

80-21-PGE

109 P

609.1 P

613.2 P

PACIFIC GAS AND ELECTRIC COMPANY

PG&E



245 MARKET STREET • SAN FRANCISCO, CALIFORNIA 94106 • (415) 781-4211 • TWX 910-372-6587

April 1, 1980

Local Union No. 1245
International Brotherhood of
Electrical Workers, AFL-CIO
P. O. Box 4790
Walnut Creek, California 94596

Attention: Mr. Dean Cofer, Business Manager

Gentlemen:

At the time that the new Apprentice Equipment Mechanic Training Program was adopted, Company had not developed a suitable final examination for the two-week arc welding training period.

To maintain safe and quality welding in the Company's garage facilities, the Automotive and Equipment Department developed the attached final examination. It consists of position butt welding 8" pipe and horizontal and vertical fillet welds on 1/2" plate. These welding tasks simulate actual welding encountered on the job.

Company proposes to amend the Apprentice Equipment Mechanic Training Program as per the attached.

If you are in accord with the foregoing and the attachment and agree thereto, please so indicate in the space provided below and return one executed copy of this letter to Company.

Yours very truly,

PACIFIC GAS AND ELECTRIC COMPANY

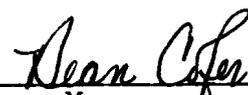
By 

Manager of Industrial Relations

The Union is in accord with the foregoing and it agrees thereto as of the date hereof.

LOCAL UNION NO. 1245, INTERNATIONAL
BROTHERHOOD OF ELECTRICAL WORKERS, AFL-CIO

_____, May 14, 1980

By 

Business Manager

GRADING

A passing grade on each of the Standards of Achievement will be required for you to be considered for progression to the next higher wage step. The four Standards of Achievement are as follows:

1. A seventy five percent or better average score on the weekly lesson test grades.
2. A seventy five percent or better score on the final examination.
3. Passing all required task performance tests.
4. Passing the Primary Welding Qualification test.
- Add 5. Passing the Arc Welding Qualification test.

Note: Items 4 and 5 are applicable only in the 6 months that they attend welding school.

Failure to meet all of the Standards of Achievement will result in the application of Section 6 of the Master Apprenticeship Agreement.

Part 1 - Average of Weekly Lesson Test Grades

Each week you will be given a written test covering the lesson material. Your instructor will record your test grade on the Academic Progress Chart. At the end of the six-month period these test grades will be averaged and the average grade entered on the chart. The average grade must be seventy five percent or more to pass. Keep the graded tests in the section provided at the back of this manual. Use them to study for the final examination.

Part 2 - Final Examination Grade

Upon completion of all of the weekly lessons in a six-month period you will be given a written final examination. The examination will be given by the Division Personnel Department and sent to the General Office Automotive and Equipment Department for grading. The grade must be seventy five percent or more to pass. The graded test

GRADING (Continued)

will be returned to the Division Personnel Department and the grade entered on your Academic Progress Chart. The graded test will be held by the Division Personnel Department for 15 working days and then returned to the General Office Automotive and Equipment Department. If you wish to review the test you must make arrangements with your instructor to do so during that time.

Part 3 - Task Performance Tests

During each six-month period you will be tested on your ability to perform a number of specified tasks. A standard Task Performance Test form will be used by your instructor to test your performance. You will be required to pass all of these tests.

~~Part 4 - Primary Welding Qualification Test~~

~~Upon completion of 2 weeks of oxy-acetylene welding training you will be given a qualification test. You will be required to pass this test.~~

~~Part 5 - Arc Welding Qualification Test~~

~~Upon completion of 2 weeks of arc welding training you will be given a qualification test. You will be required to pass this test.~~

Part 4 - Primary Welding Qualification Test

- a) Upon completion of 2 weeks of oxy-acetylene welding training you will be given a qualification test. You will be required to pass this test at the conclusion of the school and should you fail to receive a passing score, you will be given an immediate retest. Failing the retest you will be given notice in writing of the areas which caused your failure.
- b) After such failure, you shall return to your work headquarters for one month of special training on those matters which caused your failure to attain a satisfactory rating. This training may consist of special work or training assignments, as required. During the 3 month extension granted in accordance with Section G4 of the Manter Apprenticeship Agreement, you will be given up to three additional opportunities to pass the final examination.
- c) Failing to achieve a passing grade after such special training will be cause for your removal from the classification.

Part 5 - Arc Welding Qualification Test

- a) Upon completion of 2 weeks of arc welding training you will be given a qualification test. You will be required to pass this test.
- b) Same.
- c) Same.

Eight Day

- A. Cut and bevel 6" and 8" pipe and butt weld in position

Ninth Day

(Same as eighth day)

(Add)

Tenth Day

Welding Qualification Test

Trainees will be required to pass the following qualification test. This test will be given at the conclusion of the arc shop training. The test will consist of the following:

- A. Position Butt Weld on 8" Pipe

Maximum time allowance -- 60 minutes

Test: Four coupons shall be cut from the weld, one from the top, one from the bottom, and one from each side. Each shall be 1-1/4" in width. All four coupons shall be subject to the Root Bend Test. If, as a result of this test a crack develops in the weld or between the weld and the base metal more than 1/8" long in any direction, this shall be cause for rejection. Cracks occurring on the corner of the specimen during testing shall not be considered. If no more than one coupon is rejected, the weld is to be considered acceptable.

- B. Vertical Position Filet Weld on 1/2" Plate

Maximum time allowance -- 45 minutes

Visual inspection -- Weld must show good root penetration and uniform fusion.

- C. Horizontal Position Filet Weld

Maximum time allowance -- 45 minutes

Test: Same as specified under "B".

APPRENTICE EQUIPMENT MECHANIC TRAINING PROGRAM

Arc Welding Qualification Test

Name _____ Division _____ Date _____

A. Position Butt Weld--8" Pipe Passed/Failed _____
 Time Started _____ Time Finished _____ Time _____

TYPE TEST ROOT BEND	PENETRATION	FUSION	POROSITY	SLAG INCLUSION	REMARKS	TEST RESULTS PASSED/FAILED
Top						
Side						
Side						
Bottom						

B. horizontal position fillet weld--1/2" plate Passed/Failed _____
 Time started _____ Time Finished _____ Time _____

Remarks: _____

C. Vertical Position Fillet Weld--1/2" Plate Passed/Failed _____
 Time started _____ Time Finished _____ Time _____

Remarks: _____

KEY: Use following in Penetration, Fusion, Porosity and Slag Inclusion columns, if bend test is failed.
 E=Excellent G=Good B=Barely Satisfactory U=Unsatisfactory

Use following in Remarks column, as applicable.
 1=Undercutting 4=Insufficient Weld Reinforcement
 2=Overlapping 5=Excessively Deep Wash Lines
 3=Excessive Weld Reinforcement 6=Burn Through

Maximum Time Allowance For Test Welds At Conclusion of arc Shop Training
 8"---60 minutes horizontal fillet weld---45 minutes vertical fillet weld---45 minutes

 TEST INSPECTOR