

JOB 35-1195

COMANCHE PEAK STEAM ELECTRIC STATION

Construction Procedure
DOCUMENT CHANGE NOTICE NUMBER 6

Notice applicable to Construction Procedure No. 35-1195- CP-CPM 8.1 Rev. 1.

This change will be incorporated in the next revision of the procedure.

Change the procedure as follows:

Please replace/add the following pages with the attached:

Page 4 of 5

5 of 5

Add 1 of 1; Attachment 5

Reviewed by:

[Signature] 7-25-84
Originator Date

[Signature] 7-25-84
Brown & Root Quality Assurance Date

Approved by:

[Signature] 7-25-84
TUGCO Quality Assurance Date

[Signature] 8-3-84
Construction Project Manager Date

08/07/84
Effective Date



JOB 35-1195

COMANCHE PEAK STEAM ELECTRIC STATION

Construction Procedure
DOCUMENT CHANGE NOTICE NUMBER 5

Notice applicable to Construction Procedure No. 35-1195- CP-CPM 8.1 Rev. 1.

This change will be incorporated in the next revision of the procedure.

Change the procedure as follows:

Please replace the following page with the attached:

Page 2 of 5

Reviewed by:

[Signature] 11-18-83
Originator Date

[Signature] 12/6/83
Brown & Root Quality Assurance Date

Approved by:

[Signature] 12/6/83
TUGCO Quality Assurance Date

[Signature] 12-7-83
Construction Project Manager Date

December 7, 1983
Effective Date



JOB 35-1195
Comanche Peak Steam Electric Station

Sheet 1 of 2

Construction Procedure
DOCUMENT CHANGE NOTICE NUMBER 4

This notice applies to Construction Procedure No. 35-1195- CPM 8.1 Revision 1.

This change will be incorporated in the next revision of the procedure.

Change the procedure as follows:

Replace the following page with the attached:

Page 5 of 5

Reason for change: Additional requirement.

Reviewed by:	
<u><i>[Signature]</i></u> <u>12/30/82</u>	<u><i>[Signature]</i></u> <u>1/12/83</u>
Originator	Brown & Root Quality Assurance
Date	Date
Reviewed by:	
<u><i>[Signature]</i></u> <u>1/4/82</u>	
TUGCO Quality Assurance	
Date	
Approved by:	
<u><i>[Signature]</i></u> <u>1-10-83</u>	<u>1/10/83</u>
Construction Project Manager	Effective Date
Date	



JOB 35-1195
Comanche Peak Steam Electric Station

Sheet 1 of 2

Construction Procedure
DOCUMENT CHANGE NOTICE NUMBER 3

This notice applies to Construction Procedure No. 35-1195- CPM 8.1 Revision 1.

This change will be incorporated in the next revision of the procedure.

Change the procedure as follows:

Replace the following page with the attached:

Page 1 of 5

Reason for change: Additional requirements.

Reviewed by:

[Signature] 11/1/82
Originator Date

[Signature] 11/5/82
Brown & Root Quality Assurance Date

Reviewed by:

Approved by:

[Signature] 11/1/82
TUGCO Quality Assurance Date

[Signature] 11/5/82
Construction Project Manager Date

11/5/82
Effective Date



JOB 35-1195
Comanche Peak Steam Electric Station

Sheet 1 of 2

Construction Procedure
DOCUMENT CHANGE NOTICE NUMBER 2

This notice applies to Construction Procedure No. 35-1195- CPM 8.1 Revision 1.
This change will be incorporated in the next revision of the procedure.

Change the procedure as follows:

Replace the following page with the attached:

Page 2 of 5

Reason for change: Additional requirements

Reviewed by:

[Signature] 7/16/82
Originator Date

[Signature] 7/21/82
Brown & Root Quality Assurance Date

Approved by:

Reviewed by: *[Signature]* 7/21/82
TUGCO Quality Assurance Date

[Signature] 7/21/82
Construction Project Manager Date

8/2/82
Effective Date



ARMS
INDEXED

JOB 35-1195
Comanche Peak Steam Electric Station

QA#

Sheet 1 of 2

Construction Procedure
DOCUMENT CHANGE NOTICE NUMBER 1

This notice applies to Construction Procedure No. 35-1195- CPM 8.1 Revision 1.

