

U. S. ATOMIC ENERGY COMMISSION
REGION II
DIVISION OF COMPLIANCE

VENDOR INSPECTION REPORT

Tendons for Post-Tensional Concrete Containment Building

Vendor: The Prescon Corporation
Plant 5
Simpsonville, ^{1/} South Carolina

Report No: Prescon 70/1

Components Inspected For: Duke Power Company
Greene Units 1, 2, and 3

Date of Inspection: February 18, 1970

Inspector: W. D. Kelley 3/18/70
W. D. Kelley, Reactor Inspector - Construction Date
(In Charge)

C. E. Murphy 3/18/70
C. E. Murphy, Reactor Inspector Date

Licensee Representatives: G. L. Hunnicutt, Field Engineer (Civil), DPG
R. W. Simmons, Inspector, DPG

Other Persons Contacted: G. T. Johnson, Reactor Engineering Manager
Prescon Corporation, Corpus Christi Office
D. Hyatt, Quality Control Inspector, Prescon
Corporation, Plant 5, Simpsonville,
South Carolina

Report Reviewed By: W. G. Seidle 3/18/70
W. G. Seidle, Senior Reactor Inspector Date
G. W. Reimuth 3/25/70
G. W. Reimuth, Reactor Inspector Date
(Program Standards)

Proprietary Information: Entire Report

SCOPE

A special announced visit was made to the Prescon Corporation, Plant 5, Simpsonville, South Carolina, on February 18, 1970.

1/ Located near Greenville, South Carolina.

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The visit was arranged through Duke Power Company and had as its specific objective the examination of Prescon Corporation's quality assurance program and quality control in the manufacturing of tendons for post-tensioned concrete containment buildings and a review of the available records pertaining to the tendons for Oconee Unit No. 1 containment building.

SUMMARY

1. Prescon specializes in the manufacture and installation of tendons for post-tension concrete. (See Section A.)
2. The tendons for nuclear applications are assembled at a new plant at Simpsonville, South Carolina. (See Section B.)
3. A quality control manual has been written and is used by Prescon which outlines its quality assurance program. It contains fabrication and manufacturing procedures, and specifies quality control check points and records that must be kept. (See Section C.)
4. The quality assurance program is implemented by a combination of line and staff organizations with a Quality Assurance Committee that is the final authority for the review of the quality assurance programs and proposed changes to the program. (See Section D.)
5. The mill test data on material for wire and stressing washers were readily available and conformed with the specifications. (See Sections E and F.)
6. Each step in fabrication and manufacturing is followed by an inspection check point that is described in the quality control manual. Each inspection point must be recorded on a QC form. (See Section G.)
7. Plant 5 has a laboratory well equipped for performing the tests designated in the quality control manual. (See Section G.4.)
8. There is a difference in the allowable width of a button head split permitted by Prescon's quality control manual and the licensee's PSAR. (See Section H.)

Management Interview - At the completion of the visit, an interview was held with Hannicutt, Simmons, Johnson and Hyatt.

The following points were discussed:

1. Prescon has a very comprehensive quality assurance program that is structured as outlined in their quality control manual.

