

START

9513336.1522

0040192



Mr. John Grantham
State of Washington
Department of Ecology
Nuclear & Mixed Waste Program
P. O. Box 47600
Olympia, WA 98504-7600

FLUOR DANIEL, INC.

Date: October 12, 1993

Reference: Hanford Waste Vitrification Plant
DOE Contract DE-AC06-86RL10838
Fluor Contract 8457

Transmittal No.: WDOE-666

Dear Mr. Grantham:

TRANSMITTALWe enclose 2 copy of the items listed below. These are issued per US-DOE request.Response due to Fluor: N/AResponds to: A160 PACKAGE

NUMBER	REV	DATE	TITLE
DCN - # 0119	0	10/08/93	DCN TITLE: SPECIFICATIONS FOR FLOW MELTER AND PRESSURE TRANSMITTER TO BE ADDED PER CR-1056 "APPROVED FOR CONSTRUCTION"

Reference: FRP-1241, FUP-675

Distribution:

R. L. Long: DOE-RL, w/0

TWP/AME Corresp Cntrl Cntr, MSIN A5-10
(A160 PACKAGE), w/0

P. Felise, WHC-RL (MSIN G6-06), w/1

Environmental Data Management Center
(MSIN H6-08), w/1

D. Duncan, US EPA, Region X, w/0

Very truly yours,

Rosalie Cadenas for
R.S. Poulter
Project Director



RSP:DK:lh

**FLUOR DANIEL**US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT**DESIGN CHANGE NOTICE**

DCN

9563336-1523

REV 0

PAGE 1 OF 4

DCN TITLE

Specifications for
flow meter and pressure
transmitter to be added ^{per} CR1056

DATE INITIATED

10/6/93

PACKAGE NO.

A160

SECTION 1: DESCRIPTION OF CHANGE

Per CR1056, a flow totalizing meter is to be added in the main sanitary water line supply from south of 4th St. Also, a pressure indicating transmitter is to be added in the fire water line downstream of the jockey pump, PX-500-004, in the Site Fire Water Pump House. This DCN provides the specifications for the meter and pressure transmitter.

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

CAUSE OF CHANGE:

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

CR 1056 RI
Initiating Document(s)**SECTION 2: EVALUATION**

	IF "YES", ADDITIONAL REVIEW REQUIRED BY:	REVIEWER COMMENTS AND SIGNATURE/DATE
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	_____	_____
DCN Evaluated by: Systems <u>[Signature]</u> ADM <u>[Signature]</u> Others _____		

SECTION 3: APPROVED FOR CONSTRUCTION

Shirley Kennedy 10/6/93 M. H. Featherston 10/8/93
Originator Date Project/Resident Field Engineer Date

SECTION 4: CONCURRENCE

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

SECTION 5: RELEASED FOR CONSTRUCTIONPE STAMP REQUIRED? ☐ NO ☒ YES

WHC _____ Date _____
UCAT _____ Date _____
DOE _____ Date _____

COMMENTS:



FLUOR DANIEL

US DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DCN - 0119

REV 0

DISCIPLINE
Control
Systems

PKG. NO.

A160

PAGE

2

PREPARED BY:

D.M. Kennedy

Date:

10/6/93

DISCIPLINE ENGINEER:

A. Sanburg

Date:

10-7-93

SECTION 6: CONSTRUCTION DOCUMENTS AFFECTED

DOCUMENT NUMBER	SHT/ PAGE	REV NO	DOCUMENT NAME	INCLD Y/N	DESCRIPTION OF CHANGE
B-595-C - A160-17801		2	Mechanical Site Utilities Instrumentation	Y	Added Instruments ; FAI - SWX - 013 (Flow Totalizing Meter) PIT - FWX - 389 (Pressure Indicating Transmitter)
H-2-121203	1	1	Instrument Location Plan BLDG. 20		Added PIT-FWX-389
H-2-121424	1	0	Instrument Installation Details		Added Detail 2 Pressure-Transmitter Liquid Service.
B-595-C - A160-17704, ATTACHMENT B		4	General Instrument Installation And Testing (Installation Index)		Added PIT-FWX-389

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
123359	1	7	P&ID System 49 Sanitary Water System	Addition of FAI - SWX - 013
123358	2	8	P&ID System 50 Fire and Process Water Storage	Addition of PIT - FWX - 389

Section 2 Insert (for A160-17801)

PRESSURE INDICATING TRANSMITTER

The following pressure indicating transmitter shall be assembled, furnished and installed:

Tag No: PIT-FWX-389
 Range: 0-220 psig
 Operating Press: 100 psig
 Mounting: 2" yoke

