

SIDE 2

**EAL TABLE 4
DOSE PROJECTION MONITORS**

1. CHMT HI RANGE ACCIDENT MONITORS
2. PLANT VENT STACK #1 WRGM EFFLUENT CHANNEL
3. MAIN STEAM LINE MONITORS
4. STACK #6 MONITOR WRGM EFFLUENT CHANNEL
5. STACK #6A MONITOR WRGM EFFLUENT CHANNEL

**EAL TABLE 5
EFFLUENT MONITORS**

1. PLANT VENT STACK #1 WRGM EFFLUENT CHANNEL
2. TURBINE BUILDING STACK #3A WRGM EFFLUENT CHANNEL
3. STACK #6 WRGM EFFLUENT CHANNEL
4. STACK #6A WRGM EFFLUENT CHANNEL
5. TREATED LAUNDRY AND HOT SHOWER DISCHARGE MONITOR
6. SECONDARY WASTE SAMPLE TANK DISCHARGE MONITOR
7. WASTE MONITOR TANK DISCHARGE MONITOR
8. TURBINE BLDG. DRAIN MONITOR

**EAL TABLE 6
SEISMIC EVENT SYMPTOMS**

1. "SEISMIC MON SYS ONE EXCEEDED" ALARM (ALB 10-4-4) AND/OR "ALARM" LIGHT ON THE SEISMIC SWITCH PANEL.
2. WHITE EVENT INDICATOR ON SMA CONTROL PANEL.
3. ALARM AT TRIAXIAL RESPONSE SPECTRUM ANNUNCIATOR.
4. NOTICEABLE TREMORS OR VIBRATION.

