

ENGINEERING CHANGE NOTICE

1. ECN 131571

Proj. ECN W-016-87

4. Date 01/08/92

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

3. Originator's Name, Organization, MSIN, and Telephone No.  
K. Anderson, E2-30, 3-3399

5. Project Title/No./Work Order No.  
RMW Storage, CR9605, W-016

6. Bldg./Sys./Fac. No.  
2403 WB, WC, WD

7. Impact Level  
3 / SC3

8. Document Number Affected (include rev. and sheet no.)  
See Block 12

9. Related ECN No(s).  
W016-75, 85

10. Related PO No.  
N/A

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

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

Document Numbers Affected:

Drawing H-2-80901, SH1, 2 of 2, Rev.0,  
Drawing H-2-80895, SH3 of 3, Rev.0.  
Specification W016H-C3, Rev.2,

**APPROVED FOR PUBLIC RELEASE**

*5/11/92 M. Solis*

SC3



Description of Change

- I. Drawing H-2-80901, SH1, Rev.0, Zone C-6  
Revise joint callout in 5'-0" walk at building entrance from "expansion joint" to "contraction joint"
- II. Drawing H-2-80901, SH2, Rev.0
  - 1. Zone D-7  
Revise joint callout in 5'-0" walk at building entrance from "expansion joint" to "contraction joint".
  - 2. Zone D-3 and D-7  
Revise location of joints at building entrances as shown on ECN Pg. 4.

\*\*\* Description of change 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

- Exp/Control joint callouts were conflicting on drawings
- Alternate joint filler allows for better control of joint depth

\*\*\* Justification details continued on Page 3 \*\*\*

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

KEH DISTRIBUTION  
Const Doc Cntl E2-50

WHC DISTRIBUTION  
Project Files R1-28  
N. F. Barilo R3-54  
J. K. Epperley R1-29  
J. R. McGee G6-47  
P. J. McKenna R3-54  
H. E. Wellsfry(PE) G6-47  
T. L. Yount G6-47  
DOE/M. S. Collins A5-18

*WHC Dist*  
STA 10 A3-87  
STA 6 T2-03  
Lupe GARZA A3-80

RELEASE STAMP

OFFICIAL RELEASE BY WHC  
DATE JAN 20 1992  
STA 4

# ENGINEERING CHANGE NOTICE

**15. Design Verification Required**

Yes  
 No

**16. Cost Impact**

ENGINEERING

Additional  \$ 320  
Savings  \$ \_\_\_\_\_

CONSTRUCTION

Additional  \$ 0  
Savings  \$ \_\_\_\_\_

**17. Schedule Impact (days)**

Improvement  0  
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.

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

**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>A.S. Wellfny</u>  | <u>1-15-92</u> | PE <u>[Signature]</u>         | <u>1/17/92</u> |
| Cog./Project Engr. Mgr. <u>[Signature]</u> | <u>1/15/92</u> | QA <u>[Signature]</u>         | <u>1/14/92</u> |
| QA <u>[Signature]</u>                      | <u>1-15-92</u> | Safety <u>[Signature]</u>     | <u>1-14-92</u> |
| Safety _____                               | _____          | Design <u>[Signature]</u>     | <u>1/13/92</u> |
| Security _____                             | _____          | Other ENV. <u>[Signature]</u> | <u>1/13/92</u> |
| Proj. Prog./Dept. Mgr. _____               | _____          | SPECS. <u>[Signature]</u>     | <u>1/14/92</u> |
| Def. React. Div. _____                     | _____          | ARCH. <u>[Signature]</u>      | <u>1-13-92</u> |
| Chem. Proc. Div. _____                     | _____          | _____                         | _____          |
| Def. Wst. Mgmt. Div. _____                 | _____          | _____                         | _____          |
| Adv. React. Dev. Div. _____                | _____          | _____                         | _____          |
| Proj. Dept. _____                          | _____          | _____                         | _____          |
| Environ. Div. _____                        | _____          | _____                         | _____          |
| IRM Dept. _____                            | _____          | _____                         | _____          |
| Facility Rep. (Ops) _____                  | _____          | _____                         | _____          |
| Other _____                                | _____          | _____                         | _____          |
| _____                                      | _____          | _____                         | _____          |
| _____                                      | _____          | _____                         | _____          |
| _____                                      | _____          | _____                         | _____          |

DEPARTMENT OF ENERGY

ADDITIONAL

9 2 1 2 3 8 9 1 4 1 8

III. Drawing H-2-80895, SH3, Rev.0, Zone B-1, 2

Add Note 5 to read as follows:

5. Minimum concrete strength for thrust blocks shall be 2000 psi at 28 days.

IV. Specification W-016H-C3, Rev.2

Section 07920

Revise paragraph 2.1.4 to read as follows:

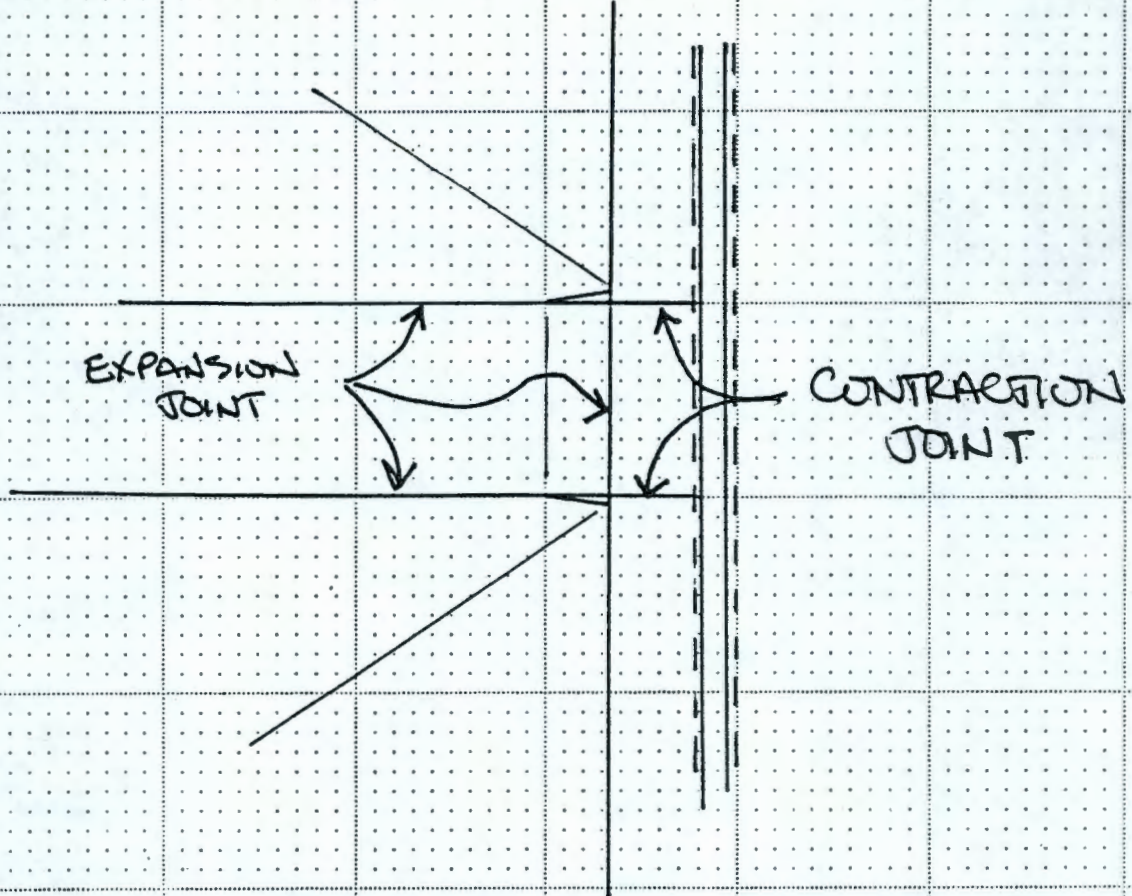
2.1.4 Expansion Joint Materials: Similar to Watson Bowman & Acme Corporation "W" Series, AC Horn Strip Joint, or bituminous type meeting the requirements of ASTM D 994.

Justification Details. Continued from Page 1

- The 28 day compressive strength of concrete used at (3) thrust block locations was found to be less than 3000 psi as specified in construction spec., however, this will not affect the integrity of the structure and is found to be acceptable.

22123991419

|                        |          |           |                           |                                  |                    |            |
|------------------------|----------|-----------|---------------------------|----------------------------------|--------------------|------------|
| Ref. Dwg.<br>H-2-80901 | Sh.<br>2 | Rev.<br>0 | Prepared By<br>K ANDERSON | Checked By<br><i>[Signature]</i> | ECN No.<br>W016-87 | Page<br>44 |
|------------------------|----------|-----------|---------------------------|----------------------------------|--------------------|------------|



ZONE D-3  
(ZONE D-7 SIMILAR)

92123891420