



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: June 4, 1993

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

Transmittal No.: WDOE-447R1
 REVISION: June 7, 1993

Dear Mr. Grantham:

TRANSMITTAL

We enclose * copy of the items listed below. These are issued per US-DOE request.
 * 2 FULLSIZE, 1 REDUCED, 2 SPECIFICATION

Response due to Fluor: N/A
 Responds to: A160 PACKAGE

NUMBER	REV	DATE	TITLE
SEE TRANSMITTAL ATTACHMENT	-----	-----	A160 PACKAGE REV 5 MECHANICAL SITE UTILITIES
			NOTE: A160 AFC REV 4 IS TRANSMITTED ON WDOE-426 DATED June 4, 1993
			NOTE: A160 REV 4 ISSUED ON WDOE-436 WAS INADVERTENTLY DUPLICATED. THE NEW TRANSMITTAL IS WDOE-426.

Distribution:

Reference: FRP-975R1, FUP-484R1
 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/1F & 1 SPEC
 Environmental Data Management Center
 (MSIN H6-08), w/1F & 1 SPEC
 D. Duncan, US EPA, Region X, w/0

Very truly yours,

Rossie Cadenas for
 R. S. Poulter
 Project Director

RSP:MHF:ts



TRANSMITTAL ATTACHMENT FOR PACKAGE SPECIFICATIONS

<u>SPEC NUMBER</u>	<u>PKG SIGN DATE</u>	<u>PKG REV</u>	<u>SECT REV</u>	<u>SECTION</u>	<u>SECTION TITLE</u>
B-595-C-A160	A160	3		MECHANICAL SITE UTILITIES	
			2	02220	EXCAVATION AND BACKFILL
			2	02730	SANITARY SEWER SYSTEM
			2	13120	BUILDING ACCESSORIES
			2	15061	PPNG MATL FAB ERECTION AND PRESS TSTG (CARBON STEEL, IRON AND NONMETALLIC)
			2	17703	INSTRUMENT PIPING MATERIALS
			2	17704	GENERAL INSTRUMENTATION INSTALLATION AND TESTING
			2	17801	MECHANICAL SITE UTILITIES INSTRUMENTATION

TRANSMITTAL ATTACHMENT FOR PACKAGE DRAWINGS

PACKAGE NUMBER: A160

<u>DRAWING NUMBER</u>	<u>SHT NO.</u>	<u>REV</u>	<u>DATE</u>	<u>DRAWING TITLE</u>	<u>SOFTWARE</u>
H-2-117151	1	4	06/02/93	CIVIL UNDERGROUND UTILITY INFORMATION SHEET	A
H-2-117152	1	4	06/02/93	CIVIL UNDERGROUND UTILITY PLAN	A
H-2-117153	1	4	06/02/93	CIVIL UNDERGROUND UTILITY PLAN	A
H-2-117154	1	4	06/02/93	CIVIL UNDERGROUND UTILITY PLAN	A
H-2-117155	1	4	06/02/93	CIVIL UNDERGROUND UTILITY PLAN	A
H-2-117156	1	4	06/02/93	CIVIL UTILITY PLAN	A
H-2-117158	1	4	06/02/93	CIVIL UTILITY PLAN	A
H-2-117159	1	4	06/02/93	CIVIL UNDERGROUND UTILITY PLAN	A
H-2-117160	1	4	06/02/93	CIVIL UNDERGROUND UTILITY PLAN	A
H-2-117161	1	2	06/02/93	CIVIL UNDERGROUND UTILITIES SECTIONS & DETAILS	A
H-2-117162	1	2	06/02/93	CIVIL UNDERGROUND UTILITIES SECTIONS & DETAILS	A
H-2-117163	1	1	06/02/93	CIVIL UTILITIES SECTIONS & DETAILS	A
H-2-117164	1	3	06/02/93	CIVIL UNDERGROUND UTILITIES SECTIONS & DETAILS	A
H-2-117165	1	4	06/02/93	CIVIL DRX LINES PROFILES	A
H-2-117166	1	3	06/02/93	CIVIL SANITARY SEWER PROFILES	A
H-2-117169	1	2	06/02/93	CIVIL SANITARY SEWER SECTIONS & DETAILS	A
H-2-117170	1	2	06/02/93	CIVIL SANITARY SEWER SECTIONS & DETAILS	A
H-2-117173	1	1	06/02/93	CIVIL SANITARY SEWER LIFT STATION & DETAILS	A
H-2-117176	1	2	06/02/93	CIVIL SWX AND RWX PIPE PRIFILES	A
H-2-117177	1	3	06/02/93	CIVIL SWX, FWX, AND DRX PIPE PROFILES	A
H-2-117178	1	2	06/02/93	CIVIL SWX AND FWX PIPE PROFILES	A
H-2-117179	1	2	06/02/93	CIVIL SWX AND FWX PIPE PROFILES	A
H-2-118006	1	2	06/02/93	STRUCTURAL NOTES AND TYPICAL DETAIL	A
H-2-118007	1	2	06/02/93	STRUCTURAL FW & RWX BLDGS FOUNDATION PLANS	A
H-2-118008	1	2	06/02/93	STRUCTURAL FW & RWX BLDGS FOUNDATION DETAILS	A
H-2-118009	1	2	06/02/93	STRUCTURAL FW PUMP HOUSE STEEL PLAN & ELEVATION	A
H-2-118010	1	2	06/02/93	STRUCTURAL RWX PUMP HOUSE STEEL PLAN & ELEVATION	A
H-2-118011	1	2	06/02/93	STRUCTURAL RWX MANIF SHLTR DETS & STANDARD STEEL DETAILS	A
H-2-118013	1	2	06/02/93	STRUCTURAL TK-500-001 FDN DETAILS & BLDG FLANGE BOX DETAILS	A

