

START



Mr. John Grantham
 State of Washington
 Department of Ecology
 Nuclear & Mixed Waste Program
 P.O. Box 47600
 Olympia, WA 98504-8711

FLUOR DANIEL, INC.

Date: February 18, 1993

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

Transmittal No.: WDOE-328

Dear Mr. Grantham:

TRANSMITTAL

We enclose 2 copies of the items listed below. These are issued per US-DOE request.

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

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NUMBER	REV	DATE	TITLE
H-2-123161 SHT 04	5	2/16/93	PIPING AND INSTRUMENTATION DIAGRAM SYSTEM 23 CANISTER INSPECTION EQUIPMENT TABLE OF CONTENTS PLEASE REMOVE OLD REVISIONS AND TABLE OF CONTENTS FROM YOUR P&ID MANUAL AND REPLACE WITH THE ATTACHED REVISIONS. TO ACKNOWLEDGE RECEIPT OF THE DOCUMENTS LISTED ABOVE, PLEASE SIGN AND DATE A COPY OF THIS TRANSMITTAL FORM AND MAIL TO: FLUOR DANIEL HWVP - EDC - 513J 3333 MICHELSON DRIVE IRVINE, CA 92730

Distribution:
 Reference: FRP-758, FUP-360
 R. L. Long: DOE-RL W/O
 TWP/AME Corresp Cntrl Cntr, MSIN A5-10
 (SYSTEM 23), w/O
 [Redacted]
 D. Duncan, US EPA, Region X w/O

Very truly yours,

Rosalie Cadenas for
 R. S. Poulter
 Project Director



gcm
 RSP:gcm:ts

PROCESS PIPING AND INSTRUMENT DIAGRAMS
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** VOLUME NUMBER: 1B					
	H-2-123161	01	4	SYSTEM 23 SMEAR TEST STATION	3220
	H-2-123161	02	4	SYSTEM 23 EMPTY CANISTER ENTRY TUNNEL TRANSFER CAR	3220
	H-2-123161	03	4	SYSTEM 23 MC/CDC TUNNEL CANISTER TRANSFER CAR	3220
*	H-2-123161	04	5	SYSTEM 23 CANISTER INSPECTION EQUIPMENT	3220
	H-2-123166	01	0	SYSTEM 36 EMERGENCY DIESEL FUEL STORAGE TANKS	6370
	H-2-123166	02	0	SYSTEM 36 EMERGENCY DIESEL GENERATOR	6370
	H-2-123166	03	0	SYSTEM 36 EMERGENCY DIESEL GENERATOR	6370
	H-2-123170	01	3	SYSTEM 63 LIQUID SAMPLING SYSTEM	3218
	H-2-123170	02	3	SYSTEM 63 LIQUID SAMPLING FLUSH WATER AND PLANT AIR HEADERS	3218
	H-2-123170	03	3	SYSTEM 63 SAMPLE & ANALYTICAL CELLS DECONTAMINATION SYSTEM	3218
	H-2-123170	04	3	SYSTEM 63 SAMPLE CELL DRAIN SYSTEM	3218
	H-2-123170	05	3	SYSTEM 63 MOG/PVV SBS OUTLET GAS SAMPLERS	3218
	H-2-123170	06	3	SYSTEM 63 HEME OUTLET AND BACKUP HEME OUTLET GAS SAMPLERS	3218
	H-2-123170	07	4	SYSTEM 63 MOG HEPA FILTER OUTLET GAS SAMPLER	3218
	H-2-123170	08	4	SYSTEM 63 PVV HEPA FILTER OUTLET GAS SAMPLER	3218
	H-2-123170	09	3	SYSTEM 63 RPVV HEPA FILTER OUTLET GAS SAMPLER - VOIDED PER CR-058	3218
	H-2-123170	10		NOT USED - VOIDED PRIOR TO BEING UNDER CONFIGURATION MANAGEMENT	
	H-2-123170	11	4	SYSTEM 63 GLASS SAMPLE RABBIT SYSTEM	3218
	H-2-123170	12	3	SYSTEM 63 ANALYTICAL FACILITY SAMPLE RABBIT SYSTEM	3218
	H-2-123170	13	3	SYSTEM 63 SAMPLE CELL RABBIT SYSTEM	3218
	H-2-123170	14	0	P&ID SYSTEM 63 SEC PVV HEMF FILTER OUTLET GAS SAMPLER	6370
	H-2-123170	15	0	P&ID SYSTEM 63 WPVV PRIMARY HEPA FILTER OUTLET GAS SAMPLER	6370
	H-2-123170	16	0	P & ID SYSTEM 63 SRAT VENT GAS SAMPLE METAL FILTER	6370

