RC-CEL:155.100|FORMATS.CEL AC=ESTD

CALIBRATION GAS

P-247 SAMPLE PUMP 1-1
E-247 SAMPLE
COALESCING FILTER
MT 247A MOISTURE TRAP
MT 247B DRAIN TRAP
MT 247D OXYGEN SENSOR
MT 247E DRAIN TRAP
MT 247C HYDROGEN SENSOR
MT 247C DRAIN TRAP

P-248 SAMPLE PUMP 1-1
E-248 SAMPLE
COALESCING FILTER
MT 248A MOISTURE TRAP
MT 248B DRAIN TRAP
MT 248D OXYGEN SENSOR
MT 248E DRAIN TRAP
MT 248C HYDROGEN SENSOR
MT 248C DRAIN TRAP

P-249 SAMPLE PUMP 1-2
E-249 SAMPLE COOLER
COALESCING FILTER
MT 249A MOISTURE TRAP
MT 249B DRAIN TRAP
MT 249D OXYGEN SENSOR
MT 249E DRAIN TRAP
MT 249C HYDROGEN SENSOR
MT 249C DRAIN TRAP

P-250 SAMPLE PUMP 1-2
E-250 SAMPLE
COALESCING FILTER
MT 250A MOISTURE TRAP
MT 250B DRAIN TRAP
MT 250D OXYGEN SENSOR
MT 250E DRAIN TRAP
MT 250C HYDROGEN SENSOR
MT 250C DRAIN TRAP

TO CLEAN WASTE RECEIVER T15-1 TANK 1-1 M-037C (B-6)
TO CLEAN WASTE RECEIVER T15-2 TANK 1-2 M-037C (A-10)
FROM CLEAN WASTE RECEIVER T15-1 TANK 1-1 M-037C (A-4)
FROM CLEAN WASTE RECEIVER T15-2 TANK 1-2 M-037C (D-8)

SAMPLING CONN. M-042B (D-7)
M-042B (D-7) SAMPLING CONN.

THIS DWG. (G-3)
THIS DWG. (G-4)
THIS DWG. (G-8)
THIS DWG. (G-9)
THIS DWG. (D-3)
THIS DWG. (D-4)
THIS DWG. (D-8)
THIS DWG. (D-9)

M-038A (A-4)
M-038A (A-5)
M-038A (A-9)
M-038A (A-10)
M-037C (D-7)

½"-HSC-171 M-038B (D-1) FROM WASTE GAS SURGE TANK 1-1 T24
½" S.S. TUBING
½"-HSC-172 M-038B (A-5)
½" S.S. TUBING

LR NOTE B

CALIBRATION GAS
P-258 SAMPLE PUMP 1-1
E-258 SAMPLE
MT 258A MOISTURE TRAP
MT 258B DRAIN TRAP
MT 258D COALESCING FILTER
MT 258E DRAIN TRAP
MT 258C OXYGEN SENSOR
HYDROGEN SENSOR
MT 258C DRAIN TRAP
RACK R 2715
WASTE GAS MONITORING SYSTEM

M-038B (E-1) FROM WASTE GAS SURGE T24 TANK 1-1

CALIBRATION GAS
P-246 SAMPLE PUMP 1-1
E-246 SAMPLE
MT 246A MOISTURE TRAP
MT 246B DRAIN TRAP
MT 246D COALESCING FILTER
MT 246E DRAIN TRAP
MT 246C OXYGEN SENSOR
HYDROGEN SENSOR
MT 246C DRAIN TRAP
RACK R 2714
WASTE GAS MONITORING SYSTEM

CLEAN WASTE RECEIVER TANKS 1-1 & 1-2 MONITORING SYSTEM
AAH 5985 M-038B (F-1)
M-038B (A-4)

NOTES:

1. FOR GENERAL NOTES, SEE DWG. M-038B.
2. ALL LINES SHOWN ARE ½" Ø SS TUBING UNLESS SPECIFIED OTHERWISE.
3. THE CWRT MONITORING SYSTEM CONSISTS OF A SAMPLE RACK R3701 AND A SAMPLE CABINET C3740. THE RACK CONTAINS THE PRIMARY SENSORS AND SYSTEM HARDWARE. THE CABINET INCLUDES THE DISPLAY DEVICES AND CONTROL SWITCHES.
4. THE WGST MONITORING SYSTEM CONSISTS OF A SINGLE RACK R2714.
5. THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DB-OP-00009 (FORMERLY ADI839.03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.

REFERENCES:

1. 12501-M-324N-92-2. (VENDOR DRAWING NO. 04017-5-031)
2. 12501-M-324N-95-1. (VENDOR DRAWING NO. 04017-5-030)
3. 12501-M-324N-93 (VENDOR DRAWING NO. 04017-7-041)

LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01.

B. THE SAMPLE RACKS DB-R-2714 AND DB-R-2715 PROVIDE ANCHORS FOR SR/NSR INTERFACES.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M038A REV. 0

SYSTEMS SHOWN ON THIS DRAWING:
18: GASEOUS RADWASTE

BECHTEL ASSOCIATES PROFESSIONAL CORPORATION (OHIO)
GAITHERSBURG, MARYLAND

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO.1
THE TOLEDO EDISON COMPANY

PIPING AND INSTRUMENT DIAGRAM
GASEOUS RADWASTE HYDROGEN AND OXYGEN MONITORING SYSTEMS

JOB NO.	DRAWING NO.	REV.
12501	M-038A	13

REF DFN=OSIL ; I
DFN= I:\PIDS\M038A .DGN
LEVELS 1234567890123456789012345678901234567890123456789012345678901234567890123
DB: 01-12-95 14
34X44 "E" SIZE
PSC=

D-63

01 D 63