Pacific Gas and Electric Company

CATHODIC PROTECTION STATION REPORT

(Form must be completed in Non-erasable ink)

GT&D
01/09
FO-16-C

☐ **Transmission** ☐ **Distribution** ☐ **Both**

PREVENTIVE MAINTENANCE NO. (FM OR PLM)	AREA	DIVISION/DISTRICT	LOCAL OFFICE	CP. SYSTEM NO.

RECTIFIER

LOCATION		CITY	
MANUFACTURER	TYPE	MODEL	SERIAL NO.
PRIMARY RATING VOLTS		ACTUAL PRIMARY VOLTAGE VOLTS	
SECONDARY RATING AMPS VOLTS	INITIAL DC SETTING AMPS VOLTS	DATE PLACED IN OPERATION	

ANODE

NUMBER OF ANODES	WEIGHT AND/OR SIZE
TYPE OF ANODE	BACKFILL USED / AMOUNT USED /

CIRCUIT RESISTANCE (for deep well anodes only)

TOTAL CIRCUIT RESISTANCE = VOLTAGE / CURRENT (R=E/I)	OHMS

SOIL RESISTIVITY (for shallow bed anodes only)

PIN SPACING (FEET)	OHMS	MULTIPLIER	OHM-CM
2.5		500	
5.0		1,000	
7.5		1,500	
10.0		2,000	
15.0		3,000	

STRUCTURE PROTECTED	WALL MAP	PLAT	BLOCK

SHOW LOCATION OF RECTIFIER AND ANODE(S) AND PERTINENT DIMENSIONS

DATE	PREPARED BY	LAN ID

[redacted] [redacted]

DATE	REVIEWED BY	LAN ID

[redacted] [redacted]

"CATHODIC PROTECTION STATION REPORT" Instructions

RECORD

Transmission/Distribution/Both:	Check the appropriate box for the type of gas facility that the rectifier is protecting.
Preventative Maintenance No.:	Record the rectifier's preventative maintenance number, FM or PLM.
CP System No.:	Record the cathodic protection system number for the rectifier.
Area/Division/District/Local Office:	Record the names of the area, division, district, and local office where the rectifier is located.

RECTIFIER

Location:	Provide details of the rectifier's location.
City:	Record the name of the city.
Manufacturer/Type/Model/Serial No.:	Complete the rectifier manufacturer's information.
Primary Rating:	Record the unit's input voltage rating per manufacturer's specifications.
Actual Primary Voltage:	Complete the unit's input actual primary voltage rating as measured in the field.
Secondary Rating:	Record the unit's maximum secondary amperage and voltage ratings per the manufacturer.
Initial Setting:	Record the rectifier's initial setting (amperage and voltage).
Date Placed in Operation:	Record the month, day, and year when the rectifier was placed in operation.

ANODE

Number, Weight and/or Size:	Record the number of anodes, weight (or size) in pounds, type (material), backfill used, and the amount of backfill used.

CIRCUIT RESISTANCE

Circuit Resistance:	Rectifier Voltage divided by Rectifier Current (R=E/I) in OHMS.

SOIL RESISTIVITY

Soil Resistivity:	Record soil resistivity readings based on ohm readings and pin spacing in OHMS/CM
Location Sketch:	Include a detailed sketch of the location of the rectifier and the anodes. Ensure the sketch is precise enough to enable a person to locate those structures in the field.
Date/Prepared by:	Record the date, name and LAN ID of the person who conducted the Cathodic Protection Station Report.
Date/Reviewed by:	Record the date, name and LAN ID of the person who reviewed the Cathodic Protection Station Report.

[redacted] [redacted]