1020 N5 001

LEGEND:

A. PLANT RADIATION ZONES:

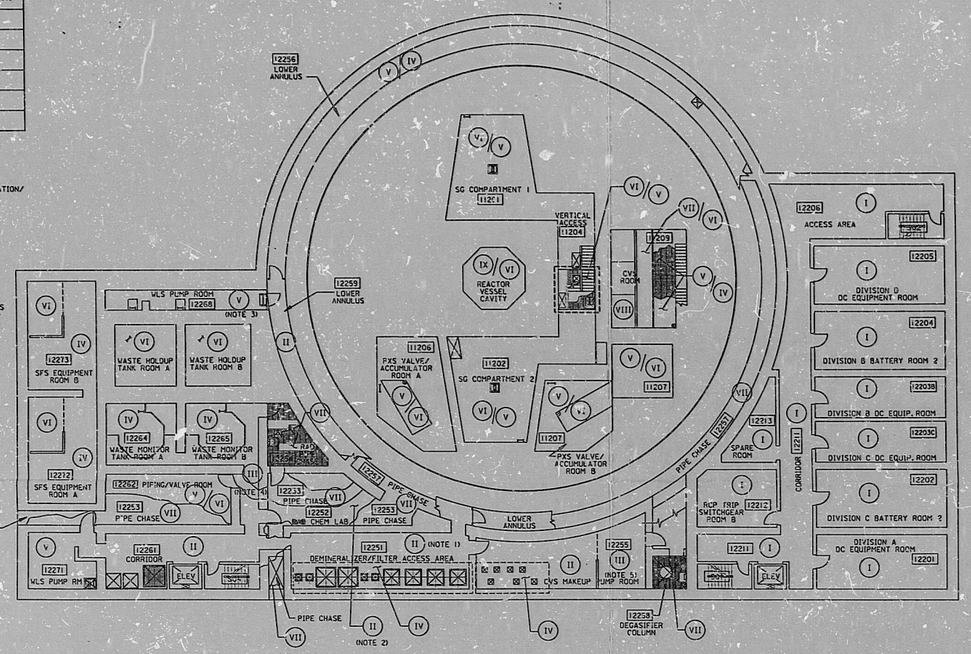
DESIGNATION	MAXIMUM DESIGN DOSE RATE	DESCRIPTION
0	≤ 0.05 mRem/hr	NO RADIATION SOURCES; UNLIMITED GENERAL OCCUPANCY; OUTSIDE "CONTROLLED AREA"
I	≤ 0.25 mRem/hr	VERY LOW OR NO RADIATION SOURCES; INSIDE "CONTROLLED AREA" AND OUTSIDE "RESTRICTED AREA"
"RESTRICTED AREA" ZONES		
II	≤ 2.5 mRem/hr	LOW RADIATION SOURCES; UNLIMITED WORKER OCCUPANCY
III	≤ 15.0 mRem/hr	LOW-TO-MODERATE RADIATION SOURCES; LIMITED WORKER OCCUPANCY
IV	≤ 100 mRem/hr	MODERATE RADIATION SOURCES; LIMITED WORKER OCCUPANCY
V	≤ 1 Rem/hr	HIGH RADIATION SOURCES; LIMITED WORKER OCCUPANCY
VI	≤ 10 Rem/hr	SAME AS ZONE V ABOVE
VII	≤ 100 Rem/hr	SAME AS ZONE V ABOVE
VIII	≤ 500 Rad/hr	SAME AS ZONE V ABOVE
IX	> 500 Rad/hr	VERY HIGH RADIATION SOURCES; VERY LIMITED WORKER ACCESS

B. DRAWING SYMBOLS:

V/IV - UPPER RADIATION ZONE NUMERAL FOR FULL POWER OPERATION/ LOWER NUMERAL FOR 24 HOURS AFTER PLANT SHUTDOWN (IF DIFFERENT)

C. GENERAL DRAWING NOTES:

1. ACCESS CONTROL REQUIREMENTS AND TRAFFIC PATTERNS ARE SHOWN IN SERIES 201 DRAWINGS.
2. DOSE RATES INSIDE CONTAINMENT DURING POWER OPERATION ARE SUBJECT TO SIGNIFICANT VARIABILITY OWING TO LOCALIZED NEUTRON STREAMING/SCATTERING EFFECTS. ACTUAL RADIATION FIELDS WILL BE DETERMINED FROM RADIATION SURVEYS AND ACCESS TO THE CONTAINMENT DURING POWER OPERATION WILL BE STRICTLY CONTROLLED.



NOTES:

1. RADIATION MAY EXCEED ZONE II LEVEL DURING FILTER REPLACEMENT OPERATION.
2. RADIATION MAY EXCEED ZONE II LEVEL WITH THE PRESENCE OF RADIOACTIVE SOURCE(S).
3. ZONE IV CONTRIBUTION FROM SPENT FUEL IN VERTICAL POSITION IN UPENDER ABOVE.
4. ZONE III DUE TO SHINE FROM WASTE MONITOR TANK AND PIPING ROOM THROUGH ACCESS OPENING.
5. ZONE V DURING REACTOR COOLANT DEGASIFICATION OPERATIONS USING MAKEUP PUMPS IN CVS SEMI-CLOSED LOOP CONFIGURATION.

SI APERTURE CARD

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BACKGROUND LEGIBILITY NOT REQUIRED

NON-PROPRIETARY

11/20/90

WRS SQ.	REVISION
0	INITIAL ISSUE
1	SEE REVISION NOTES
2	SEE REVISION NOTES
3	REVISION NOT USED
4	REVISED AS PER ECN 10 AND FINAL ISSUE

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DWN: J.E. 11/7/90
CHK: 11/20/90
APP
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DES: MOR

Westinghouse Electric Corporation

AP600
ADVANCED LIGHT WATER REACTOR

BECHTEL POWER CORP. SAN FRANCISCO, CA. JOB NO. 22240

RADIATION ZONES
NORMAL OPERATION / SHUTDOWN
NUCLEAR ISLAND EL. 82'-6"

DRAWING STATUS: SIZE C 1020 N5 001 REV. 4
SCALE: NONE BAR CODE
DATE: 8/5/93

SHEET OF

1020N5001.DGN /Nov. 05, 1993 /09:22

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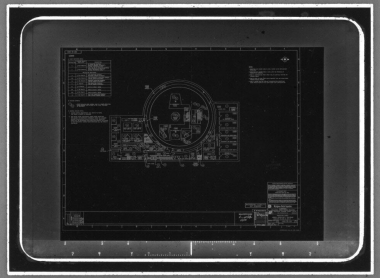
PDR RIDS



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