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	H-2-123170	17	0	P & ID SYSTEM 63 SRAT VENT GAS SAMPLE COOLER	6370
	H-2-123170	18	0	P & ID SYSTEM 63 GAS SAMPLING MODULE SRAT CONDENSER OUTLET	6370
	H-2-123170	19	0	P & ID SYSTEM 63 SME VENT GAS SAMPLE METAL FILTER	6370
	H-2-123170	20	0	P & ID SYSTEM 63 SME VENT GAS SAMPLE COOLER	6370
	H-2-123170	21	0	P & ID SYSTEM 63 GAS SAMPLING MODULE SME CONDENSER OUTLET	6370
	H-2-123170	22	0	P & ID SYSTEM 63 VENT GAS SAMPLE CHILLER AND UTILITIES	6370
	H-2-123171	01	3	SYSTEM 64 ANALYTICAL CELL A	3218
	H-2-123171	02	3	SYSTEM 64 ANALYTICAL CELL B	3218
	H-2-123171	03	3	SYSTEM 64 ANALYTICAL CELL C	3218
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	H-2-123171	08	3	SYSTEM 64 ANALYTICAL CELL H	3218
	H-2-123171	09	3	SYSTEM 64 LABORATORY HOODS	3218
	H-2-123171	10	3	SYSTEM 64 AT FLAME HOOD AND ICP & AA HOOD	3218
	H-2-123171	11	3	SYSTEM 64 DECONTAMINATION HOOD SAMPLE RECEIVING GLOVE BOX AND LABORATORY SINKS	3218
	H-2-123171	12	3	SYSTEM 64 HOT ICP GLOVE BOX	3218
	H-2-123171	13	3	SYSTEM 64 SERVICE ROOMS HOODS	3218
	H-2-123171	14	3	SYSTEM 64 PROCESS WATER ANALYTICAL AREA DISTRIBUTION	3218
	H-2-123171	15	3	SYSTEM 64 HOT WATER ANALYTICAL AREA DISTRIBUTION	3218
	H-2-123171	16	3	SYSTEM 64 TEMPERED WATER ANALYTICAL AREA DISTRIBUTION	3218
	H-2-123171	17	3	SYSTEM 64 DEIONIZED WATER ANALYTICAL AREA DISTRIBUTION	3218
	H-2-123171	18	3	SYSTEM 64 PLANT AIR AND INSTRUMENT AIR ANALYTICAL AREA DISTRIBUTION	3218
	H-2-123171	19	3	SYSTEM 64 GAS CYLINDERS ANALYTICAL AREA DISTRIBUTION	3218

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	H-2-123171	20	3	SYSTEM 64 GAS CYLINDERS & LIQUID NITROGEN ANALYTICAL AREA DISTRIBUTION	3218
	H-2-123171	21	3	SYSTEM 64 HOODS AND GLOVE BOXES DRAIN SYSTEM	3218
	H-2-123171	22	3	SYSTEM 64 COLD CHEMICAL LABORATORY HOODS AND SINK	3218
	H-2-123250	01	5	SYSTEM 14A FILM COOLER	3215
	H-2-123250	02	4	SYSTEM 14A MOG SUBMERGED BED SCRUBBER	3215
	H-2-123250	03	4	SYSTEM 14A MOG SUBMERGED BED SCRUBBER	3215
	H-2-123250	04	4	SYSTEM 14A MOG SUBMERGED BED SCRUBBER	3215
	H-2-123250	05	4	SYSTEM 14A PIPING	3215
	H-2-123250	06	4	SYSTEM 14A HIGH EFFICIENCY MIST ELIMINATOR	3215
	H-2-123250	07	4	SYSTEM 14A MOG HEMF FILTER	3215
	H-2-123250	08	4	SYSTEM 14B HIGH EFFICIENCY MIST ELIMINATOR	3215
	H-2-123250	09	4	SYSTEM 14B MOG HEMF FILTER	3215
	H-2-123250	10	4	SYSTEM 14A MOG CONTACT HEPA FILTER	3215
	H-2-123250	11	5	SYSTEM 14A FUTURE IODINE ADSORBER	3215
	H-2-123250	12	4	SYSTEM 14A MOG EXHAUSTERS	3215
	H-2-123250	13	5	SYSTEM 14A BACK-UP FILM COOLER	3215
	H-2-123250	14	5	SYSTEM 14A FUTURE NOX REDUCER	3215
	H-2-123250	15	5	SYSTEM 14A MOG/PVV EXHAUSTER AFTERCOOLER	3215
	H-2-123250	16	0	P&ID SYSTEM 14A HEMF AIR RECEIVER	6470
	H-2-123251	01	4	SYSTEM 15A PVV HEADER	3216
	H-2-123251	02	4	SYSTEM 15A PVV SUBMERGED BED SCRUBBER	3216
	H-2-123251	03	4	SYSTEM 15A PVV SUBMERGED BED SCRUBBER	3216
	H-2-123251	04	4	SYSTEM 15A PVV SUBMERGED BED SCRUBBER	3216
	H-2-123251	05	4	SYSTEM 15A/B PVV REMOTE FILTER PREHEATERS	3216
	H-2-123251	06	4	SYSTEM 15A&B PVV REMOTE FILTERS	3216