EAL STATUS BOARD

EAL REF. NO(S): _____

GENERAL EMERGENCY _____

SITE AREA EMERGENCY _____

ALERT _____

UNUSUAL EVENT _____

CONTINUING ACTION: _____ TIME _____

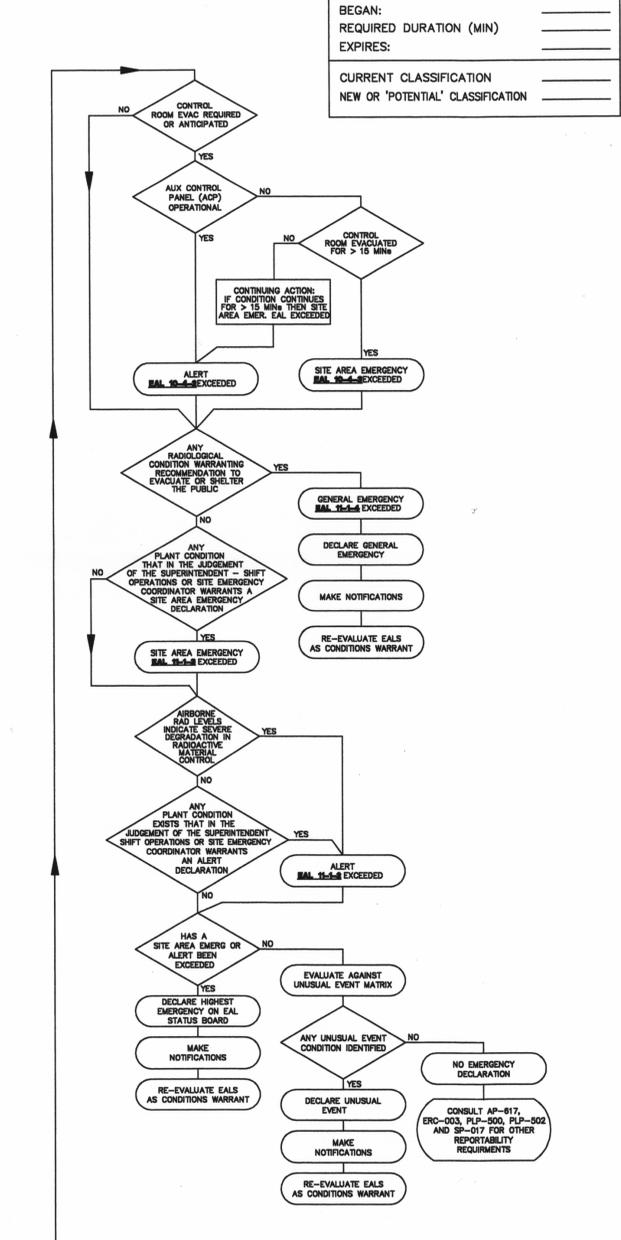
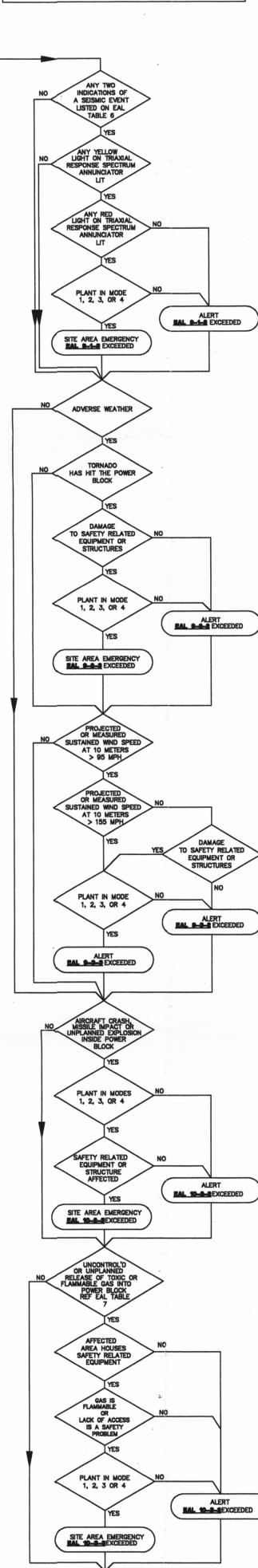
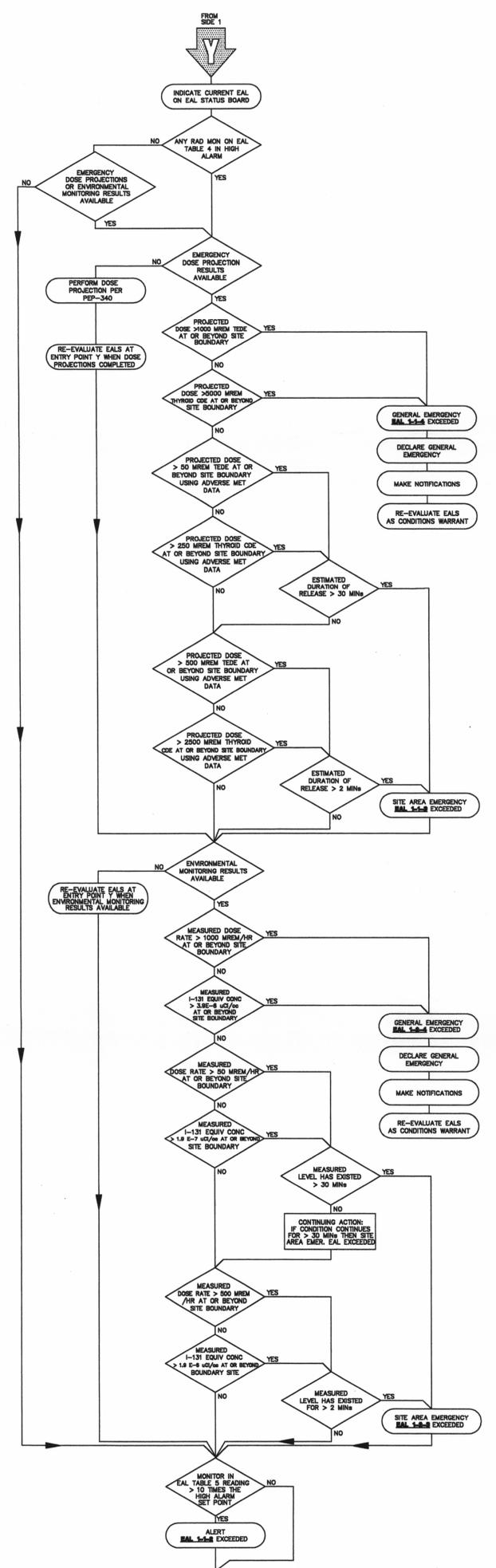
BEGAN: _____