Transmitter shall be two wire electronic type with 4-20 mA DC output signal

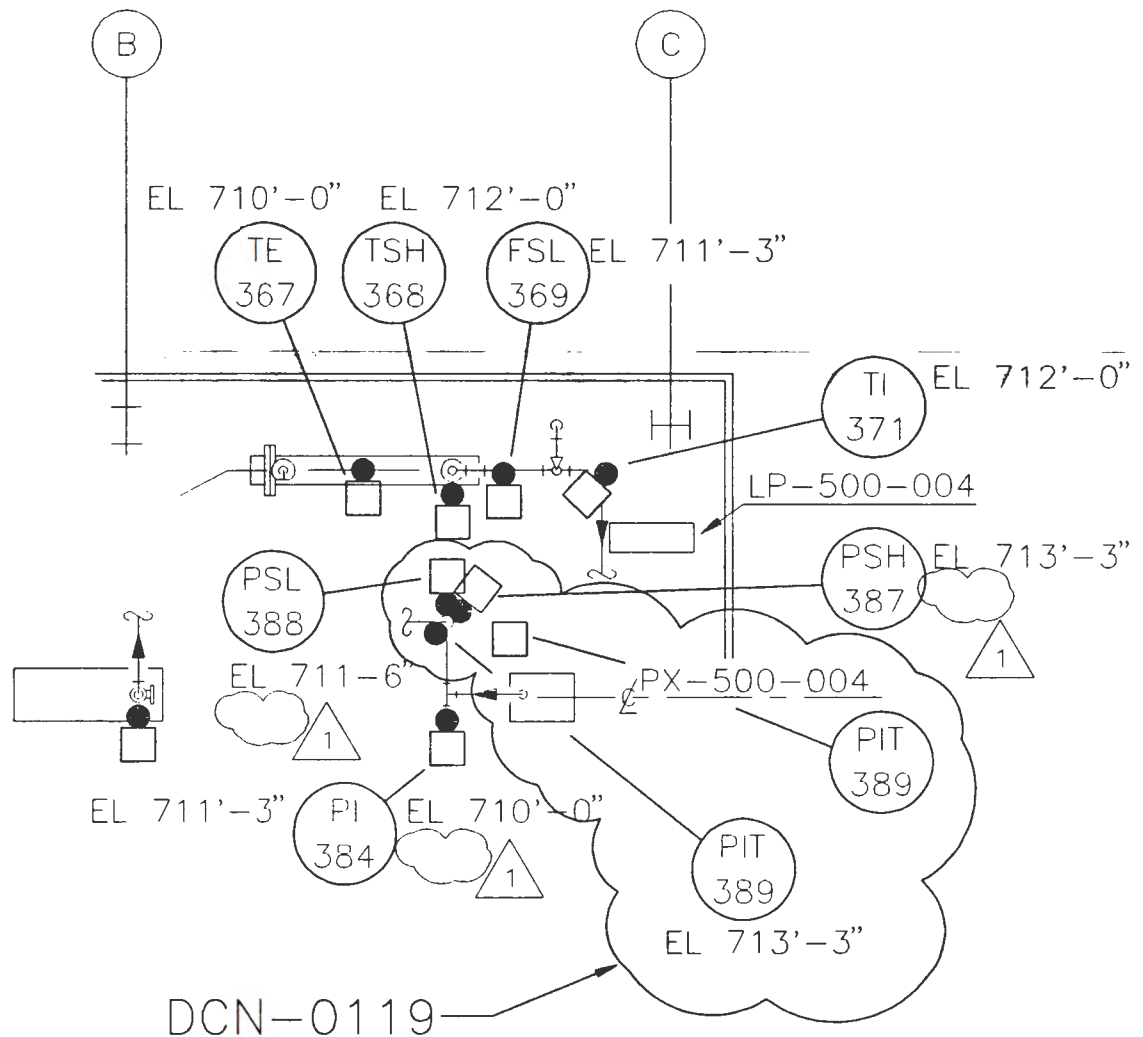
FLOW TOTALIZING METER

The following flow totalizing meter shall be assembled, furnished and installed:

Tag No: FAI-SWX-013
 Range: 100-1500 gpm
 Normal Flow: 700 gpm
 Mounting: 150 lb R.F. Flange