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	H-2-123251	08	4	SYSTEM 15A PVV EXHAUSTERS	3216
	H-2-123251	09	3	SYSTEM 15C RPVV REMOTE FILTER PREHEATER - VOID PER CR-0584	3216
	H-2-123251	10	3	SYSTEM 15C&D RPVV REMOTE FILTERS - VOID PER CR-0584	3216
	H-2-123251	11	3	SYSTEM 15C RPVV CONTACT PREHEATER AND HEPA FILTER - VOID PER CR-0584	3216
	H-2-123251	12	3	SYSTEM 15C RPVV EXHAUSTERS - VOID PER CR-0584	3216
	H-2-123251	13	0	P&ID SYSTEM 15E WHT AND WHT ANNULUS VENT	6370
	H-2-123251	14	0	P&ID SYSTEM 15E WPVV ANNULUS HEPA FILTER	6370
	H-2-123251	15	0	P&ID SYSTEM 15E & F WPVV PRIMARY HEPA FILTERS	6370
	H-2-123251	16	0	P&ID SYSTEM 15E WPVV EXHAUSTERS	
	H-2-123251	17	0	P&ID SYSTEM 15G SECONDARY PVV HEADER	6370
	H-2-123251	18	0	SYSTEM 15G SECONDARY PVV HEMF FILTER	6370
	H-2-123251	19	0	P&ID SYSTEM 15G SECONDARY PVV CONTACT HEPA FILTER	6370
	H-2-123251	20	0	P&ID SYSTEM 15G SECONDARY PVV EXHAUSTERS	6370
	H-2-123350	01	4	SYSTEM 41 INSTRUMENT/PLANT AIR COMPRESSORS	3223
	H-2-123350	02	4	SYSTEM 41 INSTRUMENT AIR DRYERS	3223
	H-2-123350	03	4	SYSTEM 41 PLANT AND INSTRUMENT AIR RECEIVERS	3223
	H-2-123350	04	5	SYSTEM 41 PLANT AIR DISTRIBUTION VIT., MECH./ELECT. SERV., FRIT STORAGE/COLD CHEM., MANIP. REPAIR & SAND FILTER BUILDINGS	3223
	H-2-123350	05	5	SYSTEM 41 PLANT AIR DISTRIBUTION VITRIFICATION BUILDING 3RD FLOOR	3223
	H-2-123350	06	5	SYSTEM 41 BREATHING AIR SYSTEM	3223
	H-2-123350	07	7	SYSTEM 41 INSTRUMENT AIR DISTRIBUTION	3223
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	H-2-123350	09	1	SYSYEM 41 PLANT AIR DIST - VIT BLDG 2ND & 4TH FLOORS	6320
	H-2-123350	10	0	SYSTEM 41 HYDROGEN MITIGATION AIR SYSTEM	6370
	H-2-123351	01	7	SYSTEM 42 MED PRESS STEAM DISTRIBUTION VIT BLDG, SERVICE BLDG, AND MANIPULATOR REPAIR BUILDING	3221
	H-2-123351	02	0	SYSTEM 42 MEDIUM PRESSURE CONDENSATE COLLECTION	6320
	H-2-123352	01	4	SYSTEM 43 PROCESS STEAM GENERATOR AND PROCESS STEAM DISTRIBUTION	3221
	H-2-123352	02	5	SYSTEM 43 PROCESS STEAM CONDENSATE SYSTEM	3221
	H-2-123353	01	4	SYSTEM 44 COOLING TOWER	3222
	H-2-123353	02	4	SYSTEM 44 COOLING TOWER WATER CONTROL, MAKE-UP, AND BLOWDOWN	3222
	H-2-123353	03	4	SYSTEM 44 COOLING TOWER WATER DISTRIBUTION MECH/ELECT. SERVICES BLDG, AND VIT. BLDG.	3222
	H-2-123354	01	4	SYSTEM 45 PROCESS COOLING WATER SYSTEM	3222
	H-2-123354	02	4	SYSTEM 45 PROCESS COOLING WATER DISTRIBUTION VITRIFICATION BUILDING	3222
	H-2-123355	01	4	SYSTEM 46 MELTER COOLING WATER SYSTEM VITRIFICATION BUILDING	3222
	H-2-123355	02	5	SYSTEM 46 MELTER COOLING WATER DISTRIBUTION VITRIFICATION BUILDING	3222
	H-2-123357	01	4	SYSTEM 48 PROCESS WATER TANK VITRIFICATION BUILDING 3RD FLOOR	3224
	H-2-123357	02	5	SYSTEM 48 PROCESS WTR DIST, VIT BLDG, MECH/ELEC. SERV. BLDG, FRIT STRGE/COLD CHEM & SAND FLTR BLDG	3224
	H-2-123357	03	4	SYSTEM 48 PROCESS WATER DIST VITRIFICATION BUILDING -- 3RD FLOOR	3224
	H-2-123357	04	2	SYSTEM 48 ZONE 1 EXHAUST STACK FLUSH SYSTEM	6380
	H-2-123358	01	7	SYSTEM 50 RAW WATER AND FIRE WATER SYSTEMS	3224
	H-2-123358	02	6	SYSTEM 50 FIRE AND PROCESS WATER STORAGE	3224

