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FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN - 0195

REV 0

PAGE 1 OF 3

DCN TITLE
Revised Testing Spec. for
Grounding Resistance

DATE INITIATED

06-15-94

PACKAGE NO.
A170

SECTION 1: DESCRIPTION OF CHANGE

1. Revised ground loop earth resistance requirements.

CAUSE OF CHANGE:

- Field Change Request
- Supplier Disposition
- Deficiency Report
- Design Development
- Change Request
- TBD/Hold
- Other _____

FRR-01039A

Initiating Document(s)
SDR C170-07-5092-
728

FOR LIST OF AFFECTED DOCUMENTS, SEE SECTIONS 6 AND 7.

SECTION 2: EVALUATION

WAPA DWG/SPEC? NO YES
 QUALITY LEVEL 1 DWG/SPEC? NO YES
 SAFETY CLASS 1 OR 2 DWG/SPEC? NO YES
 SYSTEMS ANALYSES AFFECTED? NO YES
 MULTI-DISCIPLINE CHANGE? NO YES

IF "YES", ADDITIONAL
REVIEW REQUIRED BY:

REVIEWER COMMENTS
AND SIGNATURE/DATE

DCN Evaluated by: Systems *[Signature]* ADM *[Signature]* Others _____

SECTION 3: APPROVED FOR CONSTRUCTION

[Signature] 6/20/94 *[Signature]* *[Signature]* 6/20/94
 Originator Date Project/Resident Engineer Date

SECTION 4: CONCURRENCE

Project Management _____ Date
 Systems _____ Date
 Independent Safety _____ Date
 Quality Assurance _____ Date
 Configuration Management _____ Date

SECTION 5: RELEASED FOR CONSTRUCTION

PE STAMP REQUIRED? NO YES

WHC _____ Date
 UCAT _____ Date
 DOE _____ Date

COMMENTS:

9513358.0733



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DISCIPLINE

Electrical

PKG. NO.

A170

PAGE

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PREPARED BY: M. Weimer

Date: 06-20-94

DESIGN CHANGE NOTICE

DISCIPLINE ENGINEER: *K.K. Srivastava* K. K. Srivastava

Date: 06-20-94

SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
Specification 16905	5	1	Electrical Testing	Y	Revised Paragraph 3.2.3.3 for loop earth resistance requirements.

SECTION 7: NON-CONSTRUCTION DOCUMENTS AFFECTED

This section references affected items such as P&IDs or calculations/analyses, but they are generally not included in DCN package.

DOCUMENT NUMBER	SHT/PAGE	REV NO	DOCUMENT NAME	DESCRIPTION OF CHANGE
N/A				

9513358.0734

3.2.3.3 The earth resistance of each ground electrode shall be measured and recorded before electrodes are connected to the grounding loop. ~~Electrodes in each ground loop shall be sufficient to give a ground loop earth resistance less than one ohm. Ground loop electrode tests may be suspended upon achieving required loop resistance.~~ Ground loop resistance tests shall comply with NEC.

 FLUOR DANIEL		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE					
DESCRIPTION OF CHANGE Revised ground loop earth resistance requirements.				BASE DOC. NO. A170-16905 SHT/PG. 5 REV. 0					
				DISCIPLINE: Electrical					
PREPARED BY: M. Weimer		DATE: 06-20-94		DCN - 0195	<table border="1"> <tr> <td>REV</td> <td>PAGE</td> </tr> <tr> <td>0</td> <td>3</td> </tr> </table>	REV	PAGE	0	3
REV	PAGE								
0	3								
DISCIPLINE ENGINEER: K. K. Srivastava <i>kk Srivastava</i>		DATE: 06-20-94							