



- NOTES:-
- EACH RATEMETER PROVIDES ADJUSTABLE ALARM SETPOINT FOR ALERT AND HIGH LEVEL. FAILING/LOSS OF POWER ALSO ALARMED.
 - RECORDERS ARE MULTI-PHASE STRIP CHART TYPE WITH ILLUMINATION AND MULTI-SPEED. FULL SCALE RESPONSE OF 2 SECONDS. (ON-LIN) EACH SINGLE PHS.
 - LO-FLOW, BYPASS, FAIL, ALERT, AND HIGH CONDITIONS ARE ALARMED ON RADIATION MONITOR PANEL ANNUNCIATOR PANEL INCLUDING ARBITRARY ALARM, ACKNOWLEDGE, AND RESET.
 - EACH CHANNEL UTILIZES SEPARATE POWER SUPPLY (DIESEL BACKER), EXCEPT RB-18.
 - EACH CHANNEL PROVIDES LOCAL COUNT RATE INDICATION.
 - B-W DETECTOR RATEMETER IS NON-SATURATING TO PREVENT ZERO OUTPUT ON HIGH RADIATION.
 - CALIBRATION DATA IS REQUIRED FOR EACH CHANNEL.
 - DETAILS ARE IN SPECIFICATION SP-616-6A-001-000.
 - ALL FIRED CHANNELS PROVIDE COMPUTER SIGNALS.
 - ALL SCINTILLATION LOCAL PREAMPS PROVIDE ANALYZER OUTPUT.
 - RB-11 VALVES AND PIPING MEET SAFETY CLASS 3.
 - RB-11 VALVES AND PIPING MEET SAFETY CLASS 2a.
 - WELDED ELEMENTS REQUIRE CERTIFICATE OF COMPLIANCE OF MATERIALS PER ASME CODE SECTION III (NB-2000), APPLIES TO RB-12a, RB-12b, AND RB-14.
 - FOR PANEL LAYOUT, SEE VENDOR Dwg. 1MS-44-62-1.
- NOTE:
NNS DRAIN AND FLUSHING LINES
MAY HAVE HOSE FITTINGS OR CAPS
OR NEITHER.

D-109

PLEX Drawing TR00160-002
PLEX Drawing TR00160-003

THE # 4
NUCLEAR SAFETY RELATED
DOCUMENTS OR SYSTEMS SHALL BE
MAINTAINED AS PERFORMED WITHOUT FURTHER
MODIFICATION AND WITHOUT APPROVAL

SOUTH CAROLINA ELECTRIC & GAS COMPANY
VIRGIL C. SUMNER NUCLEAR STATION
I.E.C. MECHANICAL
DESIGN ENGINEERING
RADIATION MONITORING SYSTEM DIAGRAM

NO.	DATE	BY	REVISION	CHK. BY	APPROVAL
8	07/01/81	JMR	REVISED PER CGSS-98-0408	MGR	MWD
7	02/20/81	JAS	REVISED PER MRF-22177	MGR	JTC
6	09/01/80	JTS	REVISED PER MRF-22789	MGR	JEC
5	07/01/80	JMR	REVISED AS PER CGSS-93-3243	MGR	ROB

D-806-005
DRAWING NUMBER
X8060001