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	H-2-123358	03	0	SYSTEM 50 RAW WATER AND FIRE WATER SYSTEMS	3224
	H-2-123359	01	6	SYSTEM 49 SANITARY WATER SYSTEM	3224
	H-2-123359	02	1	SYSTEM 49 SAN WATER DIST - VIT BLDG 1ST & 2ND FLOOR	3219
	H-2-123359	03	1	SYSTEM 49 SAN WATER - VIT BLDG 3RD & 4TH FLOORS	6320
	H-2-123360	01	5	SYSTEM 52 ACID DRAIN CATCH TANK	3225
	H-2-123360	02	5	SYSTEM 52 ORGANIC ACID DRAIN CATCH TANK	3225
	H-2-123360	03	4	SYSTEM 52 FLOOR DRAIN CATCH TANK	3225
	H-2-123360	04	4	SYSTEM 52 FLOOR DRAIN SAMPLING TANK	3225
	H-2-123360	05	5	SYSTEM 52 REGULATED DRAINS CATCH TANK	3225
	H-2-123360	06	6	SYSTEM 52 LIQUID WASTE COLLECTION VITRIFICATION BUILDING	3225
	H-2-123360	07	5	SYSTEM 52 LIQUID WASTE COLLECTION VIT BLDG, REB AND MANIPULATOR REPAIR BLDG.	3225
	H-2-123360	08	1	SYSTEM 52 LIQUID WASTE COLLECTION VIT BLDG 1ST & MEZZ	3225
	H-2-123360	09	0	SYSTEM 52 LIQUID WASTE COLLECTION VIT BLDG SECOND FLOOR	3225
	H-2-123360	10	0	SYSTEM 52 LIQUID WASTE COLLECTION VIT BLDG THIRD FLOOR	3225
	H-2-123361	01	4	SYSTEM 53 ACID WASTE HOLD TANK	3225
	H-2-123361	02	4	SYSTEM 53 ORGANIC ACID WASTE HOLD TANK	3225
	H-2-123361	03	4	SYSTEM 53 ORGANIC ACID WASTE NEUTRALIZATION TANK	3225
	H-2-123361	04	4	SYSTEM 53 CAUSTIC WASTE HOLD TANK	3225
	H-2-123361	05	4	SYSTEM 53 CAUSTIC WASTE NEUTRALIZATION TANK	3225
	H-2-123361	06	4	SYSTEM 53 SOLAR EVAPORATION TANK	3225
	H-2-123361	07	7	SYSTEM 53 NONHAZARDOUS WASTE WATER DISPOSAL	3225
	H-2-123361	08		NOT USED	
	H-2-123361	09	4	SYSTEM 53 MECHANICAL/ELECTRICAL SERVICES BUILDING SUMP	3225

