							
Inspect louver motor and controls							
Inspect exhaust system hangers and supports							
Inspect transfer switch main contacts							
Check the ignition system of the engine							
Comments							 
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							 •

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## **Test of Emergency Standby Power Systems**

Year:System:													
Location:													
= Satisfactory N = Unsatisfactory (explain below)					N/A = Not applicable								
Date													
Inspector													
Test each battery powered unit so that the laps operate for seconds													
Test the emergency generator batteries for specific gravity state of charge	or												
Operate the emergency generator with no load													
Operate the transfer switch													
Semi-Annually													
Date													
Inspector													
Test the antifreeze protection level													
Test the operation of safeties and alarms													
Test emergency generator greater than 600 V under full	load or	und	er										
bank-load full load													
Annually													
Date													
Inspector													
Test the tank vents and overflow piping													
Test the louver motors and controls													
Test the exhaust system for excessive back pressure													
Test the ignition system—plugs, points, cap, roto, secondary wire insulation													
Test injector pump and injectors													
Measure and record resistance readings of windings with insulation tester (Megger)													
Exercise the circuit breakers													
Test each battery powered unit for 90 minutes													
Test the emergency generator under full load or under bank-													
load full load													
Comments													
												-	

Ref No: EL/TESPS/17/SSCL/01



#### **Emergency Generator Maintenance**

Year:												
Location:												
Y = Satisfactory	N = Unsatisfactory (explain below)				N/A = Not applicable							
Weekly												
Date												
Inspector												
Clean water from the fuel system												
Monthly												
Date												
Inspector												
Remove corrosion	and clean and dr	y battery case										
Quarterly  Date												
Inspector												
Clean the strainer	, filter, and dirt le	g										
Clean the crankca												
Comments												

Ref No: EL/EGM/17/SSCL/01



### **Emergency Generator Semi-Annual and Annual Maintenance**

Year:	System:		
Location:			
Y = Satisfactory	N = Unsatisfactory (explain below)	N/A = Not applicable	
Semi-Annually			
Date			
Inspector			
Clean electrical boxes	s, panels, and cabinets		
Service the air cleane	er for the engine		
Inspect the brush len	gth and ability to move in holder		
Annually			
Date			
Inspector			
Rod out the heat exc	hanger		
Clean the exterior of	the radiator		
Clean louver motors	and controls		
Clean the main conta	ncts of the transfer switch		
Inspect and clean the	commutator and slip rings for generator		
Inspect and clean the	e rotor and stator for generator		
Clean bearings and b	earing grease for generator		
Inspect and clean the	e voltage regulator		
Comments			

Ref No: EL/EGSAAM/17/SSCL/01