SEE DETAIL A1

PARTICULATE

IODINE

TOTAL GAS

MONITOR ENCLOSURE ASSEMBLY RE-90-132

FROM REFRIGERATIVE SAMP SYS PNL (FSAR) 47W610-90-4 COORD F-7

TO REFRIGERATIVE SAMP SYS PNL (FSAR) 47W610-90-4 COORD F-7

FAN B

FAN A

SERVICE BLDG VENT MONITOR

DETAIL A1

RE-90-129 SAMPLER ENCLOSURE

TO RE-90-106 47W610-90-4 COORD E12

PARTICULATE FILTER

IODINE FILTER

GAS

FROM RE-90-119 47W610-90-2, COORD F-5

FROM RE-90-106 47W610-90-4, COORD E12

CONDENSER VACUUM PUMP AIR EXHAUST MONITOR & PARTICULATE & IODINE SAMPLER UNIT 1 AS SHOWN, UNIT 2 SAME

TO RE-90-119 47W610-90-5 COORD E-H

MONITOR ENCLOSURE ASSEMBLY RE-90-99

REACTOR COOLANT LETDOWN LIQUID MONITOR AS SHOWN FOR UNIT 1, UNIT 2 SAME

MONITOR ENCLOSURE ASSEMBLY

SEE DETAIL A1

MONITOR ENCLOSURE ASSEMBLY RE-90-130

GAS

CONTAINMENT PURGE AIR EXHAUST MONITOR UNIT 1 AS SHOWN, UNIT 2 SAME

MONITOR ENCLOSURE ASSEMBLY RE-90-131

RE-90-128 SAMPLER ENCLOSURE

PARTICULATE FILTER

IODINE FILTER

GAS

CONTAINMENT PURGE AIR EXHAUST MONITOR UNIT 1 AS SHOWN, UNIT 2 SAME

WDS GAS EFFLUENT MONITOR B, PARTICULATE & IODINE SAMPLER AS SHOWN FOR 2 UNIT PLANT

BORIC ACID EVAP CNDS MONITOR AS SHOWN FOR UNIT 1, UNIT 2 SAME

MONITOR ENCLOSURE ASSEMBLY

FUEL POOL RADIATION MONITOR AS SHOWN FOR 2 UNIT PLANT

REFERENCES:

47W001-90 SERIES - - - - INSTRUMENT TABULATIONS
47W600-1 THRU 11 - - - - INSTRUMENT AND CONTROL DRAWINGS
47W610-43 SERIES - - - - SAMPLING CONTROL DIAGRAM
SQN-DC-V.D - - - - - - - - DESIGN CRITERIA FOR RADIATION MONITORING SYSTEMS
47W600-100 THRU-109 - - I & C DRAWINGS (INSTALLATION DRAWINGS)

NOTES:

1. THE RADIATION MONITORING SYSTEM SHALL MONITOR THE RELEASE OF FLUIDS AND GASES TO CONTROL THE DISCHARGE OF RADIOACTIVE MATERIALS INTO THE ENVIRONS TO WITHIN PERMISSIBLE RATES AND TO MONITOR RADIATION LEVELS AS A BASIS FOR PLANT OPERATIONS.
2. AREA RADIATION MONITORS AND AIR PARTICULATE MONITORS SHALL BE LOCATED THROUGHOUT THE PLANT TO ALERT PLANT PERSONNEL OF THE RADIATION LEVEL AND THE AMOUNT OF AIRBORNE RADIOACTIVE MATERIAL.
3. THE COMMON COMPONENT COOLING SYSTEM LIQUID EFFLUENT MONITOR IS RECORDED ON THE UNIT 0 RECORDER (1-RR-90-123).
4. THE INSTRUMENTS SHOWN IN EACH MONITOR ENCLOSURE ASSEMBLY IS A REPRESENTATION OF THE INSTRUMENTATION THE CONTRACTOR WILL FURNISH.

REV	DESCRIPTION
8	ADDED RE-90-128 & 129
7	REVISED PER FCR RE-90-99, 129
6	ADDED TSC & SPDS POINTS
5	ADDED AIR SAMPLING SYS TO RE-90-130
4	ADDED RE-90-106
3	RELOCATED FLOW SW'S AND ALARM ANNUNCIATORS
2	ADDED SERVICE CALIBRATION VALVES, PENCIL AND VIAL HOLDERS, CONFIGURATION
1	ADDED DETAIL A1 & MINOR CHANGES
0	ISSUED FOR CONSTRUCTION

DCN NO.	BY
6988	R.M. THOMAS
7099	A.B. HELTON
6988	E.A. LEONARD
7099	R.M. CARTER

DESIGNED - A.T. EGAN
DRAWN -
CHECKED -

POWERHOUSE UNITS 1 & 2

ELECTRICAL CONTROL DIAGRAM RADIATION MONITORING SYS

WATTS BAR NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED	RECOMMENDED	APPROVED

KNOXVILLE | 3-18-70 | 65 | E | 47W610-90-1R0

RECORD DRAWING AS CONSTRUCTED

FSAR

THIS DRAWING IS UNDER CONFIGURATION CONTROL

CONFIGURATION REFERENCE 47W610-90-2 THRU 5

TI APERTURE CARD

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