

COMANCHE PEAK REVIEW TEAM
POPULATION DESCRIPTION

Page 1 of 2

POPULATION NAME: FUEL POOL LINERS

PREPARED BY: Steven Popper
RESPONSIBLE QA/QC SUPPORT ENGINEER

DATE: JULY 22, 1985

SYSTEM, COMPONENTS, AND STRUCTURES:

This population consists of the stainless steel liners* identified as part of the fuel building structure classification listed in Section 17A of the FSAR. The individual areas related to this population are provided on Attachment 1.

POPULATION BOUNDARY:

Items listed below (for Unit 1, Unit 2 and common areas) that are construction complete and final QC accepted up to and including July 1, 1985 are included in the population:

- ° liner plates for floor and wall
- ° thickened plates serving as local reinforcement for attachments
- ° penetration sleeves attached integrally to liner

The following items are not included in the population:

- ° fuel transfer tube and bellows
- ° embedments in the base mat not an integral part of the liner boundary
- ° attachments to liner, thickened plate, or penetrations
- ° pool gates
- ° piping within the pool

SPECIFIC INTERFACES:

- ° Between liner and transfer tube outer sleeve
- ° Between liner and embedments into the base mat
- ° Between liner or thickened plate and anchorage for supports
- ° Between penetrations^{pieces} and attached piping *APR 5/85*

* Note, this population has been separated from the general population of Liners because the contractor for these areas was different than those included by the Liner population.

8606230359 860609
PDR FOIA
GARDE86-36 PDR

APPROVED BY: Robert H. Brown
QA/QC LEAD DISCIPLINE ENGINEER

DATE: 7/24/85

APPROVED BY: Albert A. Patten
QA/QC REINSPECTION ENGINEERING
SUPERVISOR

DATE: 8/8/85

COMANCHE PEAK REVIEW TEAM
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POPULATION NAME: FUEL POOL LINERS

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DATE: JULY 22, 1985

ATTACHMENT 1

- ° Spent fuel storage liner
- ° Fuel transfer canal liner
- ° Cask washdown pit liner

**COMANCHE PEAK REVIEW TEAM
CHECKLIST**

POPULATION DESCRIPTION

CABLES

POP. NO. I-E-CABL

DATE: 7-18-85

PAGE 2 OF 2

REINSPECTION ☒

DOCUMENT REVIEW ☐

UNIT: 1 ☒ 2 ☐

COMMON AREA ☐

EQUIPMENT MARK/TAG NO.

EG123625Z

EQUIP/SAMPLE DESCRIPTION

CONTROL CABLE

VERIFICATION PKG. NO.

I-E-CABL-004

PAGE 2 OF 2

ATTRIBUTE	VERIFICATION			REMARKS (special instr. deviation no. etc.)
	ACCEPT	REJECT	DATE	
9) Separation	a LPH		8-14-85	
	b1 N/A	N/A	8-14-85 LPH	(SBM) NOT INSTALLED AROUND CABLE
	b2 N/A	N/A	8-14-85 LPH	(SBM) NOT INSTALLED AROUND CABLE
	b3 N/A	N/A	8-14-85 LPH	(SBM) NOT INSTALLED AROUND CABLE
10) Splices/ Repairs	a LPH		8-14-85	
	b N/A	N/A	8-14-85 LPH	NO OBSERVABLE SPLICES
	c N/A	N/A	8-14-85 LPH	NO OBSERVABLE HEAT SHANK
	d N/A	N/A	8-14-85 LPH	NO SMALLER SIZE CABLE SPLICES
11) Terminations *	a LPH		8-14-85	PEN-E16 NOT ACCESSIBLE FOR INSPECTION
	b N/A	N/A	N/A	NOT 8KV CABLE LPH 8-14-85
	c N/A	N/A	8-14-85 LPH	NOT 8KV CABLE
	d N/A	N/A	8-14-85 LPH	NOT 8KV CABLE
	e LPH		8-14-85	
	f1 N/A	N/A	8-14-85 LPH	NO OBSERVABLE LUGS
	f2 N/A	N/A	8-14-85 LPH	NO OBSERVABLE LUGS
	f3 N/A	N/A	8-14-85 LPH	NO OBSERVABLE LUGS
	f4 N/A	N/A	8-14-85 LPH	NO OBSERVABLE LUGS
	f5 N/A	N/A	8-14-85 LPH	NO UNINSULATED TERMINALS
	f6 N/A	N/A	8-14-85 LPH	NO OBSERVABLE LUGS
	f7 N/A	N/A	8-14-85 LPH	NO OBSERVABLE LUGS
	g N/A	N/A	8-14-85 LPH	NO OBSERVABLE LUGS
	h N/A	N/A	8-14-85 LPH	NO THERMOCOUPLE EXTENSION WIRES
	i N/A	N/A	8-14-85 LPH	NO OBSERVABLE IN-LINE CONNECTIONS
	j N/A	N/A	8-14-85 LPH	NO OBSERVABLE IN-LINE OR BOLTED C.C. N.
	k LPH		8-14-85	
	l N/A	N/A	8-14-85 LPH	NO FIELD INSTALLED COMPONENTS
	m LPH		8-14-85	
12) Tie Downs	a N/A	N/A	8-14-85 LPH	NOT MAINTAINED SPACE CABLE
	b N/A	N/A	8-14-85 LPH	NOT MAINTAINED SPACE CABLE
	c N/A	N/A	8-14-85 LPH	NO OBSERVABLE HOLES DRILLED IN TRAY