REQUIRED DURATION (MIN) _____

EXPIRES: _____

CURRENT CLASSIFICATION _____

NEW OR 'POTENTIAL' CLASSIFICATION _____



EAL DECLARATION _____ TIME _____

**EAL TABLE 1
RADIATION MONITOR TAG NUMBERS**

MONITOR DESCRIPTION	INSTRUMENT TAG NO.	RM-11 CHANNEL ID NO.	ERPS POINT ID NO.
CHMT LEAK DETECTION MONITOR	REM-LT-3502A-SA	208303	RL730209
CHMT HI RANGE ACCIDENT MONITORS	RM-1CR-3598-SA RM-1CR-3599-SB	2AX182 2AX183	RCR3589A RCR3590A
PLANT VENT STACK #1 WRGM EFFLUENT CHANNEL	RM-21AV-3509-1SA	10XB17	RAV3509H
TURBINE BUILDING STACK 3A WRGM EFFLUENT CHANNEL	RM-1TV-3536-1	2EX827	RTV3536D
MAIN STEAM LINE MONITORS	RM-1MS-3591-SB RM-1MS-3592-SB RM-1MS-3593-SB	5AX184 5AX185 5AX186	RMS3591A RMS3592A RMS3593A
FUEL BREACH AREA RAD. MONITORS	RM-1RR-3595 RM-1RR-3596A RM-1RR-3598B RM-1RR-3599C RM-1RR-3600 RM-1RR-3601 RM-1RR-3602	1AA058 2AX182 1AA081 1AA082 1AA083 1AA084 1AA085	RRR3595A RRR3596A RRR3598B RRR3599C RRR3600A RRR3601A RRR3602A
STACK #6 MONITOR WRGM EFFLUENT CHANNEL	RM-1WV-3546-1	4EX837	RWV3546H
STACK #6A MONITOR WRGM EFFLUENT CHANNEL	RM-1WV-3547-1	4EX847	RWV3547H
LIQUID EFFLUENT MONITORS TREATED LAUNDRY & HOT SHOWER DISCHARGE	REM-1WL-3540	4L1886	RLW3540A
SECONDARY WASTE SAMPLE TANK DISCHARGE	REM-21WS-3542	4L1886	RWS3542A
WASTE MONITOR TANK DISCHARGE	REM-1WL-3541	4L1878	RLW3541A
TURBINE BLDG. DRAIN	REM-1MD-3528	2L1276	RMD3528A

**EAL TABLE 7
TOXIC, FLAMMABLE, & ASPHYXANT GASES**

GAS	TOXIC FLAMMABLE ASPHYXANT			CHEMICAL FACT SHEET NUMBER
	TOXIC	FLAMMABLE	ASPHYXANT	
ACETYLENE	X	X		AP-501-00810
HYDROGEN (1)		X		AP-501-00128
CARBON DIOXIDE	X			AP-501-00085
AMMONIA	X	X		AP-501-00837
P-10 (USED IN PORTAL MONITORS)		X		AP-501-00591
OXYGEN (2)		X		AP-501-00068
NITROGEN		X		AP-501-00130
ARGON		X		AP-501-00319
HELIUM		X		AP-501-00573
FREON		X		AP-501-00987

THIS LIST INCLUDES GASES STORED IN BULK AND IS NOT INTENDED TO BE ALL INCLUSIVE.

(1) VENTING OF H2 FROM THE H2 TANK VENT STACK OR H2 HEADER IN ACCORDANCE WITH DESIGN AND IS A PLANNED EVENT.

(2) OXYGEN ITSELF IS NOT FLAMMABLE, HOWEVER, ITS PRESENCE INCREASES THE FLAMMABILITY OF MATERIALS. ASPHYXANT GASES IN LARGE ENOUGH QUANTITIES CAN DISPLACE OXYGEN AND POSE A DANGER TO PERSONNEL AND SHOULD BE CONSIDERED A TOXIC.

THE TYPE AND QUANTITY OF GAS RELEASED, VOLUME OF AREA AND VENTILATION SYSTEMS IN SERVICE SHOULD BE EVALUATED TO DETERMINE WHETHER PERSONNEL OR EQUIPMENT COULD BE IN AN ADVERSE ENVIRONMENT, OR WHETHER ACCESS TO EQUIPMENT REQUIRED TO OPERATE THE PLANT IS IMPEDED.