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	H-2-123362	01	4	SYSTEM 54 DECON SOLUTION MAKE-UP TANK	3226
	H-2-123362	02	5	SYSTEM 54 OXALIC ACID DECON FEED SYSTEM	3226
	H-2-123362	03	5	SYSTEM 54 POTASSIUM PERMANGANATE FEED SYSTEM	3226
	H-2-123362	04	5	SYSTEM 54 SODIUM NITRITE FEED SYSTEM	3226
	H-2-123362	05	4	SYSTEM 54 50% CAUSTIC STORAGE TANK	3226
	H-2-123362	06		NOT USED	
	H-2-123362	07	5	SYSTEM 54 50% CAUSTIC FEED TANK	3226
	H-2-123362	08	5	SYSTEM 54 SUGAR SOLUTION FEED SYSTEM	3226
	H-2-123362	09	5	SYSTEM 54 OFF-GAS TREATMENT CHEMICAL FEED SYSTEM	3226
	H-2-123362	10	5	SYSTEM 54 KOH/FRIT MODIFIER FEED SYSTEM	3226
	H-2-123362	11	5	SYSTEM 54 DILUTE SODIUM HYDROXIDE FEED SYSTEM	3226
	H-2-123362	12	5	SYSTEM 54 FORMIC ACID STORAGE TANK	3226
	H-2-123362	13		NOT USED	
	H-2-123362	14	4	SYSTEM 54 FORMIC ACID FEED TANK	3226
	H-2-123362	15	4	SYSTEM 54 DILUTE FORMIC ACID FEED SYSTEM	3226
	H-2-123362	16	4	SYSTEM 54 50% NITRIC ACID STORAGE TANK	3226
	H-2-123362	17		NOT USED	
	H-2-123362	18	4	SYSTEM 54 50% NITRIC ACID FEED TANK	3226
	H-2-123362	19	5	SYSTEM 54 NITRIC ACID DECON FEED SYSTEM	3226
	H-2-123362	20	2	SYSTEM 54 ANTIFOAM FEED TANK	6370
	H-2-123362	21	5	SYSTEM 54 DIATOMACEOUS EARTH SLURRY FEED TANK	3226
	H-2-123362	22	5	SYSTEM 54 ZEOLITE SLURRY FEED TANK	3226
	H-2-123362	23	5	SYSTEM 54 FLUSH WATER FEED TANK	3226
	H-2-123363	01	4	SYSTEM 55 FRIT STORAGE/COLD CHEMICAL BLDG VENT SYSTEM	3227
	H-2-123364	01	4	SYSTEM 56 COLD FEED VITRIFICATION BUILDING VENT SYSTEM	3227
	H-2-123364	02	3	SYSTEM 56 VITRIFICATION BUILDING SOLENOID VALVE AIR VENT	3227