FOIA-86-36
A/42

**COMANCHE PEAK REVIEW TEAM
CHECKLIST**

POPULATION DESCRIPTION CABLES				POP. NO. I-E-CABL DATE: 7-18-85 PAGE 1 OF 2	
REINSPECTION ☒ Y DOCUMENT REVIEW ☐				UNIT: 1 ☒ 2 ☐ COMMON AREA ☐	
EQUIPMENT MARK/TAG NO. EG123625Z		EQUIP/SAMPLE DESCRIPTION CONTROL CABLE		VERIFICATION PKG. NO. I-E-CABL-004 PAGE 1 OF 2	
ATTRIBUTE	VERIFICATION			REMARKS	
	ACCEPT	REJECT	DATE	(special instr. deviation no. etc.)	
1) Size/Type/ Color	a LPH		8-14-85		
	b LPH		8-14-85		
	c LPH		8-14-85		
	d LPH		8-14-85		
2) Damage	a LPH		8-14-85		
	b LPH		8-14-85		
3) Spacing (Power Cables)	a N/A	N/A	LPH 8-14-85	NOT MAINTAINED SPACED CABLE	
	b N/A	N/A	LPH 8-14-85	NOT MAINTAINED SPACE CABLES	
4) Slack	a N/A	N/A	LPH 8-14-85	NO FLOOR OR SKID MOUNTED EQUIPMENT	
	b N/A	N/A	LPH 8-14-85	NOT BETWEEN ADJACENT BUILDINGS	
	c LPH		8-14-85		
	d N/A	N/A	LPH 8-14-85	NOT N.I.S. CABLE	
5) Identification	a LPH		8-14-85	PEN-E16 NOT ACCESSIBLE FOR INSPECTION	
	b LPH		8-14-85	PEN-E16 NOT ACCESSIBLE FOR INSPECTION	
6) Routing	LPH		8-14-85	* DESTINATION: JB1C0696 ACCESSIBLE PEN-E16 NOT ACCESSIBLE COVERED WITH (SBM) VERIFIED WITH SIGNAL GENERATOR AND RELATED PER DRAWINGS FSE-00032 & E1-0507 R/S	
7) Bend Radius	LPH		8-14-85		
8) Supports	a LPH		8-14-85		
	b LPH		8-14-85		
	c LPH		8-14-85		
	d LPH		8-14-85		
PREPARED BY <i>Frank R Perrine</i>	DATE 7/18/85	APPROVED BY <i>W.D. Bailey for A Patterson</i>	DATE 7/18/85	APPROVED BY <i>J.L. Hance</i>	DATE 7/18/85
DISCIPLINE ENGR.		REINSP. ENGR. SUPRV.		REVIEW TEAM LEADER	
PROCESSED BY <i>A.A. Perrine</i>	DATE 7/31/85	APPROVED BY <i>B.H.</i>	DATE 7/31/85	<i>J.L. Hance</i> 7/18/85	
DISCIPLINE ENGR.		LEAD DISCIPLINE ENGR.			
INSPECTED BY <i>L.P. Hume</i>	DATE 8-14-85	POP. INSPECT. PROCED. QI-014 REV.: 0 DATE: 7-18-85		APPROVED BY <i>M. Keathley</i>	DATE 8-16-85
INSPECTOR		LEAD INSPECTOR			

8/14/85

ISAP VII.c. Reinspection of Cable..
(In Process)

VERIF. PKG NO. I-E-CABL-004
EQUIP NO. EG 123625 Z.

Documents: See Verification Log Index.

LOCATION: Inside Containment 225°
Floor Elev. 808' against Cont. Wall.

SIZE / TYPE / COLOR:

5C - 12 AWG - 600 Volt Control,

No deviations:

Green.

DAMAGE:

Slack: was 2" slack in cable loop ok.
No deviations

SPACING: (Per Cable) N/A.