ORGANIZATIONAL CHART

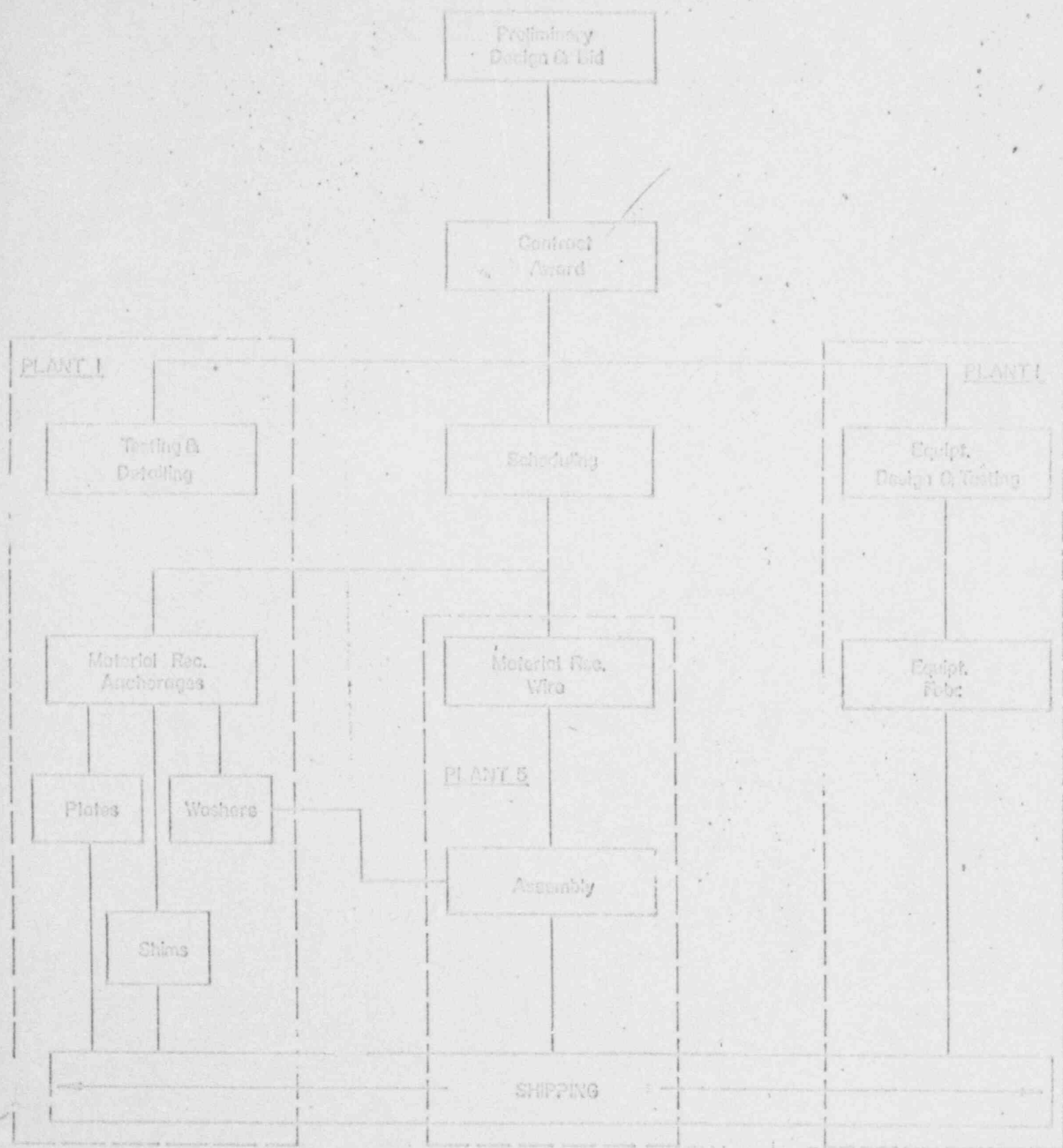


FIG. 1

PRESCON TENDONS

REACTOR TENDONS

FUNCTIONS

ADDRESS

President
Reactor Department Manager
Finance

THE PRESCON CORPORATION
502 C. C. State Nat'l. Bank Building
Corpus Christi, Texas 78401
(512) 882-8291

Field Service
Engineering
Testing
Quality Control
Manufacturing Plant #1
(Anchorage Fabrication)

THE PRESCON CORPORATION
905 Cantwell Drive
P. O. Box 4087
Corpus Christi, Texas 78408
(512) 882-6571

Assembly Plant #5
(Tendon Assembly)
Quality Control Inspector

THE PRESCON CORPORATION
P. O. Box 277
Mauldin, South Carolina 29662

Old Stage Road
Directly behind American Monorail
Simpsonville, South Carolina
(803) 963-8881

