0 009196

ENGINEERING CHANGE NOTICE

Page 1 of 4

1. ECN ~~125884~~

Proj. ECN B-714-29

added per telecon with Kaiser 3-27-90 DSH

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

3. Originator's Name, Organization, MSIN, and Telephone No.: Gary L. Koci, KEH, E6-31, 6-6049

4. Date: 03-12-90

5. Project Title/No./Work Order No.: See Block 12

6. Bldg./Sys./Fac. No.: See Block 12

7. Impact Level: 3

8. Document Number/Affected (include rev. and sheet no.): Specification B-714-C2, Rev. 0 (V-8714C2-003)

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)

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

Block 5: B-714, Grout Vault Pair (218-E-16-102 & 103) (218-E-16-104 & 105) /ER8007
Block 6: 218-E-16-102 & 103 and 218-E-16-104 & 105
Block 9: Related ECN B-714-18, 19 & 20

See pages 3 & 4 for changes to specification

JUN 1990
RECEIVED
EDMC

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

13b. Justification Details

Clarification of testing requirement basis, references and minimum values.

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

KEH DISTRIBUTION

Engrg Doc Cntl	E6-52
Const Doc Cntl	E2-50
Station 10	A3-87
L. Garza	A3-80

WHC DISTRIBUTION

S. R. Briggs(PE) [4]	R3-27
O. A. Halverson	R3-09
J. F. Hill [2]	[illegible]
J. R. McGee	S1-54
D. B. Powell [2]	R1-48
W. J. Powell [4]	R1-48
J. E. Vanbeek	R3-27
D. D. Wodrich	R1-48
A. E. Young	S0-05
Project Files	R1-28
~~DOE~~ DOE: A.G. LASSILA	A5-18
~~A. Boyd~~	~~A5-18~~

RELEASE STAMP

OFFICIAL RELEASE BY WHC
DATE MAR 27 1990
48
Station #4

A-7900-013 (11/88)

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1)
B-714-29

15. Design Verification Required	16. Cost Impact		17. Schedule Impact (days)
	ENGINEERING	CONSTRUCTION	
☒ Yes	Additional ☒ $ 1000	Additional ☒ $ 2000	Improvement ☐ N/A
☐ No	Savings ☐ $	Savings ☐ $	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	☐	Seismic/Stress Analysis	☐	Tank Calibration Manual	☐
Functional Design Criteria	☐	Stress/Design Report	☐	Health Physics Procedure	☐
Operating Specification	☐	Interface Control Drawing	☐	Spares Multiple Unit Listing	☐
Criticality Specification	☐	Calibration Procedure	☐	Test Procedures/Specification	☐
Conceptual Design Report	☐	Installation Procedure	☐	Component Index	☐
Equipment Spec.	☐	Maintenance Procedure	☐	ASME Coded Item	☐
Const. Spec.	☐	Engineering Procedure	☐	Human Factor Consideration	☐
Procurement Spec.	☐	Operating Instruction	☐	Computer Software	☐
Vendor Information	☐	Operating Procedure	☐	Electric Circuit Schedule	☐
OM Manual	☐	Operational Safety Requirement	☐	ICRS Procedure	☐
FSAR/SAR	☐	IEFD Drawing	☐	Process Control Manual/Plan	☐
Safety Equipment List	☐	Cell Arrangement Drawing	☐	Process Flow Chart	☐
Radiation Work Permit	☐	Essential Material Specification	☐	Purchase Requisition	☐
Environmental Impact Statement	☐	Fac. Proc. Samp. Schedule	☐	_____	☐
Environmental Report	☐	Inspection Plan	☐	_____	☐
Environmental Permit	☐	Inventory Adjustment Request	☐	_____	☐