This change will be incorporated in the next revision of the procedure.

Change the procedure as follows:

Replace the following page with the attached:

Page 1 of 1 Attachment 4

Reason for change: Additional requirements

Reviewed by:

[Signature] 3/15/82
Originator Date

[Signature] 3/23/82
Brown & Root Quality Assurance Date

Approved by:

[Signature] 3-20-82
Construction Project Manager Date

3/23/82
Effective Date



BROWN & ROOT, INC. CPSES	PROCEDURE NUMBER	REVISION	DATE EFFECTIVE DATE	PAGE
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TITLE: RECEIPT, STORAGE, AND ISSUANCE OF ITEMS	ORIGINATOR: <u>Robert H. Dyer</u>		<u>2-2-82</u> DATE	
	REVIEWED BY: <u>[Signature]</u>	QA/QC	<u>[Signature]</u> DATE	
	APPROVED BY: <u>[Signature]</u>	CONSTRUCTION PROJECT MANAGER	<u>2-23-82</u> DATE	

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**FOR OFFICE AND
ENGINEERING USE ONLY**

DCN #1
DCN #2
DCN #3
DCN #4
DCN #5
DCN #6

1.0 INTRODUCTION

This procedure provides the system for receiving, storage, and issuance of safety-related and non-safety-related items received at this site. Spare parts are not within the scope of this procedure and are discussed in supplementing instructions.

2.0 GENERAL

2.1 RECEIPT INSPECTION

Receipt inspection of safety-related items will be performed by the QA Department in accordance with QA procedures. Receipt inspection of non-safety-related items is the responsibility of the warehousing personnel and the discipline engineers as discussed herein.

~~8502 210245~~



BROWN & ROOT, INC. CPSES JOB 35-1195	PROCEDURE NUMBER	REVISION	EFFECTIVE DATE	PAGE
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TITLE: RECEIPT, STORAGE, AND ISSUANCE OF ITEMS	ORIGINATOR:	*** See Original Cover Sheet		DATE
	REVIEWED BY:	*** See Original Cover Sheet		DATE
		B&R QA		DATE
	APPROVED BY	*** See Original Cover Sheet		DATE
		TUGCO QA		DATE
		CONSTRUCTION PROJECT MANAGER		DATE

0.1 TABLE OF CONTENTS

1.0 INTRODUCTION

2.0 GENERAL

2.1 RECEIPT INSPECTION

3.0 PROCEDURE

3.1 ARRIVAL AT SITE

3.2 RECEIPT

3.3 STORAGE AND HANDLING

3.4 ISSUANCE OF ITEMS

3.5 RETURN TO WAREHOUSE

3.6 OFF-SITE SHIPMENT

4.0 ATTACHMENTS

- No. 1 Material Received Record
- No. 2 Material Requisition
- No. 3 Material Return to Warehouse
- No. 4 Return Goods Authorization
- No. 5 Appendix I

1.0 INTRODUCTION

This procedure provides the system for receiving, storage, and issuance of safety-related and non-safety-related items received at this site. Except as specifically required by supplementing instructions, spare parts are not within the scope of this procedure.

2.0 GENERAL

2.1 RECEIPT INSPECTION

Receipt inspection of safety-related items will be performed by the QA Department in accordance with QA procedures. Receipt inspection of non-safety-related items is the responsibility of the warehousing personnel and the discipline engineers as discussed herein.



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3.0 PROCEDURE

3.1 ARRIVAL AT SITE

Upon arrival of items at the site, the following actions shall be taken by the warehousing personnel:

3.1.1 Determine if the shipment is safety-related or nonsafety-related. If safety-related, notify QC by copy of the packing list; if nonsafety-related, notify the appropriate engineering discipline.

3.1.2 Prior to offloading, verify the packing list against the purchase order. Check for evidence of shipping damage. Obtain handling and storage instructions, as required, and proceed in accordance with those instructions.

EXCLUSION:

Radioactive materials other than those used by Brown & Root for radiography, shall not be offloaded. Instead, the Tugco Operations Radiation Protection personnel shall be notified so that they may inspect the shipment for quantity, correctness, and damage, advise the warehousing personnel of their findings and assume custody of the materials. After the inspection by Tugco Operations Radiation Personnel, all receiving records shall be processed in accordance with this procedure, and QC shall verify that the documentation required by the purchase order is received, and transmit the documentation to the PPRV.

