

50-329
50-330

CONSUMERS POWER COMPANY
MIDLAND ENERGY CENTER

Transmittal No: CSC- 7419

Date: March 6, 1984

To: Stone & Webster
P O Box 1963
Midland, MI 48640

Attached Is: ☐ Partial Response To
☒ Complete Response To
☐ For Your Information
☐ Other

PRINCIPAL STAFF			
RA	Has	DPRP	
D/RA		DE	
A/RA		DRMSP	
RC		DRMA	
PAO		SCS	
SGA		ML	
ENF		File	Has

orig+3

Description:

Tracked Action 048 - Attached SCN-14001 to
Specification C-306 provides complete
response to this item.

Signature:

NI Reichel

cc: JGKeppler, NRC Region III w/a
JJHarrison, NRC Region III w/a
RJCook, NRC Site w/a
RAWells, MPQAD w/a
BHPeck, MEC w/a
NIReichel, MEC w/a
DDJohnson, MEC w/a

8403130354 840306
PDR ADOCK 05000329
S PDR

MAR 9 1984

IEO/11e

42
Bechtel Power Corporation

Post Office Box 2167
Midland, Michigan 48640
March 1, 1984



Consumers Power Company
P.O. Box 1963
Midland, Michigan 48640

Attention: D. L. Quamme
Site Manager

Midland Project Units 1 & 2
Bechtel Job 7220
REVIEW OF STONE & WEBSTER'S
CCP OVERVIEW REPORT NO. 48
BCCC-9082

Dear Mr. Quamme:

Reference: Bechtel Letter, G.A. Hierzer to D.L. Quamme (BCCC-8987)

This is Construction's final response to Stone & Webster's overview item 48.

SCN 14001 (attached) to Specification C-306 has been issued and attached to the Specification. This clarifies the inconsistency between Specification C-305 and C-306.

If you have any questions concerning the above, please contact John Russell at extension 7594.

Very truly yours,

G. A. Hierzer
G. A. Hierzer

JWC
GAH/JER/ajd

cc: N. Reichel

Attachment: SCN 14001

SCN NO. 14001DATE 2-1-84

Page 1 of 2

SPECIFICATION CHANGE NOTICE

- A. SPECIFICATION NO. 7220-C-306(Q) REV. 12 DATE 1-9-84
- B. SPECIFICATION TITLE TECHNICAL SPECIFICATION FOR GROUTED ANCHOR BOLTS
- C. CHANGE REQUESTED BY: ☐ CLIENT ☒ ENGINEERING ☐ FIELD ☐ VENDOR/CONTRACTOR
- D. CHANGE PREPARED BY STEVE RATHGE DATE 2-1-84
- E. DESCRIPTION OF CHANGE

REVISE NOTE 1 OF TABLE B-2 TO READ AS
SHOWN ON PAGE 2 OF 2.

RECEIVED
FEB 24 1984

BECHTEL POWER CORP.

JOB 7220
FE: 240376 BJ

- F. REASON FOR CHANGE

ENGINEERING DEVELOPMENT UPON CONSTRUCTION REQUEST

- G. EFFECTIVITY OF CHANGE

EFFECTIVE FROM 9/9/76

UNCONTROLLED
NOT TO BE USED
FOR CONSTRUCTION

NOT TO BE USED
FOR CONSTRUCTION

- H. INSTRUCTIONS REGARDING USED MATERIAL/EQUIPMENT

N/A

- I. APPROVAL SIGNATURES

<u>ES/ [Signature]</u> PROJECT ENGINEER	<u>2/21/84</u> DATE	<u>Steve A. Rathge</u> ORIGINATOR	<u>2-2-84</u> DATE
<u>[Signature] / 2 chg for P.V.R.</u> GROUP SUPERVISOR	<u>2-8-84</u> DATE	<u>[Signature] FOR P.C. HOLLER</u> PROJECT QUALITY ENGINEER	<u>2/16/84</u> DATE
<u>[Signature]</u> CHECKER	<u>2-3-84</u> DATE	<u>James D. Voigt</u> PROJECT QUALITY ASSURANCE ENGINEER	<u>2/21/84</u> DATE

- J. INCORPORATED IN SPEC. _____
REV _____ GROUP SUPERVISOR _____ DATE _____

SPECIFICATION CHANGE NOTICE

E. DESCRIPTION OF CHANGE
(continued)

REVISE NOTE 1 OF TABLE B-2 TO READ AS FOLLOWS:

- 1) VALUES ARE BASED UPON A BOLT SPACING OF TWELVE DIAMETERS AND A MINIMUM EDGE DISTANCE OF SIX DIAMETERS. SUCH SPACING AND EDGE DISTANCE MAY BE REDUCED UP TO 50% WITH AN EQUAL REDUCTION IN THE ALLOWABLE DESIGN LOAD VALUE. LINEAR INTERPOLATION FOR INTERMEDIATE SPACING SHALL BE USED. PRIOR APPROVAL OF PROJECT ENGINEERING IS REQUIRED FOR THE REDUCTION OF ANY ANCHOR BOLT SPACING OR EDGE DISTANCE INVOLVING Q, Z OVER 1 (SEISMICALLY ANALYZED ITEMS), AND NON-Q PROJECT ENGINEERING DESIGNED ITEMS.

NOT TO BE USED
FOR CONSTRUCTION

WHEN GROUTED ANCHORS, OR A GROUTED ANCHOR AND AN EXPANSION ANCHOR OF DIFFERENT DIAMETERS ARE LOCATED NEAR EACH OTHER, THE MINIMUM CENTER TO CENTER SPACING SHALL BE THE SUM OF THE EDGE DISTANCES OF BOTH ANCHORS. HOWEVER, IF THE SUM OF EDGE DISTANCES IS LARGER THAN THE MINIMUM CENTER TO CENTER SPACING OF THE LARGER DIAMETER ANCHOR USE CENTER TO CENTER SPACING OF THE LARGER DIAMETER ANCHOR.

WHEN A GROUTED ANCHOR IS LOCATED NEAR AN EXPANSION ANCHOR OF THE SAME DIAMETER, THE CENTER TO CENTER SPACING SHALL BE THE SUM OF THE MINIMUM EDGE DISTANCES FOR THE EXPANSION AND THE GROUTED ANCHOR. THE MINIMUM EDGE DISTANCES AND CENTER TO CENTER SPACING ARE DEFINED IN APPENDIX C OF SPECIFICATION 7220-C-305 FOR EXPANSION ANCHORS AND AS DEFINED ABOVE FOR GROUTED ANCHORS.