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
OPERATIONS AND ENGINEERING		
Cog./Project Engineer	LR Briggs	3/27/90
Cog./Project Engr. Mgr.	JE VanBeek	3/27/90
QA	[illegible]	3-27-90
Safety	NA	
Security		
Proj.Prog./Dept. Mgr.		
Def. React. Div.		
Chem. Proc. Div.		
Def. Wst. Mgmt. Div.		
Adv. React. Dev. Div.		
Proj. Dept.		
Environ. Div.		
IRM Dept.		
Facility Rep. (Ops)		
Other		

	Signature	Date
ARCHITECT-ENGINEER		
PE	KC Burgard	3-27-90 3-26-90
QA	[illegible]	3-27-90 ~~3/26/90~~
Safety	[illegible]	~~3-26-90~~
Design CIVIL	[illegible]	3/26/90
Other ENVIR	[illegible]	3-26-90
SPECS	[illegible]	3/27/90
DEPARTMENT OF ENERGY		
ADDITIONAL		

CHANGES TO SPECIFICATION B-714-C2

1) SECTION 01300, Para 1.3, SCHEDULE OF SUBMITTALS
ADD:

03301/1.2.19	Manufacturers Data	15	Before Delivery	------

2) SECTION 02145 (affects ECN B-714-19)

A) Article 1.1.1.2: ADD the following reference

M41-01 (CN) -87 Construction Manual

B) Article 2.1.4: CHANGE as follows

Thickness: (mill) to (mil, min)
Fabric Weight: (oz/sq yd) to (oz/sq yd, min)
Water Permeability: (Cm/sec) to (Cm/sec, min)

C) ADD to 2.2.1.1 (a):

Determination of asphalt content will be in accordance with WSDOT Test Method No. 711.

D) CHANGE 2.2.1.1 (c):

Change "1 to 3" to "1 to 4"

E) CHANGE 2.2.2.4:

Change "285 F for AR4000." to "300 F."

F) CHANGE 2.2.2.7:

Change 290 to 325

G) Article 3.5: ADD subparagraph as follows

3.5.2.1 Basis of aggregate acceptance sampling shall be similar to WSDOT M41-01 (CN), Section 9-5.4.

3.5.2.2 Assurance test acceptance shall be based on a running average of three acceptance tests for gradation prior to anti-stripping treatment.

3.5.4.3 KEH will collect minimum one mix acceptance test per 1000 ton or portion thereof in accordance with WSDOT M41-01 (CN), Section 9-5.7.

CHANGES TO SPECIFICATION B-714-C2 CONTINUED

3) SECTION 02147 (affects ECN B-714-20)

A) Article 1.1.1.2: ADD:

M41-01 (CN) -87 Construction Manual

B) Article 2.2.1.1 (a): ADD the following

Determination of asphalt content will be in accordance with WSDOT Test Method No. 711.

C) Article 3.3.2.10: CHANGE to read as follows

Mixture load temperature at time of placement shall not vary more than 20F from delivery temperature at vault site, except in those areas using hand placement methods the minimum temperature referenced in subparagraph 2.2.2.9 shall control.

D) Article 3.4: ADD subparagraphs as follows

3.4.2.1 Basis of acceptance sampling shall be similar to WSDOT M41-01 (CN), Section 9-5.4.

3.4.2.2 Assurance test acceptance shall be based on a running average of five acceptance tests for gradation prior to anti-stripping treatment.

E) REPLACE 3.4.4 with the following

3.4.4 Samples

3.4.4.1 KEH will collect minimum one representative aggregate sample from stock piled material before each day or partial day production of diffusion break material to determine residual lime coverage.

3.4.4.2 KEH will collect minimum one acceptance test per 1000 ton or portion thereof in accordance with WSDOT M41-01 (CN), Section 9-5.7.

4) SECTION 02755

CHANGE 1.2.3.1:

Change Melt Flow Index Value from "0.3" to "1.0"

5) SECTION 03301 (related to ECN B-714-18)
ADD 1.2.19 as follows

1.2.19 Manufacturers Data: Provide basic data defining material type, grade, and hardness for neoprene sheeting meeting the requirements of paragraph 2.1.9.