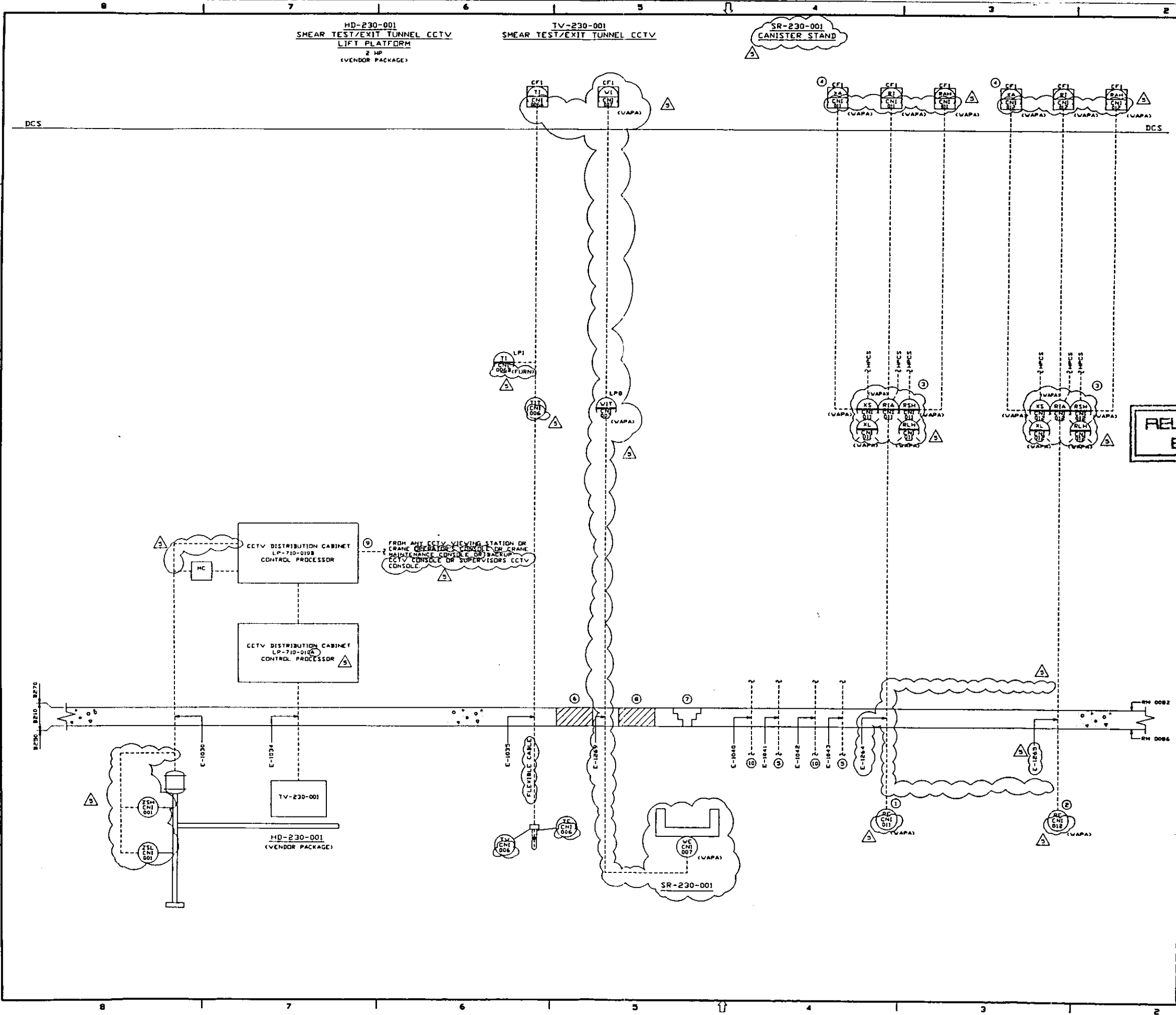
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	H-2-123365	01	03	SYSTEM 51 SANITARY SEWER *****DELETED DRAWING*****	6320
	H-2-123365	01	1	SYSTEM 51 SANITARY SEWER	6320
	H-2-123370	01	4	SYSTEM 62 HPS VACUUM BLOWERS VITRIFICATION, MRB, OC/REB FRIT ST/COLD CHEM BLDGS.	3227
	H-2-123370	02	5	SYSTEM 62 HPS VACUUM COLLECTION VIT BLDG, TUNNEL & MEZZ LEVELS FIRST AND SECOND FLOORS	3227
	H-2-123370	03	4	SYSTEM 62 HPS VACUUM COLLECTION VITRIFICATION BUILDING THIRD & FOURTH FLOORS	3227
	H-2-123370	04	4	SYSTEM 62 HPS VACUUM COLLECTION MRB, FRIT ST/COLD CHEM, CMR, OC/REB & SHIPPING/RECEIVING BUILDINGS	3227
	H-2-123370	05	4	SYSTEM 62 HPS VACUUM SYSTEM CANISTER STORAGE BUILDING	3227
	H-2-123370	06	4	SYSTEM 62 HPS VACUUM SYSTEM FAN HOUSE	3227
	H-2-123370	07	4	SYSTEM 62 HPS VACUUM SYSTEM WHT BUILDING	3227
	H-2-123370	08	2	SYSTEM 62 DECON HOOD, SAMPLE PREPARATION HOOD AND SINK	3227
	H-2-123370	09	0	SYSTEM 62 HEALTH PROTECTION SYSTEM EMBEDS	6320

