



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: April 22, 1993

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

Transmittal No.: WDOE-403

Dear Mr. Grantham:

TRANSMITTAL

We enclose 1 copy of the items listed below. These are issued per US-DOE request.

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

NUMBER	REV	DATE	TITLE
SEE TRANSMITTAL ATTACHMENT	---	---	A160 PACKAGE MECHANICAL SITE UTILITIES SUBMITTED ON WDOE-385 DATED 04/06/93 REV.3 NOTE: THESE DOCUMENTS ARE ISSUED IN RESPONSE TO UCAT'S REQUEST OT EXPEDITE FIRE AND SANITARY WATER PROTIONS OF A160 FOR CR'S 690, 760, 917 AND 960. THIS PACKAGE IS BEING SENT IN 2 PARTS: (1) TRANSMITTAL WDOE-385 FOR REVISED DWG AND SPECS. (2) TRANSMITTAL WDOE-386 FOR DCN'S. THIS TRANSMITTAL IS ISSUED AT US-DOE REQUEST TO RELEASE THIS LISTED PACKAGE FOR CONSTRUCTION PLEASE ATTACH THE RELEASED FOR CONSTRUCTION SIGNATURE PAGE TO THE PREVIOUS SUBMITTAL. THE TRANSMITTAL NUMBER AND DATE LISTED FOR YOUR CONVENIENCE.

Distribution:

REFERENCE: FRP-893, FUP-439
 R. L. Long: DOE-RL W/O
 VPO/AME Corresp Cntrl Cntr, MSIN A5-10
 (A160 PACKAGE), w/O
 P. Felise, WHC-RL (MSIN G6-16) w/1
 Environmental Data Management Center
 (MSIN H4-44) w/1
 D. Duncan, US EPA, Region X w/O

Very truly yours,

Rosalie Cadenas for
 R. S. Poulter
 Project Director

MHF
 RSP:MHF:ts



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 DATE 04/02/93
 CONTRACT 80845734

Time: 09:09 AM

HANFORD WASTE VITRIFICATION PLANT
 COORDS LISTING OF DRAWINGS FOR PKG A160

DISC	PACKAGE	DRAWING NUMBER	SHT NO.	REV	SIGNATURE DATE	DRAWING TITLE	REMARKS
05	A160	H-2-117151	1	3	04/01/93	CIVIL UNDERGROUND UTILITY INFORMATION SHEET	
05	A160	H-2-117152	1	3	04/01/93	CIVIL UNDERGROUND UTILITY PLAN	
05	A160	H-2-117153	1	3	04/01/93	CIVIL UNDERGROUND UTILITY PLAN	
05	A160	H-2-117154	1	3	04/01/93	CIVIL UNDERGROUND UTILITY PLAN	
05	A160	H-2-117155	1	3	04/01/93	CIVIL UNDERGROUND UTILITY PLAN	
05	A160	H-2-117156	1	3	04/01/93	CIVIL UNDERGROUND UTILITY PLAN	
05	A160	H-2-117158	1	3	04/01/93	CIVIL UNDERGROUND UTILITY PLAN	
05	A160	H-2-117159	1	3	04/01/93	CIVIL UNDERGROUND UTILITY PLAN	
05	A160	H-2-117160	1	3	04/01/93	CIVIL UNDERGROUND UTILITY PLAN	
05	A160	H-2-117161	1	1	04/01/93	CIVIL UNDERGROUND UTILITIES SECTIONS & DETAILS	
05	A160	H-2-117162	1	1	04/01/93	CIVIL UNDERGROUND UTILITIES SECTIONS & DETAILS	
05	A160	H-2-117164	1	2	04/01/93	CIVIL UNDERGROUND UTILITIES SECTIONS & DETAILS	
05	A160	H-2-117165	1	3	04/01/93	CIVIL DRX LINES PROFILES	
05	A160	H-2-117166	1	2	04/01/93	CIVIL SANITARY SEWER PROFILES	
05	A160	H-2-117167	1	2	04/01/93	CIVIL SANITARY SEWER PROFILES	
05	A160	H-2-117168	1	2	04/01/93	CIVIL SANITARY SEWER PLAN & PROFILES	
05	A160	H-2-117172	1	2	04/01/93	CIVIL SANITARY SEWER SECTIONS & DETAILS	
05	A160	H-2-117174	1	1	04/01/93	CIVIL SWX AND RWX PIPE PROFILES	
05	A160	H-2-117175	1	1	04/01/93	CIVIL SWX AND RWX PIPE PROFILES	
05	A160	H-2-117176	1	1	04/01/93	CIVIL SWX AND RWX PIPE PROFILES	
05	A160	H-2-117177	1	2	04/01/93	CIVIL SWX, FWX, AND DRX PIPE PROFILES	
05	A160	H-2-117178	1	1	04/01/93	CIVIL SWX AND FWX PIPE PROFILES	
05	A160	H-2-117179	1	1	04/01/93	CIVIL SWX AND FWX PIPE PROFILES	
30	A160	H-2-117149	1	3	04/01/93	MECHANICAL SITE UTILITIES TITLE SHEET	

00/PIPING & INSTRUMENT DIAGRAMS, 05/CIVIL, 10/HVAC, 20/STRUCTURAL, 30/ARCHITECTURAL, 40/MECHANICAL, 50/PIPING, 51/FIRE PROTECTION,
 60/ELECTRICAL, 70/CONTROL SYSTEMS, 90/MISCELLANEOUS