IDENTIFICATION:

N/A

Tefzel (yes) but - not required in
tags. Some bare wires

N/A

Penetration E-16 1-88793
Sil Temp covered

8/14/85

Routine

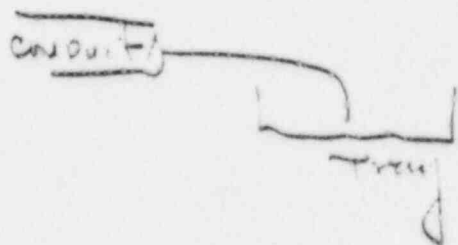
used cable tracer:

Biddle
Brunt Faultfinder
Model 74

No. deviations

Bend Radius

no deviation



Supports:

n/a no cable grips
eg... (see ~~last~~ ^{leg} < 100 ft attach 6.2)

SEPARATE

Additional information was req'd by ^{E2C} Engr.
to clarify Para. 5.9 as follows:

- SS bands were not 2" from either end of tray section

T13 GRCL Node ?

- SS bands were greater than 9" apart (T13 GRCL ?)
- Compress around the SBM revealed looseness of the SS bands
(Clarification of QI req'd)

8/14/85

SPLICING / REPAIRS : Not identified.
N/A.

TERMINATIONS

Used Weidmuller TB
gauge tool to
verify use at SAK 6N
for 12 gauge wire connection.

Remains. Attributes of Para 5.11
is not applicable.

PHYSICAL ATTRIBUTES OF TERMINATIONS:

same as above
(Weidmuller configuration.)

TIE DOWNS : bundles tied to
rungs.
No deviations.

INFO

COMANCHE PEAK REVIEW TEAM
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CABLES

POP. NO. I-E-CABL

DATE: 7-18-85

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REINSPECTION

☒

DOCUMENT REVIEW

☐

UNIT:

☒

2

☐

COMMON AREA

☐

EQUIPMENT MARK/TAG NO.

EG123625Z

EQUIP/SAMPLE DESCRIPTION

CONTROL CABLE

VERIFICATION PKG. NO.

I-E-CABL-004

PAGE OF

ATTRIBUTE	VERIFICATION			REMARKS (special instr. deviation no. etc.)
	ACCEPT	REJECT	DATE	
1) Size/Type/ Color	a			
	b			
	c			
	d			
2) Damage	a			
	b			
3) Spacing (Power Cables)	a			
	b			
4) Slack	a			
	b			
	c			
	d			
5) Identification	a			
	b			
6) Routing				
7) Bend Radius				
8) Supports	a			
	b			
	c			
	d			

PREPARED BY	DATE	APPROVED BY	DATE	APPROVED BY	DATE
Frank R. Lawrence	7/18/85	W.D. Bailey for A. Patterson	7/18/85	J. L. Hance	7/18/85
DISCIPLINE ENGR.		REINSPE. ENGR. SUPRV.		REVIEW TEAM LEADER	
PROCESSED BY	DATE	APPROVED BY	DATE		
A. R. Lawrence	7/18/85	B. L. Hance	7/18/85	J. L. Hance	7/18/85
DISCIPLINE ENGR.		LEAD DISCIPLINE ENGR.			
INSPECTED BY	DATE	POP. INSPECT. PROCED.		APPROVED BY	DATE
		REV.:	DATE:		
INSPECTOR				LEAD INSPECTOR	

**COMANCHE PEAK REVIEW TEAM
CHECKLIST**

POPULATION DESCRIPTION CABLES			POP. NO. 1-E-CABL DATE: 7-18-85. PAGE 2 OF 2	
REINSPECTION ☒ X DOCUMENT REVIEW ☐			UNIT: 1 ☒ 2 ☐ COMMON AREA ☐	
EQUIPMENT MARK/TAG NO. EG 123625Z		EQUIP/SAMPLE DESCRIPTION CONTROL CABLE		VERIFICATION PKG. NO. I-E-CABL-004 PAGE OF
ATTRIBUTE	VERIFICATION			REMARKS
	ACCEPT	REJECT	DATE	(special instr. deviation no. etc.)
9) Separation	a			
	b1			
	b2			
	b3			
10) Splices/ Repairs	a			
	b			
	c			
	d			
11) Terminations	a			
	b			
	c			
	d			
	e			
	f1			
	f2			
	f3			
	f4			
	f5			
	f6			
	f7			
	f8			
12) Tie Downs	a			
	b			
	c			

8/14/85

Verl. No. I - E / CABL 094

Cable No. EG-12362157Z

Tran B

Floor } 808'
Eleva }

Inside Contain @ 225°

{ Level II Emergency Sumola
Level III starting Key Heli (Sur)
and II Loran Hunk

Use of Cable Tracer - (w/ green Jack) 5/C - 12 AWG
control 335 ft leg.

Starts @ junction box
a conduit inner wall
to cable tracing

Penetration 1-8879B

Air 25
Tray T13GRCL 55

C13G 07378

JB 1C 085G Junction Box

C13G 07689

JB 1C 069G Junction Box

Cable S E1-1700 3333 - E1-1700

Issue 334

DATE 11/21/84

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8/14/86

Para 5.12 The lower

b, overlaid by level II irregular.

Ref to finger for
cut to fracture - days to above

Para. 5.9.2.b.

2 miles -
9 miles
comp.