UNUSUAL EVENT MATRIX

1) GASEOUS OR LIQUID EFFLUENTS EXCEEDING TECHNICAL SPECIFICATIONS	2) FUEL DAMAGE INDICATION	3) LOSS OF SECONDARY COOLANT OR COOLING	4) LOSS OF REACTOR COOLANT	5) LOSS OF POWER	6) LOSS OF MOB ANNUNCIATORS, ERPS OR COMMUNICATIONS CAPABILITY	7) SECURITY THREAT	8) OTHER PLANT OR EQUIPMENT PROBLEMS	9) NATURAL PHENOMENA	10) OTHER HAZARDS	11) SITE EMERGENCY COORDINATOR JUDGMENT
EAL 3.0-3.6 VALID HIGH ALARM ON ANY OF THE MONITORS IN EAL TABLE 5 AND THE RELEASE HAS NOT BEEN TERMINATED (UNUSUAL EVENT EXISTS UNTIL EFFLUENT DISCHARGE IS TERMINATED AND WHEN ALL REQUIRED NOTIFICATIONS ARE MADE)	EAL 3.0-3.6 GROSS FAILED FUEL DETECTOR INDICATES AN INCREASE > 25% CPM WITHIN 30 MINUTES EAL 3.0-3.6 RCS SPECIFIC ACTIVITY EXCEEDS TECHNICAL SPECIFICATION 3.4.8 LIMITS FOR DOSE EQUIVALENT 1-131 OR GROSS RADIOACTIVITY (FOR DOSE EQUIVALENT 1-131 THE EAL IS NOT EXCEEDED UNLESS THE 48 HOUR TIME INTERVAL OR FIG. 3.4-1 LIMITS ARE EXCEEDED)	EAL 3.0-3.6 FAILURE OF A PRESSURIZER SAFETY OR PORV TO FULLY RESET AFTER EMERGENCY REDUCION OF APPLICABLE PRESSURE EAL 3.0-3.6 FAILURE OF A SG SAFETY OR PORV TO FULLY RESET AFTER OPERATION EAL 3.0-3.6 FAILURE OF A MAIN STEAM LINE OR FEEDWATER LINE BREAK (A BREAK IS A LEAK WHICH EXCEEDS THE OPERATOR'S ABILITY TO SHUTDOWN THE PLANT IN CONTROLLED MANNER OR TO NOT EXCEED TECH SPEC COOLDOWN LIMITS) EAL 3.0-3.6 STEAM GENERATOR BLEED IN LINE BREAK (MODES 1,2 AND 3)	EAL 3.0-3.6 FAILURE OF A PRESSURIZER SAFETY OR PORV TO FULLY RESET AFTER APPLICABLE PRESSURE EAL 3.0-3.6 FAILURE OF A SG SAFETY OR PORV TO FULLY RESET AFTER OPERATION EAL 3.0-3.6 ANY RCS PRESSURE BOUNDARY LEAKAGE EAL 3.0-3.6 ANY OTHER RCS LEAKAGE IN EXCESS OF TECHNICAL SPECIFICATION 3.4.8.2 WITH THE 4 HOUR CORRECTIVE ACTIONS NOT SATISFIED	EAL 3.0-3.6 LOSS OF ALL OFFSITE POWER EAL 3.0-3.6 LOSS OF BOTH DIESEL GENERATORS EAL 3.0-3.6 LOSS OF BOTH CPUS EAL 3.0-3.6 INABILITY OF ERPS TO PERFORM ITS INTENDED FUNCTION FOR A CONTINUOUS PERIOD OF 4 HOURS, OTHER THAN PRE-PLANNED REMOVAL FROM SERVICE FOR MAINTENANCE OR MODIFICATION PURPOSES WHILE IN MODES 1,2,3 OR 4 AS DEFINED BY: • FAILURE OF BOTH CPUS • FAILURE OF BOTH DATA CONCENTRATORS • FAILURE OF BOTH DATA DISKS • INABILITY TO UPDATE CURRENT DATA DISPLAYS IN THE CONTROL ROOM (THIS IS NOT TO BE CONSTRUED AS A FAILURE OF A SINGLE VARIABLE OR SMALL DATA SUBSET) EAL 3.0-3.6 FAILURE OF BOTH SITE TELEPHONE AND EMERGENCY (HEABC) TELEPHONE SWITCHES	EAL 3.0-3.6 UNPLANNED LOSS OF >70% OF MOB ANNUNCIATORS (ALBS) FOR 215 MINUTES AS DEFINED BY: • MODES 1-4 TOTAL # ALBS = 30 • MODES 5-8 TOTAL # ALBS = 20 (ALB 1,2,4-13,15,22,23, EITHER 24 OR 25 BASED ON EDC OPERABILITY, 28-28, & 30) EAL 3.0-3.6 INABILITY OF ERPS TO PERFORM ITS INTENDED FUNCTION FOR A CONTINUOUS PERIOD OF 4 HOURS, OTHER THAN PRE-PLANNED REMOVAL FROM SERVICE FOR MAINTENANCE OR MODIFICATION PURPOSES WHILE IN MODES 1,2,3 OR 4 AS DEFINED BY: • FAILURE OF BOTH CPUS • FAILURE OF BOTH