

START

0023326

ENGINEERING CHANGE NOTICE

Page 1 of 3

1. ECN No. ~~XXXXXXXXXX~~ 85349

Proj B-714-103
ECN

2. ECN Category (mark one)
- Supplemental
 - Direct Revision
 - Change ECN
 - Temporary
 - Supersedeure
 - Discovery
 - Cancel/Void

3. Originator's Name, Organization, MSIN, and Telephone No.
R.G. HOLLENBECK, KEH, E6-42, 6-0513

4. Date
10-14-91

5. Project Title/No./Work Order No.
SEE BLOCK 12

6. Bldg./Sys./Fac. No.
218-E-16

7. Impact Level
2/SEC2

8. Document Number Affected (include rev. and sheet no.)SEE BLOCK 12

9. Related ECN No(s).
SEE BLOCK 12

10. Related PO No.
N/A

- 11a. Modification Work
- Yes (fill out Blk. 11b)
 - No (NA Blks. 11b, 11c, 11d)
- UNK**

11b. Work Package Doc. No.
UNKNOWN

11c. Complete Installation Work

Cog. Engineer Signature & Date

11d. Complete Restoration (Temp. ECN only)

Cog. Engineer Signature & Date

12. Description of Change
 BLOCK 5: B-714, GROUTED WASTE DISPOSAL FACILITIES/ER8007
 BLOCK 8: SPECIFICATION B-714-C2, REV 1 (V-B714C2-003, REV 1)
 BLOCK 9: ECN B-714-83, B-714-92 and B-714-99

1) Section 09885

A) Change paragraph 3.4.1 as follows (affects ECN B-714-83, -92 & -99)

3.4.1 Testing and Inspection

3.4.1.1 Before applying primer, test concrete for presence of moisture in accordance with ASTM D 4263. Perform 1 test on upper 10 feet of each inside wall and 1 test on floor. Do not apply primer until tests indicate absence of moisture. Surfaces that have been subjected to standing water after testing shall be retested. Deliver test documentation results to KEH within 8 hours of commencing application.

3.4.1.2 Test for wet film thickness as required to meet specified depth and where directed by KEH.

*** CONTINUED ON PAGE 3 ***

- 13a. Justification (mark one)
- Criteria Change
 - Design Improvement
 - Environmental
 - As-Found
 - Facilitate Const.
 - Const. Error/Omission
 - Design Error/Omission

13b. Justification Details
Update requirements to allow contractor the option of conducting hydrotest with limited number of defects present.

14. Distribution (include name, MSIN, and no. of copies)

<u>KEH DISTRIBUTION</u>		J. K. Epperley	R1-29
Const Doc Cntl	E2-50	J. S. Hill [2]	H4-57
		K. S. McCullough	N1-83
<u>WHC DISTRIBUTION</u>		D. B. Powell [4]	R4-03
Project Files	R1-28	J. E. Vanbeek	R3-27
S. R. Briggs(PE)	R3-27	G. H. Weissberg	R3-10
T. K. Cordray	S1-54	<u>DOE</u>	
STA 10	A3-87	A. G. Lassila	A5-18
STA 6	T2-03		
<u>2122 GARZA</u>	A3-80		

RELEASE STAMP

OFFICIAL RELEASE **13**
 BY WHC
 DATE OCT 25 1991
STA 4



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3.4.1.3 During application of coating, spray test coupon using same equipment and methods as for vault. KEH will provide paper for coupons. Apply coating to steel plates provided by KEH for bond strength tests. Spray and deliver 1 coupon and 2 sets of coated steel plates to KEH for each day application is in progress.

3.4.1.4 Before hydrotest allow applied coating, including repaired areas, to cure for 72 hours. After curing inspect entire surface for pinholes using an electrical holiday detector. Perform inspection in accordance with NACE Standard RP0188 using voltage setting in table 1 unless otherwise recommended by coating manufacturer. Repair and inspect all holidays until all the following criteria are achieved.:

- a. No more than 1 holiday in any one yard square area.
- b. Maximum of 10 holidays in floor.
- c. Maximum of 10 holidays in sidewall.
- d. Maximum of 5 holidays in endwall.

3.4.1.5 After completion of acceptable hydrotest, reinspect bottom 10 feet of walls and entire floor with holiday detector. KEH will determine if inspection above 10 feet is required. Perform inspection in accordance with NACE Standard RP0188 using voltage setting in table 1 unless otherwise recommended by coating manufacturer. Repair all blisters, water bubbles and debonded areas. Repair and inspect holidays detected after hydrotest until all the following criteria are achieved:

- a. No more than 1 holiday in any one yard square area.
- b. Maximum of 10 holidays total.

3.4.1.6 Holiday repair shall be in accordance with paragraph 3.3.7 or as additionally directed by KEH.

B) Para 3.3.8 (affects ECN B-714-99): Change "3.4.1.3" to "3.4.1.4"

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