3.1.3 Warehousing personnel shall notify QC of damage, documentation shortages, or other nonconforming conditions of safety-related items. The appropriate engineering discipline shall be notified for nonsafety-related items.

3.2. RECEIPT

3.2.1 The receipt of all items received on site shall be recorded on a Material Received Record (MRR; Attachment 1) by warehousing personnel. The entries on MRR shall include the quantity, heat, code, or other identification numbers, certification received/not received, and any other information pertinent to the receipt of the item.

3.2.2 The MRR's for safety-related items shall be presented to QC for signature. The "QC Check By" block for nonsafety-related MRR's shall be marked "N/A" and initialed by the person making the entry.



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3.3 STORAGE AND HANDLING

Within each of the storage areas (type A through E as delineated in Appendix 1) safety-related items should be physically separated from non-safety-related items, and identified. Where segregation is not practical, due to size, configuration, or specific storage requirements, etc., positive identification shall be maintained which clearly identifies the material.

Items in storage which are to become a part of temporary or permanent facilities shall be clearly identified by purchase order numbers with the exception of bulk items such as pipe, fittings, pipe hangers, valves, etc., which will be stored and identified by either their piece numbers, category numbers, size or generic number. Prior to division of a bundle of bulk material, each piece of materials shall be identified with a heat number. A heat code and purchase order number may be used instead of a heat number. Prior to division of the bundle, QC shall be notified so that the markings may be verified and documented in accordance with applicable QA procedures.

With the exception of stockpiled earth materials, all items shall be stored on dunnage or by other suitable means such as on racks, in tins, on clean concrete floors, etc.

All storage areas shall be kept clean and neat.

Location records of all items should be provided. Anytime the location of an item is changed, the record should be updated.

Nonconforming items, where practical, shall be stored in segregated areas. Where size, configuration, storage requirements, etc., do not permit, the nonconforming items may be stored with acceptable items but shall be clearly identified with tags, signs, or barriers as being on "hold".

Storage requirements will be specified in instructions which supplement this procedure.

3.4 ISSUANCE OF ITEMS

All items shall be issued by means of a Material Requisition Form (MR; Attachment 2). QC concurrence by means of the initialling on the MR form shall be required (for safety-related items) except for the building department stock material, such as bolts, nuts, Richmond Screw Anchors, Hilti-Kwik bolts, etc.

For all items, the properly prepared requisition will be authorized by the appropriate department craft superintendent or supervisor. Upon release from the warehouse, the person accepting delivery shall sign the requisition showing both name and badge number.



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The applicable information required on the Material Requisition is self-explanatory. As a minimum, it should include enough information to provide traceability of the item and should include the purchase order number except when requisitioning expendable construction material and bulk items such as pipe, pipe fittings, pipe hangers, pipe spools, floor drains, gaskets, nuts, bolts, studs, washers, lead, etc. Typical information required is:

- a. Item description
- b. Item identification (e.g., heat number, code number, lot number, tag or serial number)
- c. Quantity
- d. Intended use

The listed information will be used as a means of providing traceability of items, and ensuring their use where intended or acceptable. Where required, the QC-signed MR shall be presented to the QC field inspector before the item is installed so that the inspector may verify the acceptability of the item for the intended use. Deviations to the specified intended use will be permitted if verified as acceptable by QC.

NOTE: The "intended use" entry is not meant to restrict the use of an item to a particular location, but only to signify that the item is acceptable for use in that location.

The same sequence and use of the MR shall be followed by the fabrication shops when material is issued directly from the shops to the field for installation.

3.5 RETURN TO WAREHOUSE

Items which have been withdrawn from the warehouse and are not needed or which have been fabricated by B&R construction and are to be returned to the warehouse for later installation, shall be transmitted to the warehouse by the "Material Return to Warehouse" form (Attachment 3). This includes materials, tools, furniture, etc. The responsible department shall initiate the form. Each form shall have a unique number. The warehouse shall treat these similar to the MRR's. The traceability markings on all "Q" items must be legible. Items which are not traceable shall be placed in non-safety-related stock. QC shall verify acceptance for safety-related items.



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NOTE: Any equipment, furniture, tooling, etc., that is returned to warehousing should also be identified with an identification tag as shown in Attachment 5.

