

EVALUATION RESEARCH CORPORATION

COMANCHE PEAK RESPONSE TEAM

QUALITY INSTRUCTION FOR ISSUE-SPECIFIC ACTION PLAN VII.c

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CONTROL NO. DF-001

INSTRUCTION NO.: QI-069

REVISION: 1

ISSUE DATE: 01/29/86

DOCUMENTATION REVIEW OF EPOXY GROUT

Prepared by:

Cali Bessley

Date:

1-27-1986

Approved by:

Albert A. Patten  
Issue Coordinator

Date:

1-28-86

Approved by:

C. W. Davis  
On-Site QA Representative

Date:

1-29-86

Approved by:

J. L. Hamel  
QA/QC Review Team Leader

Date:

1/29/86

## 1.0 PURPOSE

This procedure provides the methods and the accept/reject criteria for performing documentation review for epoxy grout.

## 2.0 APPLICABILITY

This procedure applies to the samples selected from the Epoxy Grout population which includes grout placements made in Unit 1, Unit 2, and Common areas that are safety related, construction complete, and QC accepted.

## 3.0 REFERENCES

- 3.1 CPP-009, "Performance of Reinspections and Documentation Reviews."
- 3.2 Memorandum QA/QC-RT-1189, dated December 17, 1985, Description Memorandum for Documentation review of Epoxy Grout delineating documents used in development of procedures including specific sources for attributes and exclusions.

## 4.0 GENERAL

Documentation reviews are to be performed and documented in accordance with established CPRT procedures and instructions. This procedure establishes instructions, attributes, and the accept/reject criteria to perform the Documentation Review of Epoxy Grout. Reference 3.1 addresses the methods to perform, document, and process the results.

## 5.0 INSTRUCTIONS

Using the information below, perform the document review of the selected sample items and document the results on the applicable checklist (Attachment 6.1). The Epoxy Grout Inspection Records to be reviewed are located in the TUGCO Records Vault or the Brown & Root Interim Records Vault. If the inspection records are not located the inspector shall contact the QA/QC Discipline Engineer. The Inspector shall review the Grout Placement package to determine which attributes are applicable. Where no inspection verification exists for applicable attributes, DRs will be initiated.

### 1. Preplacement

Verify that the following preplacement requirements were satisfactorily noted as accepted on the checklist.

- a. Verify the gaps between equipment base and concrete, or baseplate and concrete meets requirements.

5.0 INSTRUCTIONS (Cont'd)

1. Preplacement (Cont'd)

- b. Verify grout placement holes are properly placed.
- c. Surfaces to receive grout are free of foreign matter and surfaces are dry.

2. Placement

Verify that the following placement requirements were satisfactorily noted as accepted on the checklist.

- a. Surface temperature of the area to be grouted is a minimum 50° F.
- b. Mixing operation of epoxy grout was per procedure.
- c. Placing is continuous with the pot life of the grout not exceeded.

3. Post Placement

Verify that the following post placement requirements were satisfactorily noted as inspected on the checklist for cure time and on the test results data sheet for compressive strength.

- a. The epoxy grouted areas have not been placed into service prior to the required cure time.
- b. The lot of epoxy grout was tested to the requirements of ASTM C-579-75. The epoxy grout should have "on site receipt" and "during use" compliance test results meeting a minimum compressive strength requirement of 12,000 PSI.

4. Inspector and Test Personnel Certification

Verify that each inspector who signed any item on an Inspection Report was certified as follows:

- a. The certification was valid at the time of inspection, i.e. the date that the inspector initialed/signed must be on or after his certification date and prior to his certification expiration date.
- b. The inspector was certified to the procedure used at the time of signature.

5.0 INSTRUCTIONS (Cont'd)

4. Inspector and Test Personnel Certification (Cont'd)

- ° If this attribute is rejected determine if the person that signed as QC inspector was ever certified to the procedure used. If the inspector was ever certified to the procedure record the time period of certification, otherwise state in the remarks column that the person was never certified.

NOTES: Inspector's name shall be recorded on the checklist when a deviation occurs.

If any initials and/or signatures are illegible, an attempt shall be made to determine the inspector's name by checking the signature cards located in the Permanent Plant Records Vault. If identification cannot be made the inspector shall reject this attribute.

Basis for verification of certification is the TUGCO Inspection Certification Form. Form shall show certification to appropriate TUGCO procedure for task performed.

6.0 ATTACHMENTS

6.1 Checklist: Epoxy Grout

COMANCHE PEAK RESPONSE TEAM  
CHECKLIST

Attachment 6.1  
QI-069  
Rev. 1

POPULATION DESC EPOXY GROUT	VERIFICATION PKG NO. R-S-GRTE		PAGE 1 OF 1	
QUALITY INSTRUCTION QI-069, REV. 0	<input type="checkbox"/> REINSPECTION <input checked="" type="checkbox"/> DOCUMENTATION REVIEW		<input type="checkbox"/> UNIT 1 <input type="checkbox"/> UNIT 2 <input type="checkbox"/> COMMON	
EQUIPMENT MARK/TAG NO.				
ATTRIBUTE	VERIFICATION			REMARKS
	ACCEPT	REJECT	DATE	
1. Preplacement				
a) Equipment Base and Baseplate Gaps				
b) Placement Holes				
c) Cleanliness				
2. Placement				
a) Surface Temp.				
b) Mixing Operation				
c) Placing				
3. Post Placement				
a) Cure Time				
b) Compressive Strength Test				
4. Personnel Certification				
a) Valid Certification				
b) Certified to Procedure				
PREPARED BY:		APPROVED BY:		
DISCIPLINE ENGR. _____ DATE _____		LEAD DISCIPLINE ENGR. _____ DATE _____		
INSPECTED BY:		APPROVED BY:		
INSPECTOR _____ DATE _____		LEAD INSPECTOR _____ DATE _____		