

# START

0010033

## ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN ~~XXXXXX~~

Proj. ECN B-714-44

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, E6-25, 6-1836

4. Date  
06-14-90

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

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

7. Impact Level  
3

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

9. Related ECN no(s).  
NONE

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, GROUT VAULT PAIR (218-E-16-102 & 103)(218-E-16-104 & 105)/ER8007  
Block 8: Specification B-714-C2, REV 0 (V-B714C2-003, REV 0)

### SECTION 02755

A) Para 1.2.3.1: MODIFY Table 02755-I as follows:

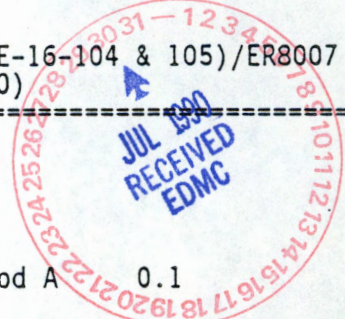
- 1) DELETE: Volatile Loss (max%) ASTM D 1203, Method A 0.1
- 2) CHANGE: Specific Gravity ASTM D 792 0.932 to 0.940

B) Para 2.1.1.2:

- 1) CHANGE Thickness Values column to 60\*\*
- 2) ADD at end of paragraph: \*\*Thickness of flow marks shall not exceed 200% of the nominal liner thickness.

C) Para 3.2.2:

CHANGE 3rd sentence to read: Unroll, position to minimize lineup of flow marks on adjacent sheets, and smooth out folds and wrinkles.



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

13b. Justification Details  
CLARIFICATION OF PROPERTY VALUES FOR LINER MATERIAL SELECTED

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

|                  |       |                 |       |
|------------------|-------|-----------------|-------|
| KEH              |       | L. Garza        | A3-80 |
| Const Doc Cont   | E2-50 | Station 10      | A3-87 |
| Engrg Doc Cont   | E6-52 | J.R. McGee      | S1-54 |
|                  |       | D.B. Powell     | R1-48 |
|                  |       | W.J. Powell (4) | R1-48 |
| WHC Dist         |       | J.E. Vanbeek    | R3-27 |
| Project Files    | R1-28 | D.D. Woodrich   | R1-48 |
| S.R. Briggs (PE) | R3-27 | A.E. Young      | S0-05 |
| O.A. Halverson   | R3-09 | DOE             |       |
|                  |       | A.G. Lassile    | A5-18 |