3.6 OFF-SITE SHIPMENTS

Written requests and authorization shall be required for the item to be shipped off-site. The form shown as Attachment 4 will be utilized when possible. A copy of the shipping records shall be transmitted to Quality Assurance for "Q" items. For "Q Receiving" prior to shipping for verification of material being shipped.



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ATTACHMENT 1

MATERIAL RECEIVED RECORD

COMANCHE PEAK S. E. 5

Job No. 35-1195

PAGE _____ OF _____
 SHIPPED TO: ☐ B & R ☐ G & H ☐ F & N ☐ W ☐ TUSI ☐ OTHER

MR NO. _____

P. O. NO. _____

REQ. NO.

VENDOR

DATE

SHIPPER

P. O. B.

Partial ☐ Complete ☐

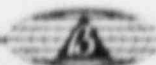
QUANTITY	UNIT	REQ	MATERIAL DESCRIPTION	LOCATION
TYPICAL				

RECEIVED BY _____

QC CHECK BY	EXP	PR	FEA	UPS	PREPARED	COLLECT
-------------	-----	----	-----	-----	----------	---------

DELIVERING SERVICE

P. O. NO.	CARD NO.
-----------	----------



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ATTACHMENT 2

BROWN & ROOT, INC.

CPSES

MATERIAL REQUISITION

DATE _____

QUANTITY	DESCRIPTION & TAG NUMBER	HEAT/LOT/SERIAL NUMBER	CODE CLASS	QC

INTENDED USE _____

RECEIVED _____

AUTHORITY _____

ISSUED _____


NAME _____ SUPV OR FOREMAN _____ WAREHOUSEMAN _____

REQUISITIONER



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ATTACHMENT 5

	EQUIPMENT CODE # _____	CONDITION _____
	P.O. _____	ITEM # _____
	QTY _____	DESCRIPTION _____
	DATE RETURNED _____	BY _____
	REQUIRED FOR FUTURE WORK YES _____ NO _____	
	CRAFT SUPERINTENDENT _____	



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APPENDIX I

Storage Environmental Conditions for items:

1. Type A

Items shall be stored under special conditions similar to those described for Type B items but with additional requirements such as temperature and humidity control within specified limits, a ventilation system with filters to provide an atmosphere free of dust and harmful vapors, and any other appropriate requirements.

2. Type B

Items shall be stored within a fire resistant, tear resistant, weathertight, and well ventilated building or equivalent enclosure. Precautions shall be taken against vandalism. This area shall be situated and constructed so that it will not be subject to flooding; the floor shall be paved or equal and well drained. Items shall be placed on pallets or shoring to permit air circulation. The area shall be provided with uniform heating and temperature control or its equivalent to prevent condensation and corrosion. Minimum temperature shall be 40 F and maximum temperature shall be 140 F or less if so stipulated by a manufacturer.

3. Type C

Items shall be stored indoors or equivalent with all provisions and requirements set forth in Type B items except that heat and temperature control is not required.

4. Type D

Outdoor storage in an area which is well drained and reasonably removed from the actual construction area and traffic. Items shall be on cribbing or equivalent and protected from the weather with weather-proof coverings.

5. Type E

Outdoor storage in an area which is well drained and reasonably removed from the actual construction area and traffic. Items shall be on cribbing or the equivalent.



TEXAS UTILITIES GENERATING COMPANY

P. O. BOX 1002 GLEN ROSE, TEXAS 76043

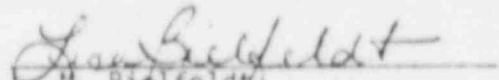
April 23, 1984

Drs. L. R. Abramson and D. Lurie
Applied Statistics Branch
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

