

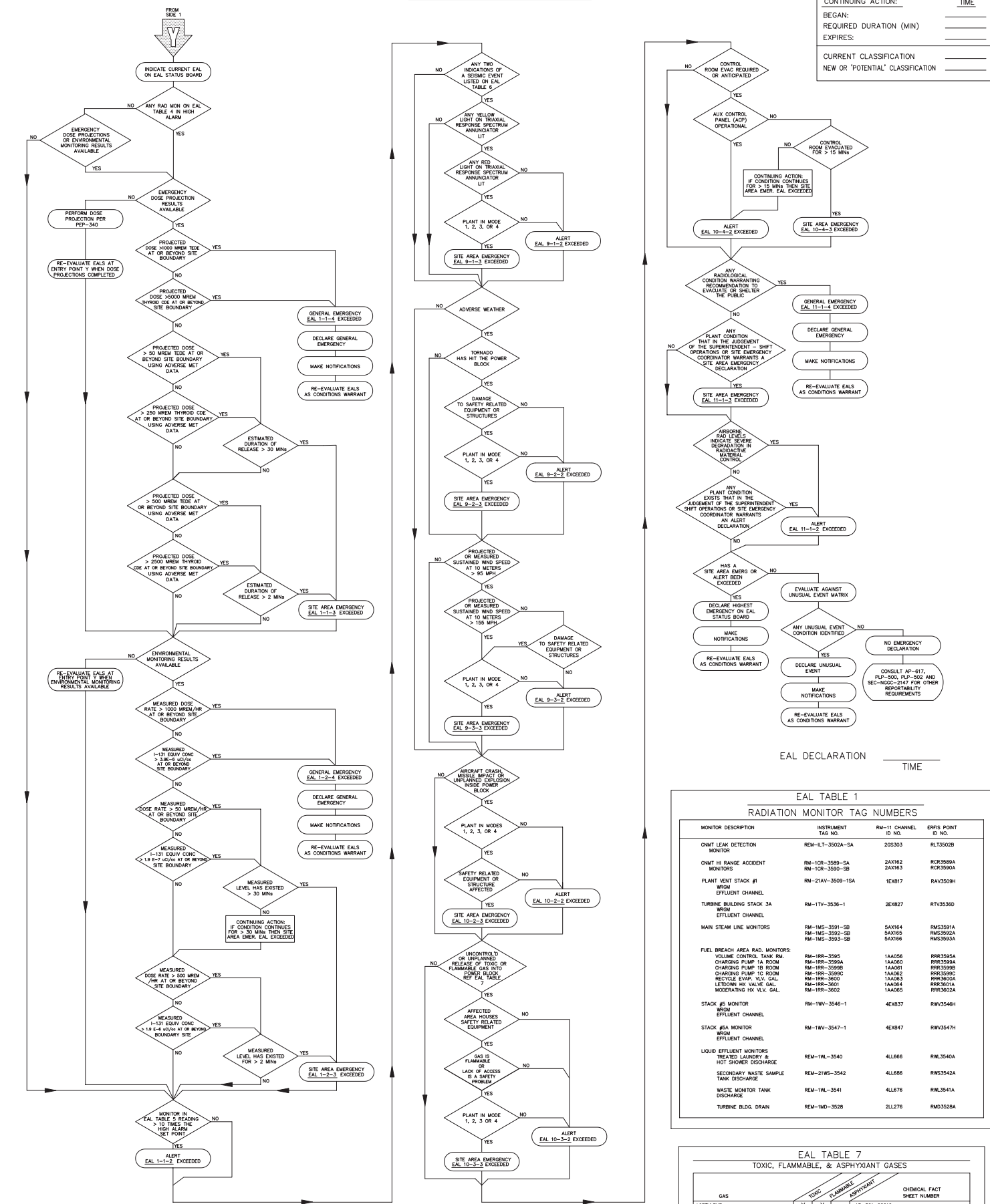
SIDE 2

EAL TABLE 4 DOSE PROJECTION MONITORS
1. CNMT H-RANGE ACCIDENT MONITORS 2. PLANT VENT STACK #1 W/WM EFFLUENT CHANNEL 3. MAIN STEAM LINE MONITORS 4. STACK #5 MONITOR W/WM EFFLUENT CHANNEL 5. STACK #6A MONITOR W/WM EFFLUENT CHANNEL

EAL TABLE 5 EFFLUENT MONITORS
1. PLANT VENT STACK #1 W/WM EFFLUENT CHANNEL 2. TURBINE BUILDING STACK #3A W/WM EFFLUENT CHANNEL 3. STACK #5 W/WM EFFLUENT CHANNEL 4. STACK #6A W/WM 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 (ALS 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	
GENERAL EMERGENCY	EAL REF. NO(S):
SITE AREA EMERGENCY	
ALERT	
UNUSUAL EVENT	
CONTINUING ACTION: _____ TIME _____	
BEGAN: _____	
REQUIRED DURATION (MIN) _____	
EXPIRES: _____	
CURRENT CLASSIFICATION _____	
NEW OR "POTENTIAL" CLASSIFICATION _____	



EAL TABLE 1				
RADIATION MONITOR TAG NUMBERS				
MONITOR DESCRIPTION	INSTRUMENT TAG NO.	RM-11 CHANNEL ID NO.	ERIS POINT ID NO.	
CNMT LEAK DETECTION MONITOR	REM-1LT-3502A-SA	205303	RLT3502B	
CNMT H RANGE ACCIDENT MONITORS	RM-10R-3589-SA RM-10R-3590-SB	2AX162 2AX163	ROR3589A ROR3590A	
PLANT VENT STACK #1 W/WM EFFLUENT CHANNEL	RM-21AV-3509-1SA	1EX817	RAV3509H	
TURBINE BUILDING STACK 3A W/WM EFFLUENT CHANNEL	RM-1TV-3536-1	2EX827	RTV3536D	
MAIN STEAM LINE MONITORS	RM-1MS-3591-SB RM-1MS-3592-SB RM-1MS-3593-SB	5AX164 5AX165 5AX166	RMS3591A RMS3592A RMS3593A	
FUEL BREACH AREA RAD. MONITORS:				
VOLUME CONTROL TANK RM.	RM-1RR-3595	1AA056	RRR3595A	
CHARGING PUMP 1A ROOM	RM-1RR-3599A	1AA060	RRR3599A	
CHARGING PUMP 1B ROOM	RM-1RR-3599B	1AA061	RRR3599B	
CHARGING PUMP 1C ROOM	RM-1RR-3599C	1AA062	RRR3599C	
RECTIFYER EXHA. VALV. GAL.	RM-1RR-3600	1AA063	RRR3600A	
LETDOWN HV VALVE GAL.	RM-1RR-3601	1AA064	RRR3601A	
MODERATING HV VALV. GAL.	RM-1RR-3602	1AA065	RRR3602A	
STACK #5 MONITOR W/WM EFFLUENT CHANNEL	RM-1RW-3546-1	4EX837	RWV3546H	
STACK #6A MONITOR W/WM EFFLUENT CHANNEL	RM-1RW-3547-1	4EX847	RWV3547H	
LIQUID EFFLUENT MONITORS				
TREATED LAUNDRY & HOT SHOWER DISCHARGE	REM-1RL-3540	4L866	RWL3540A	
SECONDARY WASTE SAMPLE TANK DISCHARGE	REM-21WS-3542	4L866	RWS3542A	
WASTE MONITOR TANK DISCHARGE	REM-1RL-3541	4L867	RWL3541A	
TURBINE BLDG. DRAIN	REM-1MD-3528	2LL276	RMD3528A	

EAL TABLE 7 TOXIC, FLAMMABLE, & ASPHYXIANT GASES				
GAS	TOXIC	FLAMMABLE	ASPHYXIANT	CHEMICAL FACT SHEET NUMBER
ACETYLENE	X	X		AP-501-00610
HYDROGEN (1)		X		AP-501-00129
CARBON DIOXIDE	X			AP-501-00085
AMMONIA	X	X		AP-501-00637
P-10 (USED IN PORTAL MONITORS)		X		AP-501-00591
OXYGEN (2)			X	AP-501-00598
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.

ASPHYXIANT GASES IN LARGE ENOUGH QUANTITIES CAN DISPLACE OXYGEN AND POSE A DANGER TO PERSONNEL AND SHOULD BE CONSIDERED A TONIC.

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 OR COMMUNICATIONS CAPABILITY	7) SECURITY THREAT	8) OTHER PLANT OR EQUIPMENT	9) NATURAL PHENOMENA	10) OTHER HAZARDS	11) SITE EMERGENCY COORDINATOR JUDGMENT
EAL 1-1-1 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 2-1-1 GROSS FAILED FUEL DETECTOR INDICATES AN INCREASE > 254 CPM WITHIN 30 MINUTES EAL 2-2-1 RCS SPECIFIC ACTIVITY EXCEEDS TECHNICAL SPECIFICATION 3.48 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 LIMIT IS EXCEEDED.)	EAL 3-1-1 KARO FAILURE OF A PRESSURIZER SAFETY OR PORV TO FULLY RESET AFTER REDUCTION OF APPLICABLE PRESSURE EAL 3-2-1 FAILURE OF A SO SAFETY OR PORV TO FULLY RESET AFTER OPERATION EAL 3-3-1 MAIN STEAM LINE OR FEEDWATER LINE BREAK (A BREAK IS A LEAK WHICH EXCEEDS THE OPERATORS ABILITY TO SHUTDOWN THE PLANT IN A CONTROLLED MANNER OR TO NOT EXCEED TECH. SPEC. COOLDOWN LIMITS) EAL 3-4-1 STEAM GENERATOR BLOWDOWN LINE BREAK (MODES 1,2 AND 3)	EAL 4-1-1 FAILURE OF A PRESSURIZER SAFETY OR PORV TO FULLY RESET AFTER REDUCTION OF APPLICABLE PRESSURE EAL 4-2-1 ANY RCS PRESSURE BOUNDARY LEAKAGE EAL 4-3-1 ANY OTHER RCS LEAKAGE IN EXCESS OF TECHNICAL SPECIFICATION 3.4.8.2 WITH THE 4 HOUR CORRECTIVE ACTIONS NOT SATISFIED	EAL 5-1-1 LOSS OF ALL OFFSITE POWER EAL 5-2-1 LOSS OF BOTH EMERGENCY GENERATORS	EAL 6-1-1 UNPLANNED LOSS OF >70% OF MOB ANNUNCIATORS (AUBS) FOR >15 MINUTES AS DEFINED BY: + MODES 1-4 TOTAL # AUBS = 30 (ALS 1.5, 4-1.5, 15, 22, 23, OTHER OPERABILITY, 20-26, & 30) EAL 6-2-1 FAILURE OF BOTH SITE TELEPHONE AND EMERGENCY (HEAC) TELEPHONE SWITCHES	EAL 7-1-1 CONFIRMED SECURITY EVENT WHICH INDICATES A POTENTIAL DEGRADATION IN THE LEVEL OF SAFETY OF THE PLANT AS INDICATED BY ANY OF THE FOLLOWING: * UNAUTHORIZED ALTERATION OR TAMPERING HAS OR IS OCCURRING * AFFECTING PLANT EQUIPMENT * UNAUTHORIZED ENTRY INTO THE PROTECTED AREA * HOSTAGE DETENTION * THREATS TO INTERRUPT NORMAL PLANT OPERATIONS * A CREDIBLE THREAT AGAINST THE HARRIS PLANT * A VALIDATED NOTIFICATION FROM HIC PROVIDING INFORMATION OF AN AIRCRAFT THREAT	EAL 8-1-1 INABILITY TO REACH REQUIRED SHUTDOWN (MODE 3) CONDITION WITHIN TECH. SPEC. TIME LIMITS EAL 8-2-1 TRIP/STAY-ON-TRIP OR UNPLANNED SUSTAINED POSITIVE STARTUP RATE (THIS DOES NOT INCLUDE CRITICALITY FAILURE RESULTING IN A REACTOR TRIP, CASING PENETRATION OR SIGNIFICANT DAMAGE TO THE MAIN GENERATOR SEALS) EAL 8-3-1 TURBINE BUILDING COMPONENT FAILURE RESULTING IN A REACTOR TRIP, CASING PENETRATION OR SIGNIFICANT DAMAGE TO THE MAIN GENERATOR SEALS	EAL 9-1-1 INDICATION OF ANY TWO VALID SEISMIC SYMPTOMS LISTED ON EAL TABLE 6 EAL 9-2-1 TORNADO REPORTED WITHIN THE EAB EAL 9-3-1 SUSTAINED WIND SPEED AT 10 METERS OF 74 MPH OR GREATER EAL 10-1-1 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 08-152.02 OR OTHER SMALL FIRES OF NO PLANT SAFETY CONSEQUENCE) EAL 10-2-1 AIRCRAFT TRAIN OR OTHER VEHICLE CRASH THAT MAY DAMAGE PLANT STRUCTURES CONTAINING FUNCTIONS OR SYSTEMS REQUIRED FOR SAFE SHUTDOWN OF THE PLANT EAL 10-3-1 UNPLANNED EXPLOSION WITHIN THE PROTECTED AREA RESULTING IN VISIBLE DAMAGE TO PERMANENT STRUCTURES OR EQUIPMENT EAL 10-4-1 UNPLANNED TOXIC OR FLAMMABLE GAS RELEASE WITHIN THE EAB (REFERENCE EAL TABLE 7) EAL 10-5-1 CIVIL DISTURBANCE ONGOING BETWEEN THE SITE BOUNDARY AND THE PROTECTED AREA	EAL 10-1-1 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 08-152.02 OR OTHER SMALL FIRES OF NO PLANT SAFETY CONSEQUENCE) EAL 10-2-1 AIRCRAFT TRAIN OR OTHER VEHICLE CRASH THAT MAY DAMAGE PLANT STRUCTURES CONTAINING FUNCTIONS OR SYSTEMS REQUIRED FOR SAFE SHUTDOWN OF THE PLANT EAL 10-3-1 UNPLANNED EXPLOSION WITHIN THE PROTECTED AREA RESULTING IN VISIBLE DAMAGE TO PERMANENT STRUCTURES OR EQUIPMENT EAL 10-4-1 UNPLANNED TOXIC OR FLAMMABLE GAS RELEASE WITHIN THE EAB (REFERENCE EAL TABLE 7) EAL 10-5-1 CIVIL DISTURBANCE ONGOING BETWEEN THE SITE BOUNDARY AND THE PROTECTED AREA	EAL 11-1-1 OTHER PLANT CONDITIONS EXIST THAT WARRANT INCREASED AWARENESS OF THE PART OF THE PLANT OPERATION STAFF, CHATHAM COUNTY, LEE COUNTY, HANDETT COUNTY, LEE COUNTY, HANDETT COUNTY, OR THE STATE OF NORTH CAROLINA EAL 12-1-1 UNPLANNED EXPLOSION WITHIN THE PROTECTED AREA RESULTING IN VISIBLE DAMAGE TO PERMANENT STRUCTURES OR EQUIPMENT EAL 12-2-1 CIVIL DISTURBANCE ONGOING BETWEEN THE SITE BOUNDARY AND THE PROTECTED AREA

DEFINITIONS OF AREAS REFERRED TO IN THESE EAL'S:

POWER BLOCK INCLUDES THE CONTAINMENT, REACTOR AUXILIARY BLDG., TURBINE BLDG., FUEL HANDLING BLDG. (INCLUDING THE "K" 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 2000 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