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H-2-118014	1	2	06/02/93	STRUCTURAL FW & RWX BLDGS EQUIPMENT ANCHOR DETAILS	A
H-2-118014	2	1	06/02/93	STRUCTURAL FW & RWX BLDGS EQUIPMENT ANCHOR DETAILS	A
H-2-118017	1	2	06/02/93	STRUCT PS-YP-66 THRU PS-YP-73 PS-YP-75 & PS-YP-76 FDN DETS	A
H-2-118020	1	1	06/02/93	STRUCTURAL CATH PROT RECT PAD & SU-530-004& 005 DETAILS	A
H-2-117149	1	5	06/02/93	MECHANICAL SITE UTILITIES TITLE SHEET	A
H-2-117150	1	5	06/02/93	MECHANICAL SITE UTILITIES DRAWING INDEX	A
H-2-117898	1	2	06/02/93	ARCHITECTURAL/HVAC RWX PUMP HOUSE PLANS, ELEV'S, SECTIONS	A
H-2-117899	1	2	06/02/93	ARCHITECTURAL/HVAC FW PUMP HOUSE PLANS, ELEV'S, SECTIONS	A
H-2-117900	1	2	06/02/93	ARCHITECTURAL/HVAC RWX MANIF SHLTR PLANS, ELECS'S, SECT'S	A
H-2-121203	1	1	06/02/93	INSTRUMENT LOCATION PLAN BUILDING 20	A
H-2-121204	1	1	06/02/93	INSTRUMENT LOCATION PLAN BUILDINGS 21 & 23	A
H-2-121380	1	2	06/02/93	INSTRUMENT INSTALLATION SUPPORT DETAILS	A
H-2-124022	1	2	06/02/93	PIPING STANDARD DETAILS	A
H-2-124022	2	2	06/02/93	PIPING STANDARD DETAILS	A
H-2-124030	1	2	06/02/93	PIPING RWX PUMP HOUSE/SHELTER PLAN	A
H-2-124033	1	2	06/02/93	PIPING FW PUMP HOUSE & STOR TK PLAN	A
H-2-124035	1	1	06/02/93	PIPING RAW WATER PUMP HOUSE & SHELTER SECTIONS	A
H-2-124036	1	1	06/02/93	PIPING FW PUMP HOOUSE &STOR TK SECTIONS	A
H-2-124037	1	1	06/02/93	PIPING FW PUMP HOUSE & STOR TK SECTIONS	A
H-2-124038	1	1	06/02/93	CATHODIC PROTECTION FW STORAGE TANK PLAN & DETAILS	A
H-2-126144	1	1	06/02/93	PIPING ISOMETRIC INDEX	A
H-2-126146	7	1	06/02/93	PIPING ISOMETRIC	A
H-2-126147	7	1	06/02/93	PIPING ISOMETRIC	A
H-2-126147	10	1	06/02/93	PIPING ISOMETRIC	A
H-2-126147	11	1	06/02/93	PIPING ISOMETRIC	A
H-2-126147	13	1	06/02/93	PIPING ISOMETRIC	A
H-2-126147	14	1	06/02/93	PIPING ISOMETRIC	A
H-2-126147	15	1	06/02/93	PIPING ISOMETRIC	A
H-2-126147	16	1	06/02/93	PIPING ISOMETRIC	A

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H-2-126147	20	1	06/02/93	PIPING ISOMETRIC	A
H-2-126148	6	1	06/02/93	PIPING ISOMETRIC	A
H-2-126148	7	0	06/02/93	PIPING ISOMETRIC	A