DATA CONCENTRATORS • FAILURE OF BOTH DATA DISKS • INABILITY TO UPDATE CURRENT DATA DISPLAYS IN THE CONTROL ROOM (THIS IS NOT TO BE CONSTRUED AS A FAILURE OF A SINGLE VARIABLE OR SMALL DATA SUBSET) EAL 3.0-3.6 FAILURE OF BOTH SITE TELEPHONE AND EMERGENCY (HEABC) TELEPHONE SWITCHES	EAL 3.0-3.6 CONFIRMED SECURITY EVENT WHICH INDICATES A POTENTIAL DEGRADATION IN THE LEVEL OF SAFETY OF THE PLANT AS INDICATED BY: • UNAUTHORIZED ALTERATION OR TAMPERING HAS OR IS OCCURRING AFFECTING SAFETY RELATED EQUIPMENT • HOSTAGE/EXTORTION THREATS TO INTERRUPT NORMAL PLANT OPERATIONS • CIVIL UNREST/RIOTS ONSITE BETWEEN THE SITE BOUNDARY AND THE PROTECTED AREA	EAL 3.0-3.6 INABILITY TO REACH OPERATIONAL MODES WITHIN TECH. SPEC. TIME LIMITS EAL 3.0-3.6 UNPLANNED SUSTAINED POSITIVE STARTUP RATE EAL 3.0-3.6 THIS DOES NOT INCLUDE CRITICALITY EARLIER THAN ESTIMATED DURING PLANNED REACTOR STARTUPS) EAL 3.0-3.6 TURBINE ROTATING COMPONENT FAILURE RESULTING IN A REACTOR TRIP, CASING DAMAGE TO THE TURBINE OR SIGNIFICANT DAMAGE TO THE TURBINE SEALS	EAL 3.0-3.6 INDICATION OF ANY TWO VALID SEISMIC SYMPTOMS LISTED ON EAL TABLE 6 EAL 3.0-3.6 TORNADO REPORTED WITHIN THE EAB EAL 3.0-3.6 SUSTAINED WIND SPEED AT 10 METERS OF 74 MPH OR GREATER EAL 3.0-3.6 UNPLANNED EXPLOSION WITHIN THE PROTECTED AREA RESULTING IN VISIBLE DAMAGE TO PERMANENT STRUCTURES OR EQUIPMENT EAL 3.0-3.6 UNPLANNED TOXIC OR FLAMMABLE GAS RELEASE WITH THE EAB (REFERENCE EAL TABLE 7)	EAL 3.0-3.6 FIRE WITHIN THE PROTECTED AREA NOT EXTINGUISHED WITHIN 10 MINUTES OF CONTROL ROOM NOTIFICATION OR VERIFICATION OF A CONTROL ROOM ALARM (THIS DOES NOT INCLUDE FIRES WITHIN OFFICE AREAS, TRASH BIN FIRES, H2 TANK VENT STACK FIRES EXTINGUISHED PER OP-152.02 OR OTHER SMALL FIRES OF NO PLANT SAFETY CONSEQUENCE) EAL 3.0-3.6 AIRCRAFT, TRAIN OR OTHER VEHICLE CRASH THAT MAY DAMAGE PLANT STRUCTURES CONTAINING FUNCTIONS OR SYSTEMS REQUIRED FOR SAFE SHUTDOWN OF THE PLANT EAL 3.0-3.6 UNPLANNED EXPLOSION WITHIN THE PROTECTED AREA RESULTING IN VISIBLE DAMAGE TO PERMANENT STRUCTURES OR EQUIPMENT EAL 3.0-3.6 UNPLANNED TOXIC OR FLAMMABLE GAS RELEASE WITH THE EAB (REFERENCE EAL TABLE 7)	EAL 3.0-3.6 DEFINITIONS OF AREAS REFERRED TO IN THESE EAL'S: POWER BLOCK INCLUDES THE CONTAINMENT, REACTOR AUXILIARY BLDG., TURBINE BLDG., FUEL HANDLING BLDG. (INCLUDING THE "C" AREA), WASTE PROCESSING BLDG., DIESEL GENERATOR BLDG., DIESEL FUEL OIL STORAGE, FIRE HOUSE, TANK AREA, INTAKE STRUCTURES, AND DUCT BANKS SERVING THESE AREAS. PROTECTED AREA INCLUDES THE PLANT AREA INSIDE THE SECURITY FENCE INCLUDING THE INTAKE STRUCTURES. SITE BOUNDARY (SB) IS APPROXIMATELY A CIRCLE OF 2500 FT. RADIUS (0.47 MILES). EXCLUSION AREA BOUNDARY (EAB) IS APPROXIMATELY A CIRCLE OF 7000 FT. RADIUS (1.3 MILES). EAL REFERENCE NUMBERS (X-Y-Z): X = CATEGORY (1-11) Y = IDENTIFIER WITHIN CATEGORY Z = CLASSIFICATION (1-4) 1 = UNUSUAL EVENT 2 = ALERT 3 = SITE AREA EMERGENCY 4 = GENERAL EMERGENCY

D2