Pacific Gas and Electric Company®

Battery Maintenance Log Sheet

CGT
F14293-3
6/05

Date		Battery Mfr.		Installation Job#	
Station Name		Battery Model		Maint. Tech.	
Battery Name		Date Installed		Pilot Cell #	

Complete the following visual inspections monthly/quarterly (VRLA):

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Inspect cleanliness of battery, rack, and surrounding area. Clean as necessary.												
Inspect terminals, connectors, and racks for corrosion. Clean as per mfr. instructions.												
Ensure that ventilation system is operating properly.												
Check for cracks in jars and/or electrolyte leakage.												
Check for gassing (flooded cells).												
Check electrode plates for cracks, sulfating, or sediment formation (flooded cells).												
Check electrolyte levels. Add distilled water as necessary.												

Record the following measurements monthly/quarterly (VRLA):

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Overall Float Voltage												
Pilot Cell Voltage												
Pilot Cell Temperature												
Pilot Cell Specific Gravity												
Battery Room Temperature												
Charger Output Voltage												
Charger Output Current												

Notes/Comments/Recommendations/Corrective Actions:

Complete this table following installation, annually, and following special events for all cells.

Cell No.	Volts	Temp (1)	S.G. (2)	Micro-ohms	Cell No.	Volts	Temp (1)	S.G. (2)	Micro-ohms	Cell No.	Volts	Temp (1)	S.G. (2)	Micro-ohms
1					21					41				
2					22					42				
3					23					43				
4					24					44				
5					25					45				
6					26					46				
7					27					47				
8					28					48				
9					29					49				
10					30					50				
11					31					51				
12					32					52				
13					33					53				
14					34					54				
15					35					55				
16					36					56				
17					37					57				
18					38					58				
19					39					59				
20					40					60				

Notes: (1) Take the temperature of flooded cells with a thermometer inserted into the electrolyte. Take VRLA cell temperatures at the negative terminal, using a thermal infrared detector.
(2) S.G. stands for specific gravity. Measurements can only be taken on flooded cells.

Complete this checklist annually.

Check inter-cell resistance using an Alber Cellcorder or micro-ohmmeter.	
Torque inter-cell connectors as necessary and re-check intercell resistance. If still high, see Attachment 1 of this guideline, Section A, Item 11.	
Check for clogged flame arrestors (flooded cells).	
Check for excessive jar/cover distortion (VRLA).	
Check for unintentional battery grounds.	

Notes/Comments/Recommendations/Corrective Actions: