

ANALYSIS OF FIRE HAZARDS

FIRE AREA	FIRE AREA IDENTIFICATION	SAFETY CLASS	ELEVATION	FIRE AREAS			COMBUSTIBLES				FIRE PROTECTION SYSTEMS					FIRE DETECTION SYSTEMS		REMARKS		
				NUMBER	NAME & EQUIPMENT LOCATED	VOLUME	MATERIAL	TOTAL FUEL LOADINGS (GAL)	SURFACE AREA EXPOSED TO FIRE (SQ FT)	FUEL LOADING (LBS/SQ FT)	FIRE HAZARD CLASS.	FIXED			PORTABLE EXTINGUISHERS		TYPE		INTENDED SERVICE	
												TYPE	DENSITY	ACTION	TYPE	CAPACITY				U.L. RATING
AUXILIARY BUILDING cont'd																				
AD	36	SR	810'-6"	206	BORIC ACID STORAGE TANK ROOM	3	2 GAL. TRANS. COMBUSTIBLES	342 x 10 ³	125	275	LOW	NONE	---	---	NONE	---	---	NONE	---	
AE	37	SR	810'-6"	204	COMPONENT COOLING WATER PUMP ROOM UNIT 2	3	LUBE OIL, 2 GAL. TRANS. COMBUSTIBLES	506 x 10 ³	670	75.4	LOW	NONE	---	---	NONE	---	---	I.D.	LA & RA	
AF	38	SR	810'-6"	205	COMPONENT COOLING WATER PUMP ROOM UNIT 1	3	LUBE OIL, 2 GAL. TRANS. COMBUSTIBLES	506 x 10 ³	670	75.4	LOW	NONE	---	---	NONE	---	---	I.D.	LA & RA	
AA	34	SR	831'-6"	220	WASTE GAS COMPRESSOR ROOM	3	2 GAL. TRANS. COMBUSTIBLES	342 x 10 ³	239	1.43 x 10 ³	LOW	NONE	---	---	NONE	---	---	NONE	---	
AA	35	SR	831'-6"	221	HYDROGEN RECOMBINER ROOM	3	2 GAL. TRANS. COMBUSTIBLES	342 x 10 ³	239	1.43 x 10 ³	LOW	NONE	---	---	NONE	---	---	NONE	---	
AA	36	SR	831'-6"	222	WASTE GAS COMPRESSOR ROOM	3	2 GAL. TRANS. COMBUSTIBLES	342 x 10 ³	239	1.43 x 10 ³	LOW	NONE	---	---	NONE	---	---	NONE	---	
AA	37	SR	831'-6"	224	HYDROGEN RECOMBINER ROOM	3	2 GAL. TRANS. COMBUSTIBLES	342 x 10 ³	239	1.43 x 10 ³	LOW	NONE	---	---	NONE	---	---	NONE	---	
AA	38	SR	873'-6"	245	MECHANICAL EQUIPMENT AREA	3	2 GAL. TRANS. COMBUSTIBLES, FILTERS	362 x 10 ³	2258	2.55 x 10 ³	LOW	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA, RA & FA	ONLY PORTIONS OF THIS AREA ARE SPANNERED
AA	39	SR	873'-6"	244	MECHANICAL EQUIPMENT AREA	3	ELECTRICAL CABLES, FILTERS, CHARCOAL ADSORBERS, 2 GAL. TRANS. COMBUSTIBLES	653 x 10 ³	7448	8.77 x 10 ³	MEDIUM	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D., I.D.	LA, RA & FSA	ONLY PORTIONS OF THIS AREA ARE SPANNERED
AA	40	SR	886'-6"	246	MECHANICAL EQUIPMENT AREA	3	ELECTRICAL CABLES, FILTERS, CHARCOAL ADSORBERS, 2 GAL. TRANS. COMBUSTIBLES	673 x 10 ³	7438	9.09 x 10 ³	MEDIUM	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D., I.D.	LA, RA & FSA	ONLY PORTIONS OF THIS AREA ARE SPANNERED
AD	36	SR	810'-6"	225	BORIC ACID STORAGE TANK ROOM	3	2 GAL. TRANS. COMBUSTIBLES	342 x 10 ³	1244	275	LLW	NONE	---	---	NONE	---	---	I.D.	LA & RA	
ELECTRICAL CONTROL BUILDING																				
EA	43	SR	778'-0"	113	INSTALLMENT AIR COMPRESSOR	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	4.71 x 10 ³	3480	4.13 x 10 ³	MEDIUM	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA, RA & FA	ONLY PORTIONS OF THIS AREA ARE SPANNERED
EA	44	NSR	778'-0"	114	CHEMICAL FEED EQUIP. & STORAGE	3	2 GAL. TRANS. COMB., HYDROZINE, MORPHOLINE, ELECTRICAL CABLES	8.81 x 10 ³	73	1.24 x 10 ³	MEDIUM	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA & RA	ONLY PORTIONS OF THIS AREA ARE SPANNERED
EB	45	NSR	778'-0"	115	STAIRS NO. EC-2	2	2 GAL. TRANS. COMBUSTIBLES	3.42 x 10 ³	126	2.71 x 10 ³	LOW	NONE	---	---	NONE	---	---	I.D.	LA & RA	
AA	46	NSR	778'-0"	116	ELEVATOR SHAFT	2	2 GAL. TRANS. COMBUSTIBLES	3.42 x 10 ³	56	7.1 x 10 ³	LOW	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EA	47	NSR	778'-0"	115	SECONDARY SAMPLER ROOM	3	2 GAL. TRANS. COMB.	3.42 x 10 ³	409	8.36	LOW	NONE	---	---	NONE	---	---	NONE	---	
EC	48	SR	792'-0"	116	BATTERY ROOM TRAIN B, UNIT 2	3	2 GAL. TRANS. COMB., PLASTIC BATTERY CASE	1.38 x 10 ³	261	5.5 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA, RA & FA	
EC	49	SR	792'-0"	117	BATTERY ROOM TRAIN B, UNIT 1	3	2 GAL. TRANS. COMB., PLASTIC BATTERY CASE	1.38 x 10 ³	261	5.5 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EC	50	SR	792'-0"	118	UPS AND DISTRIBUTION ROOM TRAIN B, UNIT 2	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	2.12 x 10 ³	325	5.1 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EC	51	SR	792'-0"	119	UPS AND DISTRIBUTION ROOM TRAIN B, UNIT 1	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	2.12 x 10 ³	325	5.1 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EH	52	SR	792'-0"	120	UPS AND DISTRIBUTION ROOM TRAIN A, UNIT 2	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	2.25 x 10 ³	341	6.88 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EH	53	SR	792'-0"	121	UPS AND DISTRIBUTION ROOM TRAIN A, UNIT 1	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	2.16 x 10 ³	341	6.92 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EA	54	SR	792'-0"	122	CORRIDOR	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	9.1 x 10 ³	516	7.71 x 10 ³	LIGHT	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA & RA	
EH	55	SR	792'-0"	123	BATTERY ROOM TRAIN A, UNIT 2	3	2 GAL. TRANS. COMB., PLASTIC BATTERY CASE	1.38 x 10 ³	280	4.53 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EH	56	SR	792'-0"	124	BATTERY ROOM TRAIN A, UNIT 1	3	2 GAL. TRANS. COMB., PLASTIC BATTERY CASE	1.38 x 10 ³	280	4.53 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EA	57	SR	792'-0"	125	CORRIDOR	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	9.50 x 10 ³	516	7.94 x 10 ³	LIGHT	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA, RA & FA	
EA	58	SR	792'-0"	126	UPS AND DISTRIBUTION ROOM TRAIN C, UNIT 2	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	1.13 x 10 ³	225	5.9 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EA	59	SR	792'-0"	128	BATTERY ROOM TRAIN C, UNIT 2	3	2 GAL. TRANS. COMB., PLASTIC BATTERY CASE	2.73 x 10 ³	443	6.14 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EA	60	SR	792'-0"	127	BATTERY ROOM TRAIN C, UNIT 1	3	2 GAL. TRANS. COMB., PLASTIC BATTERY CASE	2.73 x 10 ³	443	6.14 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EA	61	SR	792'-0"	129	UPS AND DISTRIBUTION ROOM TRAIN C, UNIT 1	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	3.42 x 10 ³	226	4.11 x 10 ³	MEDIUM	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EL	62	NSR	792'-0"	134A, 134B	STAIRS NO. EC-1	2	2 GAL. TRANS. COMBUSTIBLES	3.42 x 10 ³	166	6.1 x 10 ³	LOW	NONE	---	---	NONE	---	---	I.D.	LA & RA	
EM	63	SR	807'-0"	134	CABLE SPREADING ROOM	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	2.4 x 10 ³	704	3.55 x 10 ³	SEVERE	MSS/HS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA, RA & FSA	
EK	64	SR	817'-0"	133	CABLE SPREADING ROOM	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	2.3 x 10 ³	784	3.2 x 10 ³	SEVERE	MSS/HS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA, RA & FSA	
ED	65	SR	830'-0"	133, 133A, 133B	CONTROL ROOM COMPLEX	3	ELECTRICAL CABLES, PLASTIC 2 GAL. TRANS. COMB.	4.5 x 10 ³	13,577	3.19 x 10 ³	LIGHT	HS	3/100	MANUAL	HPK	20 LBS	80-B-C	I.D., T.D.	LA & RA	
ED	66	NSR	830'-0"	136	COMPUTER ROOM	3	2 GAL. TRANS. COMB., PLASTIC	303 x 10 ³	487	6.23 x 10 ³	MEDIUM	FHS	---	---	---	---	---	I.D.	LA, RA & FSA	
ED	67	NSR	830'-0"	137	FILE AREA	3	ORDINARY COMBUSTIBLES	N/A	---	---	LIGHT	NONE	---	---	---	---	---	I.D.	LA & RA	
ED	68	NSR	830'-0"	146	CHARTS & SUPPLIES STORAGE	3	ORDINARY COMBUSTIBLES	N/A	---	---	LIGHT	NONE	---	---	---	---	---	I.D.	LA & RA	
ED	69	NSR	830'-0"	147	COMPUTER ROOM	3	2 GAL. TRANS. COMB., PLASTIC	304 x 10 ³	575	5.27 x 10 ³	MEDIUM	FHS	---	---	---	---	---	I.D.	LA, RA & FSA	
ED	70	NSR	840'-6"	158	OFFICE	3	ORDINARY COMBUSTIBLES	N/A	---	---	LIGHT	NONE	---	---	---	---	---	I.D.	LA & RA	
ED	71	NSR	840'-6"	159	OFFICE	3	ELECTRICAL CABLES, ORDINARY COMB.	1.51 x 10 ³	156	9.71 x 10 ³	MEDIUM	NONE	---	---	---	---	---	I.D.	LA & RA	
ED	72	NSR	840'-6"	168	OFFICE	3	ELECTRICAL CABLES, ORDINARY COMB.	1.01 x 10 ³	124	7.54 x 10 ³	MEDIUM	NONE	---	---	---	---	---	I.D.	LA & RA	
EA	73	SR	854'-4"	150A	MECHANICAL EQUIP. ROOM	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB., LUBE OIL, CHARCOAL ADSORBERS	2.1 x 10 ³	322	5.82 x 10 ³	MEDIUM	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA & RA	
EA	74	SR	854'-4"	150A	MECHANICAL EQUIP. ROOM	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB., LUBE OIL, CHARCOAL ADSORBERS	1.8 x 10 ³	362	4.28 x 10 ³	MEDIUM	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D., T.D.	LA, RA & FSA	
EA	75	NSR	854'-4"	151A, 151B	MECHANICAL EQUIP. ROOM	3	ELECTRICAL CABLES, FIBERGLASS 2 GAL. TRANS. COMB.	3.4 x 10 ³	2544	1.42 x 10 ³	LIGHT	NONE	---	---	---	---	---	I.D., T.D.	LA, RA & FSA	
ED	70	NSR	840'-6"	162	PROCESS MONITOR RACK	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	5.42 x 10 ³	35	5.83 x 10 ³	MEDIUM	NONE	---	---	---	---	---	I.D.	LA & RA	
EC	141	NSR	840'-6"	180	PROCESS MONITOR RACKS	2	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	1.05 x 10 ³	115	9.53 x 10 ³	MEDIUM	NONE	---	---	---	---	---	I.D.	LA & RA	
ER	149	SR	1178'-0"	1150	LUBE OIL, 2 GAL. TRANS. COMB.	3	LUBE OIL, 2 GAL. TRANS. COMB.	710 x 10 ³	546	5.47 x 10 ³	LOW	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA & RA	
ER	150	SR	1178'-0"	1151	LUBE OIL, 2 GAL. TRANS. COMB.	3	LUBE OIL, 2 GAL. TRANS. COMB.	710 x 10 ³	546	5.47 x 10 ³	LOW	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA & RA	
AA	153	SR	1176'-0"	1152	MECHANICAL EQUIP. AREA	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB., LUBE OIL, CHARCOAL ADSORBERS	1.9 x 10 ³	117	8.97 x 10 ³	MEDIUM	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA & RA	
AA	154	SR	1176'-0"	1153	MECHANICAL EQUIP. AREA	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB., LUBE OIL, CHARCOAL ADSORBERS	1.9 x 10 ³	117	8.97 x 10 ³	MEDIUM	AWS	2000 PSI	MANUAL	HPK	20 LBS	80-B-C	I.D.	LA & RA	
EA	161	NSR	832'-6"	181	MECHANICAL EQUIP. ROOM	3	ELECTRICAL CABLES, 2 GAL. TRANS. COMB.	3.93 x 10 ³	255	2.96 x 10 ³	LIGHT	NONE	---	---	---	---	---	I.D.	LA & RA	
ED	162	NSR	832'-6"	182	MECHANICAL EQUIP. ROOM	3	2 GAL. TRANS. COMBUSTIBLES	3.42 x 10 ³	255	1.54 x 10 ³	LOW	NONE	---	---	---	---	---	I.D.	LA & RA	
ED	153	NSR	832'-6"	183	MECHANICAL EQUIP. ROOM	3	2 GAL. TRANS. COMBUSTIBLES	3.42 x 10 ³	254	1.53 x 10 ³	LOW	NONE	---	---	---	---	---	I.D.	LA & RA	

NOTES:
1. FOR ABBREVIATIONS AND NOTES REFER TO DWG. NO. FSA-45.

APERTURE
CART

NON-NUCLEAR SAFETY
GA PROGRAM APPLICABLE
THIS FORM PREPARED TO INCLUDE
THIS CONTENTS OF 616 OF THE
FRA-46 REV. 3 AND AS NOTED

TEXAS UTILITIES
GENERATING CO.
TABULATION OF FIRE
HAZARDS SHEET NO. 2
FHA-45

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PDR RIDS