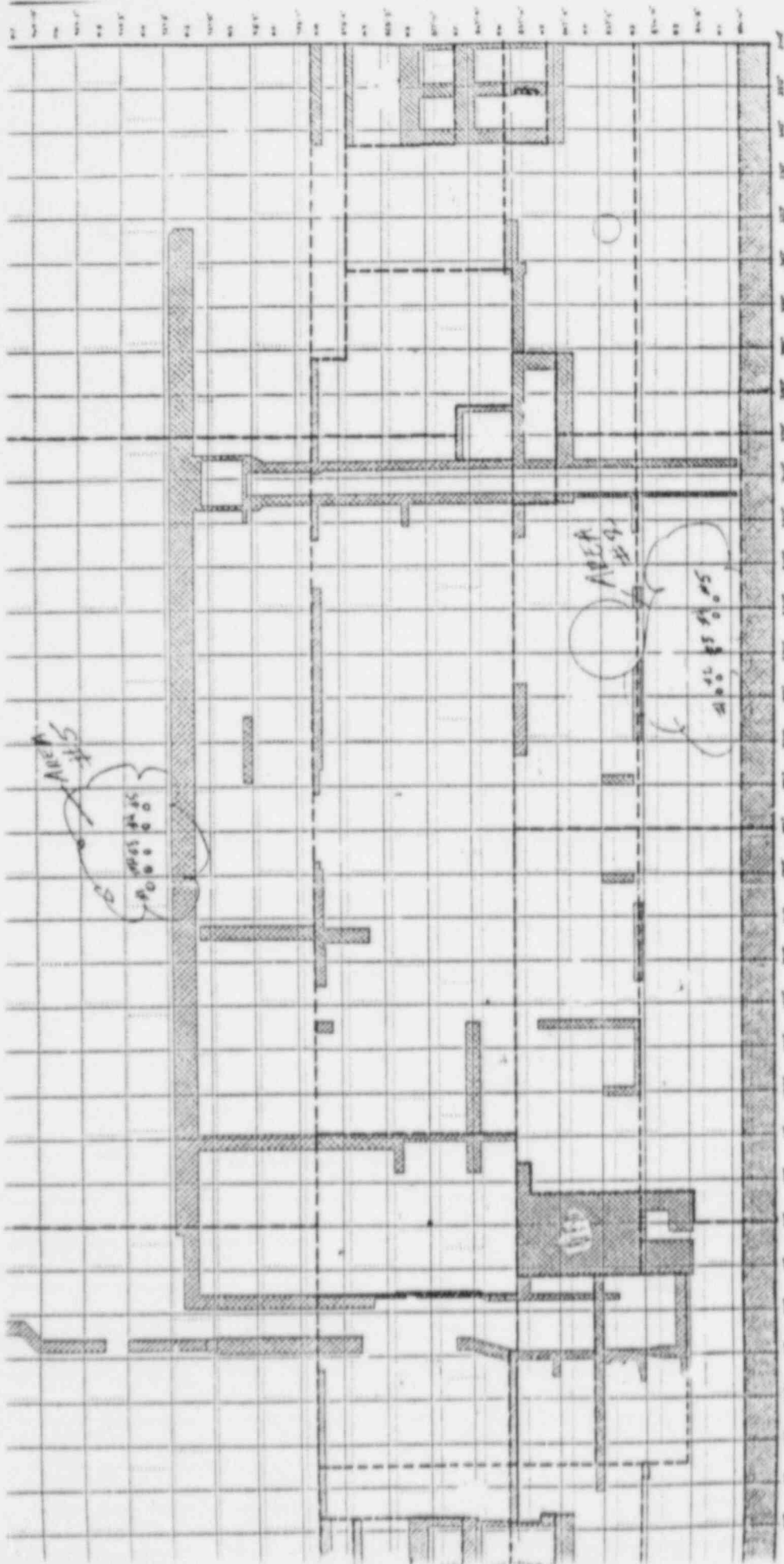
Doctors:

With reference to my letter to you dated April 17, 1984, please be advised that the total size (estimate) for concrete is incorrect. The correct figure should be 285,000.

If you have any questions, I may be contacted at (817) 897-2981, Ext. 327 or (214) 979-8865.