FIG. 2

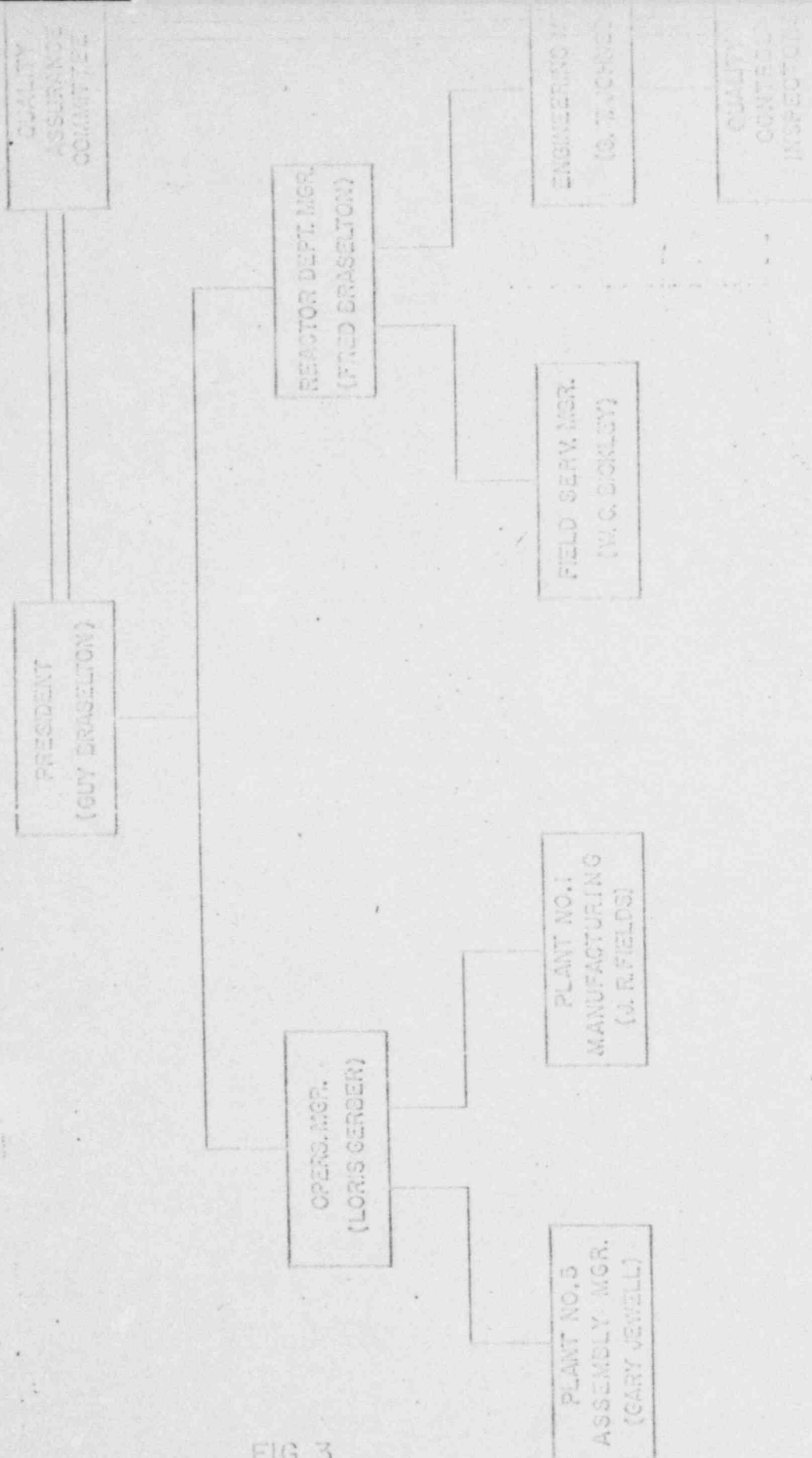


FIG. 3

ORGANIZATION CHART

FOR

ADMINISTRATING QUALITY ASSURANCE PROGRAM

NO. BENDS.

10

2140

CE/NEO

WRAP-UP

5000

504

01
02
03
04

WZQ

1

10

12

100

1. *Le...*

1

17

2/2

100

24

1

503

19

EATING

10

122

•

15
16
17
18
19

1000

PCW
COIL
NO.

WORK ORDER No. _____
DATE SHIPPED _____

Inspector's Signature (in ink)

Washers		Wire Stress- relieved Stabilized	
Int. Thrd.	Ext. Thrd.	No. Wires	Dia.

by Albert

[illegible]

