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Effective Date 2-5-99

ANNUNCIATOR RESPONSE

AR-801

FLORIDA POWER CORPORATION

CRYSTAL RIVER UNIT 3

FSA ANNUNCIATOR RESPONSE

PPROVED BY:

Procedure owner

SIGNATURE ON FILE)

DATE:

2/3/99

PROCEDURE WRITER:

Michael A. Winship

RESPONSIBLE DEPARTMENT:

Nuclear Plant

Operations Support

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CLOSURE	
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1.0 PURPOSE

- 1.1 Establish a reference document for each Annunciator Window on the FSA Lampbox.
- 1.2 Establish operator actions for valid Annunciator alarms on the FSA Lampbox.
- 1.3 Establish a reference to other procedures which address operator actions for valid Annunciator alarms on the FSA Lampbox.

2.0 REFERENCES

2.1 DEVELOPMENTAL REFERENCES

- 2.1.1 INPO 90-021, Good Practice OP-217, Alarm Response Procedures
- 2.1.2 Annunciator Window Engraving Drawing E-224-050
- 2.1.3 Calculation I-95-0007 R-0, EFW Source Volumes

3.0 PERSONNEL INDOCTRINATION

3.1 The Fire Service Annunciator System is powered from ACDP-40 Breaker 19.

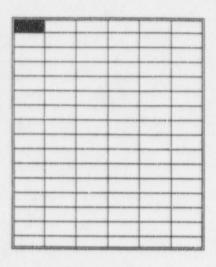
4.0 INSTRUCTIONS

4.1 Respond to alarms on the FSA Lampbox as indicated on Enclosure 1, Annunciator Response.

5.0 FOLLOW-UP ACTIONS

None

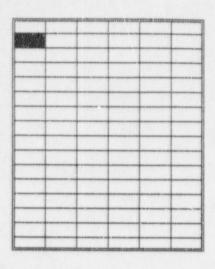
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FIRE SYSTEM	ANNUNCIATOR	RESPONSE	FS-01-01	FS-01-01



FIRE WTR TANK 3A LEVEL LOW

INDICATED CONDITION: TANK LEVEL ≤35'7"	
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:	
OPERATOR ACTION FOR A VALID ALARM: REFILL TANK	
DISCUSSION:	
REFERENCES: DWG 208-031 FS-21	
SENSING ELEMENT: FS-47-LS	

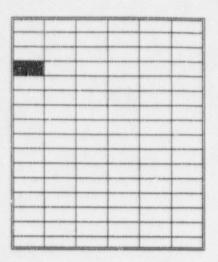
The state of the s		
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-01-02	FS-01-02



FIRE WTR TANK 3B LEVEL LOW

INDICATED CONDITION: TANK LEVEL ≤35'7"	
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:	
OPERATOR ACTION FOR A VALID ALARM: REFILL TANK	
DISCUSSION:	
REFERENCES: DWG 208-031 FS-21	
SENSING ELEMENT: FS-48-LS	

FIRE SYSTEM ANNUNCIATOR RESPONSE FS-01-04 FS-01-04	FIRE S	SYSTEM	ANNUNCIATOR	RESPONSE	FS-01-04	FS-01-04
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CO2 TANK PRESS HI/LO

INDICATED CONDITION: CARDOX TANK PRESSURE RELAY RAR ACTUATED

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

- CARDOX PANEL WINDOW CO-1-2 ALARM
- LOCAL PRESSURE INDICATOR CO-1-PI

OPERATOR ACTION FOR A VALID ALARM:

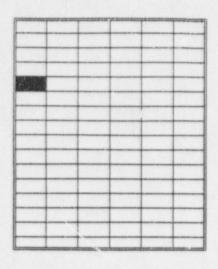
- WALK DOWN CO SYSTEM AND ENSURE NO LEAKS
- ENSURE PROPER OPERATION OF CARDOX UNIT

DISCUSSION: CARDOX TANK RELAY RAR IS ACTUATED WHEN CARDOX TANK PRESSURE AS SEEN BY CO-1-PS1 IS ≥325 PSIG OR ≤275 PSIG.

REFERENCES: DWG 208-031 FS-21, DWG FL-16996 4

SENSING ELEMENT: CARDOX TANK RELAY RAR

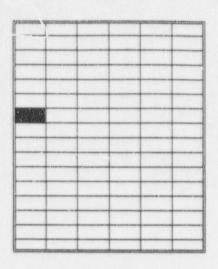
CONTRACTOR OF THE PERSON NAMED IN CONTRA	THE PERSON NAMED IN COMMISSION OF THE PE	to the second contract	-
FIRE SYSTE	M ANNUNCIATOR RESPONSE	FS-01-05	FS-01-05



PUMP TEST RET WATER TO TANK

INDICATED CONDITION: FLOW IN FIRE SERVICE RECIRC LINE ≥540GPM
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM: NONE
DISCUSSION:
REFERENCES: DWG 208-031 FS-21
SENSING ELEMENT: FS-12-FS

The state of the s	ARROWS OF THE REST OF THE PARTY	e appresentative ex excellent consistence of expense excellent construction, accordance and accordance comp	PROPERTY OF THE PERSON OF THE PROPERTY OF THE PARTY OF TH
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-01-07	FS-01-07



FREON SYSTEM ACTIVATED

INDICATED CONDITION: FREON SYSTEM ACTIVATED IN CABLE SPREADING ROOM

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

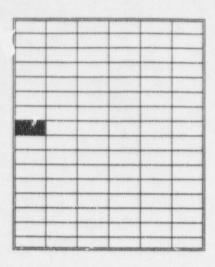
OPERATOR ACTION FOR A VALID ALARM: NOTIFY FIRE BRIGADE TO INSPECT CABLE SPREADING ROOM. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: KIB FREON SYSTEM INTERFACE FIRING UNIT

			STATE OF THE OWNER, SHOWING THE OWNER, SANSON OF TH	Assessment of the second secon	THE RESERVE OF THE PARTY OF THE
FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	F5-01-08	FS-01-08



PR 3A (HAZ 1)

INDICATED CONDITION: CARDOX HAZARD ZONE 1 RELAY PE ACTUATED (FWP-2A)

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

- CARDOX PANEL WINDOW CO-1-1 ALARM
- LOCAL WARNING BELL

OPERATOR ACTION FOR A VALID ALARM:

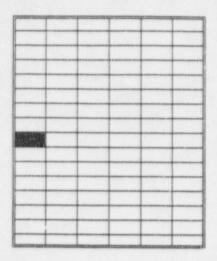
- LOCALLY VERIFY CARDOX SYSTEM ACTUATION ON FWP-2A
- DEPRESS LOCAL SPURT PUSHBUTTON IF ADDITIONAL FLOW IS REQUIRED
- REFER TO AP-880 (FP).

DISCUSSION: THE CARDOX SYSTEM WILL ACTUATE BY THE RESPONSE OF RATE COMPENSATED FIXED TEMPERATURE HEAT DETECTORS CO-3-TS1 THROUGH CO-3-TS7.

REFERENCES: DWG 208-031 FS-21, DWG FL-16995 4

SENSING ELEMENT: HAZARD ZONE 1 RELAY PE

The state of the s	THE REAL PROPERTY AND PERSONS ASSESSED.	The state of the s	AND WILLIAM STREET, THE REAL THE PROPERTY OF THE
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-01-09	FS-01-09



FDWTR PP & TURB DR 3B (HAZ-2)

INDICATED CONDITION: CARDOX HAZARD ZONE 2 RELAY PE ACTUATED (FWP-2B)

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

- CARDOX PANEL WINDOW CO-2-1 ALARM
- LOCAL WARNING BELL

OPERATOR ACTION FOR A VALID ALARM:

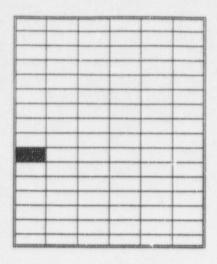
- LOCALLY VERIFY CARDOX SYSTEM ACTUATION ON FWP-2B
- DEPRESS LOCAL SPURT PUSHBUTTON IF ADDITIONAL FLOW IS REQUIRED
- REFER TO AP-880 (FP).

DISCUSSION: THE CARDOX SYSTEM WILL ACTUATE BY THE RESPONSE OF RATE COMPENSATED FIXED TEMPERATURE HEAT DETECTORS CO-4-TS1 THROUGH CO-4-TS7

REFERENCES: DWG 208-031 FS-21, DWG FL-16995 4

SENSING ELEMENT: HAZARD ZONE 2 RELAY PE

FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-01-10	FS-01-10
	CARLES OF THE PARTY OF THE PART		



TURB GEN BRIGS 1-5 (HAZARD-3)

INDICATED CONDITION: CARDOX HAZARD ZONE 3 RELAY PE ACTUATED

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

- CARDOX PANEL WINDOW CO-3-1 ALARM
- LOCAL WARNING BELL

OPERATOR ACTION FOR A VALID ALARM:

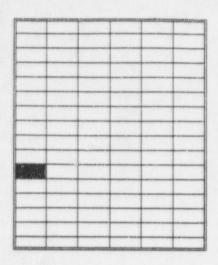
- LOCALLY VERIFY CARDOX SYSTEM ACTUATION ON TURBINE GENERATOR BEARINGS 1 THROUGH 5
- DEPRESS LOCAL SPURT PUSHBUTTON IF ADDITIONAL FLOW IS REQUIRED
- REFER TO AP-880 (FP).

