



LETTER AGREEMENT

No. 90-166-PGE



Pacific Gas and Electric Company
Industrial Relations Department
215 Market Street
San Francisco, California 94106
[415] 973-1125

International Brotherhood of
Electrical Workers, AFL-CIO
Local Union 1245, IBEW
P.O. Box 4790
Walnut Creek, California 94596
[415] 933-6060

Richard Bradford, Manager

Jack McNally, Business Manager

July 12, 1990

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

Attention: Mr. Jack McNally, Business Manager

Gentlemen:

Company proposes pursuant to Section 109.2 to amend the Apprentice Machinist training program at Diablo Canyon. The Company proposes to change Section VI of the Administrative Guidelines. The revision is changing text book and restructuring the lesson plan. The revised Section VI is attached.

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

Very truly yours,

PACIFIC GAS AND ELECTRIC COMPANY

By Richard B. Bradford
Manager of Industrial Relations

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

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

March 29, 1991

By Jack McNally
Business Manager

:hbh

ATTACHMENT

SECTION VI

APPRENTICE MACHINIST TRAINING PROGRAM

COURSE: Machine Tool Operation

TEXT: Machine Tool Practices, Kibbe/Neely/Meyer/White, Third Edition.

STUDENT WORKBOOKS: Machine Tool Practices, Neely, Third Edition.

SCHEDULED TIME FOR COMPLETION: Twenty Four (24) Months.

COURSE PROCEDURE:

1. All lesson and scheduled examinations are "CLOSED BOOK".
2. Textbook lesson assignments: Read the assigned lesson material in the textbook. Complete the appropriate "Self-Tests" and review them with your Instructor.
3. Student Workbook assignments:
4. Scheduled Examinations:

SECTION VI

Text - Machine Tool Practices
Section I - TURNING MACHINES

Lesson No.	Subject / Title	Section / Unit
1	The Engine Lathe.	Sec. I , Unit 1
2	Toolholders and Toolholding for the Lathe.	Sec. I , Unit 2
3	Cutting Tools for the Lathe.	Sec. I , Unit 3
4	Lathe Spindle Tooling.	Sec. I , Unit 4
5	Operating the Machine Controls.	Sec. I , Unit 5
6	Facing and Center Drilling.	Sec. I , Unit 6
7	Turning Between Centers.	Sec. I , Unit 7
8	Alignment of the Lathe Centers.	Sec. I , Unit 8
9	Other Lathe Operations.	Sec. I , Unit 9
10	Sixty Degree Thread Information and Calculations.	Sec. I , Unit 10
11	Cutting Unified External Threads.	Sec. I , Unit 11
12	Cutting Unified Internal Threads.	Sec. I , Unit 12
13	Cutting Tapers.	Sec. I , Unit 13
14	Using Steady and Follower Rests.	Sec. I , Unit 14
15	Additional Thread Forms.	Sec. I , Unit 15
16	Cutting Acme Threads on the Lathe.	Sec. I , Unit 16

Examination No. 1 , Covering Section I ; Lessons 1 thru 16

SECTION VI

Text - Machine Tool Practices
Section J - VERTICAL MILLING MACHINES

Lesson No.	Subject / Title	Section / Unit
17	The Vertical Spindle Milling Machine.	Sec. J , Unit 1
18	Cutting Tools and Cutter Holders for the Vertical Milling Machine.	Sec. J , Unit 2
19	Setups on the Vertical Milling Machine.	Sec. J , Unit 3
20	Vertical Milling Machine Operations.	Sec. J , Unit 4
21	Using the Offset Boring Head.	Sec. J , Unit 5

Examination No. 2 , Covering Section J ; Lessons 17 thru 21

Text - Machine Tool Practices
Section K - HORIZONTAL MILLING MACHINES

Lesson No.	Subject / Title	Section / Unit
22	Plain and Universal Horizontal Milling Machines.	Sec. K , Unit 1
23	Types of Spindles, Arbors, and Adapters.	Sec. K , Unit 2
24	Arbor-Driven Milling Cutters. Machine.	Sec. K , Unit 3
25	Work-Holding Methods and Standard Setups.	Sec. K , Unit 4
26	Machine Setup and Plain Milling.	Sec. K , Unit 5
27	Using Side Milling Cutters.	Sec. K , Unit 6
28	Using Face Milling Cutters on the Horizontal Milling Machine.	Sec. K , Unit 7

Examination No. 3 , Section K ; Lessons 22 Thru 28.		

Text - Machine Tool Practices
Section L - ROTARY TABLES AND INDEXING DEVICES

Lesson No.	Subject / Title.	Section / Unit
29	Setup and Operation of Indexing Heads and Rotary Tables.	Sec. L , Unit 1
30	Direct and Simple Indexing.	Sec. L , Unit 2
31	Angular Indexing. Machine.	Sec. L , Unit 3

Text - Machine Tool Practices
Section M - GEARS AND GEAR CUTTING

Lesson No.	Subject / Title	Section / Unit
32	Introduction to Gears.	Sec. M , Unit 1
33	Spur Gear Terms and Calculations.	Sec. M , Unit 2
34	Cutting a Spur Gear.	Sec. M , Unit 3
35	Gear Inspection and Measurement.	Sec. M , Unit 4

Examination No. 4 , Covering Sections L & M ; Lessons 29 thru 35

Text - Machine Tool Practices
Section N - GRINDING AND ABRASIVE MACHINING PROCESSES.

Lesson No.	Subject / Title	Section / Unit
35	Selection and Identification of Grinding Wheels.	Sec. N , Unit 1
36	Trueing, Dressing, and Balancing of Grinding Wheels.	Sec. N , Unit 2
37	Grinding Fluids.	Sec. N , Unit 3
38	Horizontal Spindle Reciprocating Table Surface Grinders.	Sec. N , Unit 4
39	Work-Holding on the Surface Grinder.	Sec. N , Unit 5
40	Using the Surface Grinder.	Sec. N , Unit 6
41	Problems and Solutions in Surface Grinding.	Sec. N , Unit 7
42	Center-Type Cylindrical Grinders.	Sec. N , Unit 8
43	Using the Cylindrical Grinder.	Sec. N , Unit 9
44	Universal Tool and Cutter Grinder.	Sec. N , Unit 10

Text - Machine Tool Practices
Section O - ADVANCED MACHINING PROCESSES.

Lesson No.	Subject / Title	Section / Unit
45	Nontraditional Machining Processes.	Sec. O , Unit 4

Examination No. 5 , Covering Sections N & O ; Lessons 35 thru 45.

FINAL EXAMINATION COVERING ENTIRE M.T.O. COURSE.