RELEASE STAMP

OFFICIAL RELEASE BY WHC 48

DATE JUN 15 1990

Station #4

# ENGINEERING CHANGE NOTICE

Page 2 of 2

1. ECN (use no. from pg. 1)

**B-714-44**

**15. Design Verification Required**

Yes  
 No

**16. Cost Impact**

**ENGINEERING**  
Additional  \$ 780  
Savings  \$ \_\_\_\_\_

**CONSTRUCTION**  
Additional  \$ N/A  
Savings  \$ \_\_\_\_\_

**17. Schedule Impact (days)**

Improvement  N/A  
Delay  \_\_\_\_\_

**18. Change Impact Review:** Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SDD/DD <input type="checkbox"/><br>Functional Design Criteria <input type="checkbox"/><br>Operating Specification <input type="checkbox"/><br>Criticality Specification <input type="checkbox"/><br>Conceptual Design Report <input type="checkbox"/><br>Equipment Spec. <input type="checkbox"/><br>Const. Spec. <input type="checkbox"/><br>Procurement Spec. <input type="checkbox"/><br>Vendor Information <input type="checkbox"/><br>OM Manual <input type="checkbox"/><br>FSAR/SAR <input type="checkbox"/><br>Safety Equipment List <input type="checkbox"/><br>Radiation Work Permit <input type="checkbox"/><br>Environmental Impact Statement <input type="checkbox"/><br>Environmental Report <input type="checkbox"/><br>Environmental Permit <input type="checkbox"/> | Seismic/Stress Analysis <input type="checkbox"/><br>Stress/Design Report <input type="checkbox"/><br>Interface Control Drawing <input type="checkbox"/><br>Calibration Procedure <input type="checkbox"/><br>Installation Procedure <input type="checkbox"/><br>Maintenance Procedure <input type="checkbox"/><br>Engineering Procedure <input type="checkbox"/><br>Operating Instruction <input type="checkbox"/><br>Operating Procedure <input type="checkbox"/><br>Operational Safety Requirement <input type="checkbox"/><br>IEPD Drawing <input type="checkbox"/><br>Cell Arrangement Drawing <input type="checkbox"/><br>Essential Material Specification <input type="checkbox"/><br>Fac. Proc. Samp. Schedule <input type="checkbox"/><br>Inspection Plan <input type="checkbox"/><br>Inventory Adjustment Request <input type="checkbox"/> | Tank Calibration Manual <input type="checkbox"/><br>Health Physics Procedure <input type="checkbox"/><br>Spares Multiple Unit Listing <input type="checkbox"/><br>Test Procedures/Specification <input type="checkbox"/><br>Component Index <input type="checkbox"/><br>ASME Coded Item <input type="checkbox"/><br>Human Factor Consideration <input type="checkbox"/><br>Computer Software <input type="checkbox"/><br>Electric Circuit Schedule <input type="checkbox"/><br>ICRS Procedure <input type="checkbox"/><br>Process Control Manual/Plan <input type="checkbox"/><br>Process Flow Chart <input type="checkbox"/><br>Purchase Requisition <input type="checkbox"/><br>_____ <input type="checkbox"/><br>_____ <input type="checkbox"/><br>_____ <input type="checkbox"/> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**19. Other Affected Documents:** (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

|                          |                          |                          |
|--------------------------|--------------------------|--------------------------|
| Document Number/Revision | Document Number/Revision | Document Number/Revision |
| _____                    | _____                    | _____                    |
| _____                    | _____                    | _____                    |
| _____                    | _____                    | _____                    |

**20. Approvals**

|                                   | Signature          | Date           |                             | Signature                        | Date           |
|-----------------------------------|--------------------|----------------|-----------------------------|----------------------------------|----------------|
| <u>OPERATIONS AND ENGINEERING</u> |                    |                | <u>ARCHITECT-ENGINEER</u>   |                                  |                |
| Cog./Project Engineer,            | <u>E. Van Bock</u> | <u>6/15/90</u> | PE                          | <u>K. C. Bunsard</u>             | <u>6/14/90</u> |
| Cog./Project Eng. Mgr.            | <u>J. L. Bock</u>  | <u>6/15/90</u> | QA                          | <u>J. D. Hays</u>                | <u>6/14/90</u> |
| QA                                | <u>J. L. Bock</u>  | <u>6/15/90</u> | Safety                      | <u>J. D. Hays</u>                | <u>6/14/90</u> |
| Safety                            | _____              | _____          | Design                      | <u>PLE E. Lohrey for G. Koci</u> | <u>6/14/90</u> |
| Security                          | _____              | _____          | Other                       | <u>ENVIR David Lyle Fort</u>     | <u>6/14/90</u> |
| Proj. Prog./Dept. Mgr.            | _____              | _____          | <u>SPECS J. E. Breed</u>    | <u>6/14/90</u>                   | _____          |
| Def. React. Div.                  | _____              | _____          | _____                       | _____                            | _____          |
| Chem. Proc. Div.                  | _____              | _____          | _____                       | _____                            | _____          |
| Def. Wst. Mgmt. Div.              | _____              | _____          | <u>DEPARTMENT OF ENERGY</u> |                                  |                |
| Adv. React. Dev. Div.             | _____              | _____          | _____                       | _____                            | _____          |
| Proj. Dept.                       | _____              | _____          | _____                       | _____                            | _____          |
| Environ. Div.                     | _____              | _____          | <u>ADDITIONAL</u>           |                                  |                |
| IRM Dept.                         | _____              | _____          | _____                       | _____                            | _____          |
| Facility Rep. (Ops)               | _____              | _____          | _____                       | _____                            | _____          |
| Other                             | _____              | _____          | _____                       | _____                            | _____          |
| _____                             | _____              | _____          | _____                       | _____                            | _____          |
| _____                             | _____              | _____          | _____                       | _____                            | _____          |

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