L. M. Bielfeldt
Quality Engineering Supervisor

8511050299



AREA #1
 AREA #2
 AREA #3
 AREA #4
 AREA #5

UNIT LINE PLAT
 DEVELOPMENT
 TEXAS UTILITIES SERVICES, INC.
 CPSES GLEN ROSE, TEXAS

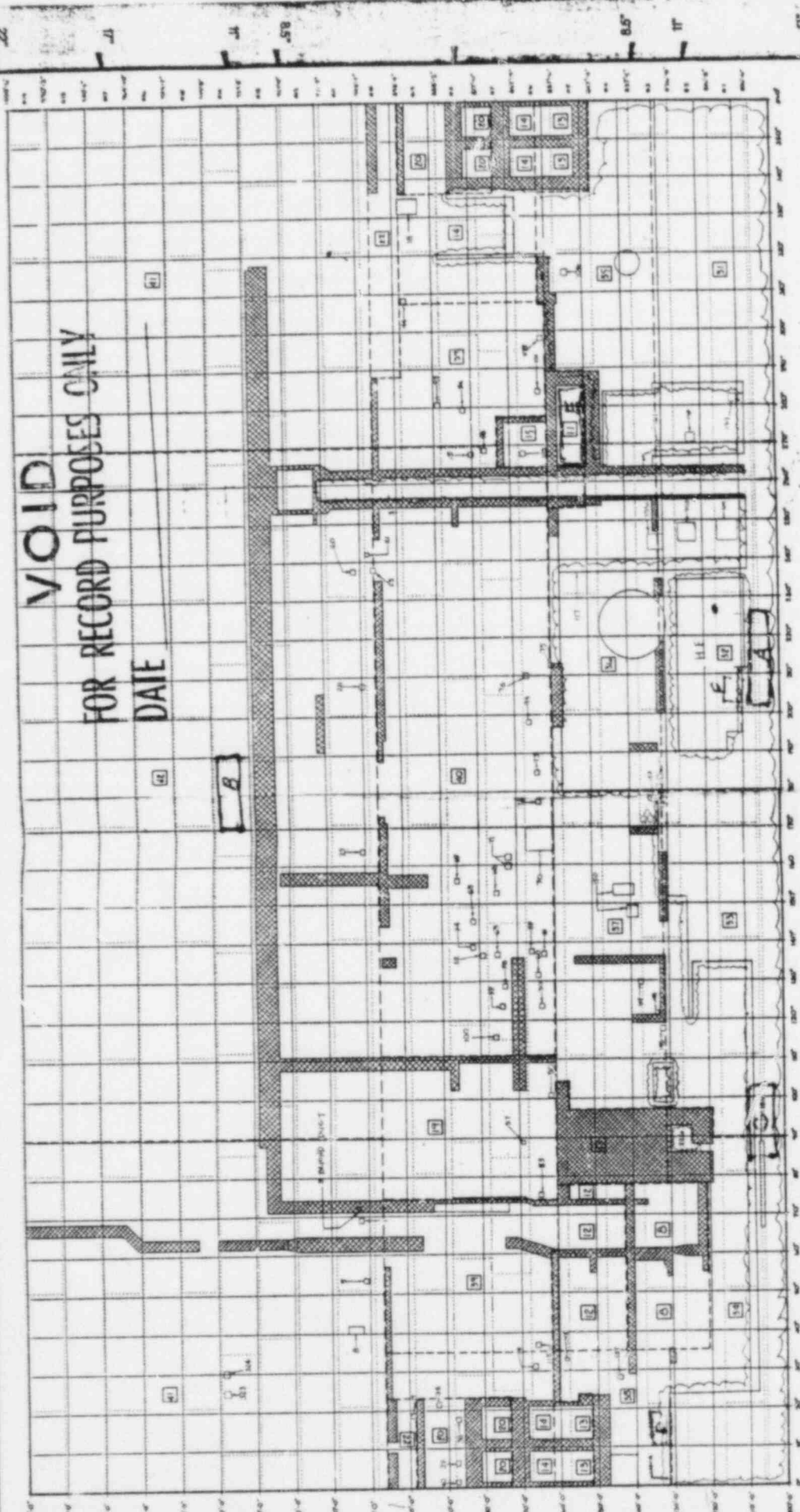
BROWN & ROOT, INC.
 10000 DALLAS AVENUE
 DALLAS, TEXAS 75243

10000 DALLAS AVENUE
 DALLAS, TEXAS 75243

10000 DALLAS AVENUE
 DALLAS, TEXAS 75243

PS-231111-1 @ site from Bill Huggins

VOID
FOR RECORD PURPOSES ONLY
DATE _____



Level Plate is Contained

HP HAS BEEN FINALED

L Labeled Plate * Long on Label & Extra (also inner)		Brown & Root, Inc. Brown & Root, Inc. 10000 N. Loop West Suite 100 Houston, Texas 77040		UNIT #1 LABEL PLATE LEVEL PLATE TEXAS UTILITIES SERVICES, INC. CPSES GLEN ROSE, TEXAS		CONTRACT NO. PROJECT NO. SHEET NO. 2	
--	--	---	--	--	--	--	--