A suggested meter is the BROOKS propeller meter Model 3352

 FLUOR DANIEL		U.S. DEPARTMENT OF ENERGY HANFORD WASTE VITRIFICATION PLANT		DESIGN CHANGE NOTICE	
DESCRIPTION OF CHANGE				BASE DOC. NO. B-595-G A160-17801	
				SHT/PG REV 2	
				DISCIPLINE: Control Systems	
PREPARED BY: <i>Shirley Kennedy</i>		DATE: 10/6/93		REV PAGE	
DISCIPLINE ENGINEER: <i>Allen Danbury</i>		DATE: 10-7-93		DCN - 0119 0 3	



FLUOR DANIEL

U.S. DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE:

SPECIFICATIONS FOR FLOW
METER AND PRESSURE TRANSMITTER
TO BE ADDED PER CR1056

BASE DOC. NO. H-2-121203

SHT/PG. 1

REV. 1

CR NO. 1056

DISCIPLINE: CONTROL SYS

PREPARED BY: *Richard J Robert*

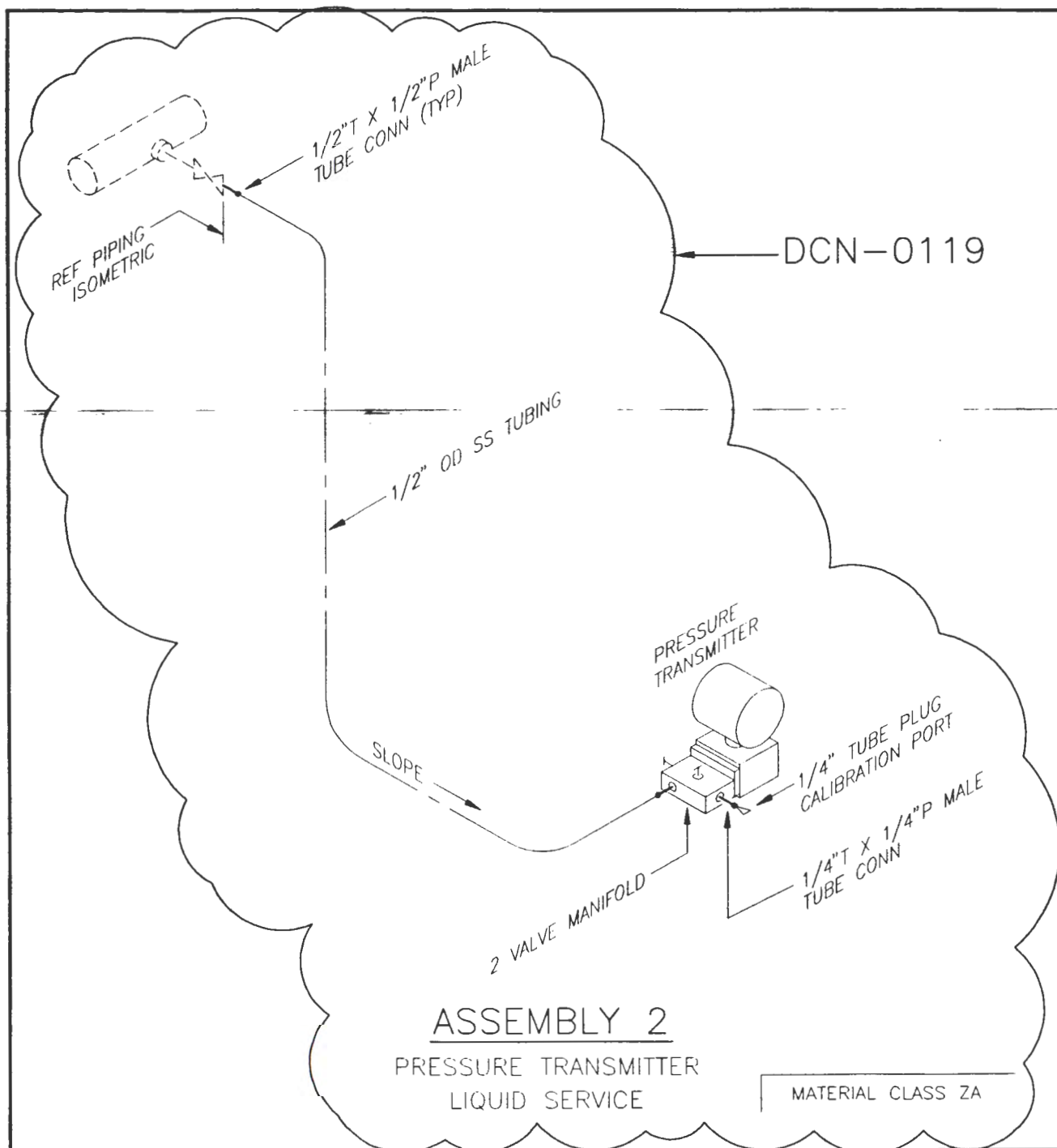
DATE: 10/7/93

DISCIPLINE ENGINEER: *Allen Sanbury*

DATE: 10-7-93

DCN-0119

REV.
0PAGE
4



U.S. DEPARTMENT OF ENERGY
HANFORD WASTE VITRIFICATION PLANT

DESIGN CHANGE NOTICE

DESCRIPTION OF CHANGE:

SPECIFICATIONS FOR FLOW
METER AND PRESSURE TRANSMITTER
TO BE ADDED PER CR1056

BASE DOC. NO. H-2-121424

SHT/PG. 1

REV. 0

CR NO. 1056

DISCIPLINE: CONTROL SYS

PREPARED BY:

Richard J Robert

DATE:

10/7/93

DISCIPLINE ENGINEER:

Allen Sanburg

DATE:

10/7/93

DCN-0119

REV.

0

PAGE

5

ACAD

RR
10/07/93

D=DIRECT
E=ELECTRICAL
P=PROCESS PIPING
C=COMBINATION

REV			P&ID		(NEW) INSTRUMENT TAG NUMBER	PNL \ RACK	INSTR TYPE	LOCATION PLAN DWG	INSTALLATION ASSEMBLIES				ELECTRICAL	TEST PRESS	NOTES
	BDG	RM	NUMBER	SHT					PROCESS	PNEUMATIC	IAS	SUPPORT	INSTL ASSY		
1	20	--	123358	02	YC-FWX-363	LP-500-007	E	121203	---	---	---	---	---	---	---
1	20	--	123358	02	PI-FWX-364	NA	P	121203	121422/3	---	---	---	---	165	---
1	20	--	123358	02	HS-FWX-367	LP-500-006	E	121203	---	---	---	---	---	---	2
1	20	--	123358	02	JIC-FWX-367	LP-500-006	E	121203	---	---	---	---	---	---	2
1	20	--	123358	02	TE-FWX-367	NA	C	121203	---	---	---	---	X11	---	3
1	20	--	123358	02	TIC-FWX-367	LP-500-006	E	121203	---	---	---	---	---	---	2
1	20	--	123358	02	YC-FWX-367	LP-500-006	E	121203	---	---	---	---	---	---	2
1	20	--	123358	02	TAH-FWX-368	LP-500-007	E	121203	---	---	---	---	---	---	---
1	20	--	123358	02	TSH-FWX-368	NA	C	121203	---	---	---	---	X02	---	---
1	20	--	123358	02	TW-FWX-368	NA	P	W/TSH	---	---	---	---	---	---	---
1	20	--	123358	02	FSL-FWX-369	NA	C	121203	---	---	---	---	---	---	3
1	20	--	123358	02	PSV-FWX-370	NA	P	124033	---	---	---	---	---	---	1
1	20	--	123358	02	TI-FWX-371	NA	D	121203	---	---	---	---	---	---	---
1	20	--	123358	02	TW-FWX-371	NA	D	W/TI	---	---	---	---	---	---	---
1	20	--	123358	02	HS-FWX-383	LP-500-004	E	121203	---	---	---	---	---	---	2
1	20	--	123358	02	YC-FWX-383	LP-500-004	E	121203	---	---	---	---	---	---	2
1	20	--	123358	02	PI-FWX-384	NA	P	121203	121422/3	---	---	---	---	165	---
2	20	--	123358	02	PH-FWX-387	LP-500-004	E	121203	---	---	---	---	---	---	2
1	20	--	123358	02	PSH-FWX-387	NA	C	121203	121422/1	---	---	---	X02	165	3
1	20	--	123358	02	PSL-FWX-388	NA	C	121203	121422/1	---	---	---	X02	165	3
1	20	--	123358	02	PL-FWX-388B	LP-500-004	E	121203	---	---	---	---	---	---	2
2	20	--	123358	02	FE-SWX-711	NA	D	W/FIT	W/FIT	---	---	---	---	---	---
2	20	--	123358	02	FIT-SWX-711	NA	C	121203	121423/1	---	---	121380/1	X03	165	---
2	20	--	123358	02	FI-SWX-711B	LP-500-007	E	121203	---	---	---	---	---	---	---
1	20	--	123358	02	HS-SWX-714	LP-500-007	E	121203	---	---	---	---	---	---	---
1	20	--	123358	02	YC-SWX-714	LP-500-007	E	121203	---	---	---	---	---	---	---

DBASE\A160\I A160.FRM

20

123358 02 PIT-FWX-389

NA

C

121203

121424/2

121380/1

X03

165

DCN-0119

DCN-0119 PAGE 4