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GENERAL NOTES:
A. FOR GENERAL NOTES REFER TO DRAWING H-2-123161-1

- NOTES:
- ① GAMMA DETECTOR
 - ② NEUTRON DETECTOR
 - ③ NOTE DELETED
 - ④ X DENOTES DETECTOR FAILURE.
 - ⑤ ELECTRICAL PENETRATION FOR POWER TO IN-CELL CRANE.
 - ⑥ SHIELD WINDOW AT THE SMEAR TEST STATION.
 - ⑦ SHIELD PLUG FOR FUTURE SHIELD WINDOW AT THE CANISTER STORAGE AREA.
 - ⑧ SHIELD WINDOW FOR FUTURE STATION AT THE SET END OF THE TUNNEL.
 - ⑨ CONTROL OF THE CCTV LIFT PLATFORM DRIVE (CR-465) AND CRANE DRIVE (CR-465) FROM ANY CCTV VIEWING STATION OR CCTV CONSOLE HAVING CONTROL OF SMEAR TEST CAMERA TV-230-001 CCTV LOGIC CONTROLLER PROVIDES 110VAC CONTACTS
 - ⑩ SPARE ELECTRICAL PENETRATION FOR POWER TO IN-CELL CRANE.

FEB 16 1993

RELEASED FOR PROJECT
BASELINE CONTROL

WAPA (AS NOTED (WAPA))
QUALITY LEVEL II (EXCEPT AS NOTED (WAPA))
SAFETY CLASS 3

REV	DATE	DESCRIPTION	APP'D	CHK'D	DATE	
5	2/10/93	REMOVED LPI FROM RE-130-611 AND RE-130-612. DELETED NOTE 3. ADDED FLEXIBLE CABLE TO TC-130-510. CABLE. ADDED POSITION SWITCHES TO CCTV LIFT PLATFORM. CHANGED EMBEL FOR RE-130-611 AND RE-130-612. RENUMBERED INSTRUMENTS PER CR-8782. ADDED CANISTER STAND. ADDED WEIGHT INSTRUMENTS AND MADE THEM WAPA PER CR-8858. ADDED WAPA AND QUALITY LEVEL TO TITLE BLOCK. MODIFIED NOTE 9. REMOVED WAPA FROM TEMPERATURE INSTRUMENTS.	ER	DVB	ARB	VUC
4	2/10/93	UPDATED ROOM NUMBERS. ADDED CW33 8310 PACKAGE BREAK. ADDED WAPA NOTE TO APPLICABLE ITEMS. ADDED (TURNS) TO TI-8108. DELETED NOTE 3 REQUIREMENT. ADDED NOTE 9. REVISED ELECTRICAL EMBEL NUMBERS. CHANGED WORDING OF NOTES 7 & 8. AND CHANGED CCTV TITLE.	SGJ	HJM	WFM	RSP
3	1/18/93	REVISED DRAWING TITLE. REVISED PANEL NUMBERS FOR RAD MONITORS AND REVISED NOTE 3. DELETED STRET TURNABLE. REVISED TEMPERATURE LOOP SIG. ADDED NOTES 6, 7, AND 8 AND SHIELD WINDOWS AND SHIELD PLUG. REVISED EQUIPMENT TAG NUMBERS PER CR-8454. ADDED WALL PENETRATION NUMBERS AND REVISED SECTION. ADDED PENETRATIONS FOR IN-CELL CRANE. ADDED NOTE 3. REVISED TO INDICATING TRANSMITTERS PER CR-8592.	ER	PLH	SGJ	BPD
2	2/10/93	ADDED NOTE REFERENCING CR-8454. RELEASED FOR PROJECT BASELINE CONTROL PER CR-0480.	DVB	SGJ	RGT	SGJ
1	2/10/93	RELEASED FOR PROJECT BASELINE CONTROL. WITHDRAWN PER CR-465.	VP	HF	RGT	VP
0	2/10/93	RELEASED FOR PROJECT BASELINE CONTROL PER CR-H2VP-0423.	SGJ	HF	RGT	SGJ
00	08/1/90	RELEASED FOR DETAILED DESIGN.	AR	AA	RGT	AR

ENGINEERING RELEASE		U.S. DEPARTMENT OF ENERGY Nuclear Operations Office DC - AC06-86RL10039																					
REV. DATE	DATE																						
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