Attach #1

TEXAS UTILITIES GENERATING COMPANY

OFFICE MEMORANDUM

To File Glen Rose, Texas September 10, 1984

Subject Re: Unit 1 Concrete Coating Adhesion Values
Elcometer Calibration Matter SDAR - CP-84-05

As documented in TUQ-1937, dated February 13, 1984, I have reviewed the backfit inspection records for potential effects of the error in calibration of the Elcometer Adhesion Testors on the in place adhesion characteristics of the concrete coatings in the Unit 1 reactor building. I have since again reviewed these records in order to answer a recent verbal question from the NRC TRT on protective coatings. The Unit 1 records for concrete segregated via the efforts described in TUQ-1937 are reflected on the attached memo and listing from Lisa Bielfeldt. Those records which record adhesion values which potentially could be below the acceptance limit of 200 psi are reflected on the attached tabulation dated 8/31/84.


R. G. Tolson

RGT/bh

cc: A. Vega
L. Bielfeldt
J. T. Merritt
Tom Kelly
C. T. Brandt

FOIA-85-59
(A51)

(2) - Area reported

5 ft²* - ~~±~~

Analysis of Adhesion TESTS Concrete COATINGS Ecometer CALIBRATION ISSUE

5/1/84
J. J. Brown

1/1

C
O
L
U
M
N1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40

Inspection
REPORT
(PCR)

Total
Pull
Tests

Questioned
Pull
Tests

Inspection
Report
(PCR)

Total
Pull
Tests

Questioned
Pull
Tests

00778

3

1

03672

5

1

D 00916 *

3

1

03684

3

1

D 00919 *

3

1

03697

5

2

D 00920 *

3

1

03735

3

1

D 00923 *

3

1

03738

5

2

D 00924 *

3

1

03781

4

1

D 01656 *

3

+ (R)

03787

5

1

D 01672

5

1

03797

5

2

D 01811

3

1

03873

3

2

02112

5

1

03992

3

1

D 02215

3

1

03993

4

1

02277

3

3

04001

3

+ (R)

02480

3

2

03585

4

1

02507

5

1

65

02553

3

1

02551

5

1

02580

3

1

02603

4

1

TOTAL CONCRETE Pull TESTS = 2128

02609

3

1

∴ PERCENTAGE Questionable is

02732

4

1

02735

3

1

$$\frac{65(100)}{2128} = 3.1\%$$

02806

4

1

02943

5

1

02946

3

1

03124

3

1

Say 3% given small areas
Noted by *

03279

4

3

03280

4

1

03281

5

3

03282

4

1

03450

6

1

03454

3

1

03459

5

1

03484

3

1

03564

5

2

03571

3

1

03584

5

1

03593

4

1

D 03593

3

2

D 03595

3

1

D 03618

5

1

D 03619

4

1

ATTN: Ron Tolson ..
2 pages

TEXAS UTILITIES GENERATING COMPANY

OFFICE MEMORANDUM

To R.G. Tolson

Date September 7, 1984

Subject

UNIT 1 CONCRETE PCR's

Last week I telecopied the attached list, entitled "Unit 1 PCR's on Concrete with \leq 400 psi", to Fred Dunham at CPSES. The list reflects those Unit 1 concrete which I have segregated for further review with regard to their associated adhesion valves.


L.M. Bielfeldt

LMB:tlg

cc: F.D. Dunham

telecopy to: Barbara Lari
attn: Fred Dunham

Unit 1 PCR's on Concrete
with ≤ 400 psi

00473

487

718

719

720

778

914

916

919

922

923

924

1656

1672

1676

1811

1859

1892

1893

2112

2215

2242

2277

2480

2507

2553

2540

2546

2551

2580

2603

2609

2642

2732

02735

2806

2940

2943

2946

3124

3279

3280

3281

3282

3450

3454

3459

3484

3564

3571

3584

3585

3593

3595

3618

3619

3672

3684

3687

3690

3697

3735

3738

3740

3781

3782

3784

03787

3797

3873

3992

3993

4001