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Time: 09:09 AM

HANFORD WASTE VITRIFICATION PLANT
COORDS LISTING OF DRAWINGS FOR PKG A160

DISC	PACKAGE	DRAWING NUMBER	SHT NO.	REV	SIGNATURE DATE	DRAWING TITLE	REMARKS
30	A160	H-2-117150	1	3	04/01/93	MECHANICAL SITE UTILITIES DRAWING INDEX	
60	A160	H-2-122082	1	2	04/01/93	ELECTRICAL STANDARD ASSEMBLIES	
60	A160	H-2-122082	4	2	04/01/93	ELECTRICAL STANDARD ASSEMBLIES AND DETAILS	
60	A160	H-2-122084	1	2	04/01/93	ELECTRICAL UNDERGROUND CONDUIT AND GROUNDING PLAN	
60	A160	H-2-122085	1	2	04/01/93	ELECTRICAL UNDERGROUND CONDUIT AND GROUNDING PLAN	
60	A160	H-2-122086	1	2	04/01/93	ELECTRICAL UNDERGROUND SECTIONS	
60	A160	H-2-122088	1	2	04/01/93	ELECTRICAL PWR, GNDG, HT TR & LTNG PROT PLAN BLDG 20	
60	A160	H-2-122089	1	2	04/01/93	ELECTRICAL PWR, GNDG, HT TR & LTNG PROT PLAN BLDG 21 & 23	
60	A160	H-2-122093	1	2	04/01/93	ELECTRICAL UNDERGROUND CABLE PLAN CONSTRUCTION UTILITIES	

TOTAL: 33

Records printed: 33

00/PIPING & INSTRUMENT DIAGRAMS, 05/CIVIL, 10/HVAC, 20/STRUCTURAL, 30/ARCHITECTURAL, 40/MECHANICAL, 50/PIPING, 51/FIRE PROTECTION,
60/ELECTRICAL, 70/CONTROL SYSTEMS, 90/MISCELLANEOUS

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HANFORD WASTE VITRIFICATION PLANT
COORDS LISTING OF SPECIFICATION FOR PKG A160

DISC	PACKAGE	SPEC NUMBER	PKG REV	SPECIFICATION TITLE	SEC REV	SECTION	SECTION TITLE	REMARKS
	A160	B-595-C-A160	2	MECHANICAL SITE UTILITIES				
60					2	16100	ELECTRICAL INSTALLATION	
60					2	16110	ELECTRICAL MATERIALS AND DEVICES	

TOTAL: 2

Records printed: 2

00/PIPING & INSTRUMENT DIAGRAMS, 05/CIVIL, 10/HVAC, 20/STRUCTURAL, 30/ARCHITECTURAL, 40/MECHANICAL, 50/PIPING, 51/FIRE PROTECTION,
60/ELECTRICAL, 70/CONTROL SYSTEMS, 90/MISCELLANEOUS

<u>NUMBER</u>	<u>REV</u>	<u>DATE</u>	<u>TITLE</u>
DCN 0018	---	03/29/93	RELEASE HOLDS ON RAW WATER (RWX AND SANITARY WATER (SWX) PIPING
DCN 0019	---	03/25/93	ADD TANK TK-500-001 FILL CONNECTION PER CR-0760
DCN 0020	---	03/30/93	DELETE BACKFLOW PREVENTERS ON CWBS A160, PER CR-0917
DCN 0027	---	03/22/93	ISSUE CONSTRUCTION HOLDS ON A160 REV 1
DCN 0028	---	03/23/93	ISSUE CONSTRUCTION HOLDS ON A160 DOCUMENTS IMPACTED BY CR-0960
DCN 0029	---	03/24/93	HVAC LOUVER-FAN REVISIONS
DCN 0030	---	03/30/93	ADDED SANITARY WATER FEED LINE FOR FWX PUMP HOUSE/FWX TANK PER CR-0960
DCN 0032	---	03/30/93	RELEASE CONSTRUCTION HOLDS AND CANCEL DCN-009

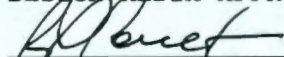
RELEASED FOR CONSTRUCTION
SIGNATURE PAGE

This transmittal is issued at US-DOE request to release this package for construction. The signatures apply to all media as delineated on this transmittal sheet.

[X] Construction Package No. A160 Title: MECHANICAL SITE UTILITIES REV 3

[] Procurement Package No. _____ Title: _____

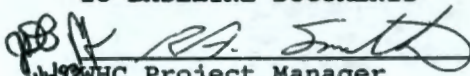
DESIGN MEDIA APPROVAL



Fluor Daniel Project Director

Date 5/11/93

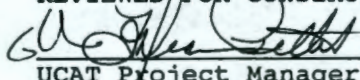
**REVIEWED FOR COMPLIANCE
TO BASELINE DOCUMENTS**



WHC Project Manager

Date 4/5/93


REVIEWED FOR CONSTRUCTABILITY



UCAT Project Manager

Date 4-9-93

RELEASED FOR CONSTRUCTION



DOE VPO Project Manager

Date 4/12/93

Reference transmittal numbers: FRP-868, FUP-419, WDOE-385