DISCUSSION: THE CARDOX SYSTEM WILL ACTUATE BY THE RESPONSE OF RATE COMPENSATED FIXED TEMPERATURE HEAT DETECTORS CO-5-TS1 THROUGH CO-5-TS4

REFERENCES: DWG 208-031 FS-21, DWG FL-16995 4

SENSING ELEMENT: HAZARD ZONE 3 RELAY PE

	CALLEGE STATE OF THE PROPERTY		
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-01-11	FS-01-11



TURB GEN BRGS 6-9 (HAZARD-4)

INDICATED CONDITION: CARDOX HAZARD ZONE 4 RELAY PE ACTUATED

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

- CARDOX PANEL WINDOW CO-4-1 ALARM
- LOCAL WARNING BELL

OPERATOR ACTION FOR A VALID ALARM:

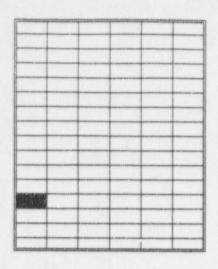
- LOCALLY VERIFY CARDOX SYSTEM ACTUATION ON TURBINE GENERATOR BEARINGS 6
 THROUGH 9
- DEPRESS LOCAL SPURT PUSHBUTTON IF ADDITIONAL FLOW IS REQUIRED
- REFER TO AP-880 (FP)

DISCUSSION: THE CARDOX SYSTEM WILL ACTUATE BY THE RESPONSE OF RATE COMPENSATED FIXED TEMPERATURE DETECTORS CO-6-TS1 THROUGH CO-6-TS4

REFERENCES: DWG 208-031 FS-21, DWG FL-16995 4

SENSING ELEMENT: HAZARD ZONE 4 RELAY PE

	Company of the Residence of the Company of the Comp	PER SECURITION OF THE PARTY OF
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-01-13	FS-01-13



FSP-1 RUNNING

INDICATED CONDITION: POWER IS APPLIED TO FSP-1 MOTOR AND FSP-1 PUMP SHOULD BE RUNNING

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: NONE.

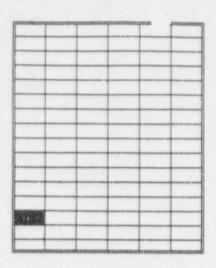
DISCUSSION:

FIRE PUMP HOUSE FANS (AHF-33A & AHF-33B) ARE USED FOR FIRE PUMP COOLING AND COMBUSTION AIR FOR DIESEL PUMP FIRE PUMPS. AT LEAST ONE FAN MUST BE IN OPERATION ANY TIME A FIRE PUMP IS IN OPERATION EXCEPT DURING COLD WEATHER OPERATIONS PER 0I-13.

REFERENCES: DWG 208-031 FS-14, FS-03

SENSING ELEMENT: MA1-1

ETPE SYSTEM ANNIHACTATOR RESPONSE	The state of the s	CONTRACTOR DE L'ANGE DE L'		-
FS-UI-14 FS-UI-14	FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-01-14	FS-01-14	

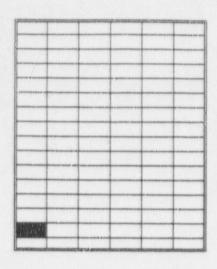


SENSING ELEMENT: MA1-1

FSP-1 CONTR PWR OFF

(ACDP 7 BREAKER #9)
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM:
DISCUSSION:
REFERENCES: DWG 208-031 FS 14, FS-04

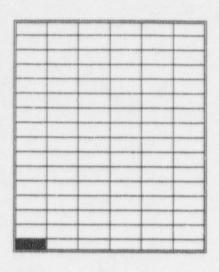
	THE RESIDENCE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, WHEN THE PERSON NAMED IN COLUMN TWO IS NAMED IN THE PERSON NAMED IN THE		
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-01-15	FS-01-15



CABLE SPR ROOM AUTO FANS OFF

INDICATED CONDITION: SELECTOR SWITCH PLACED IN THE "OFF" POSITION
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM: VERIFY SELECTOR SWITCH IS IN THE AUTO POSITION. INSTALL TEMPOPARY FANS IF NECESSARY.
DISCUSSION:
REFERENCES:
SENSING ELEMENT: FSE-592

The transfer of the same of th	CONTRACTOR OF THE ASSESSMENT OF BASINGS AND THE RESERVE AND ADDRESS OF THE PARTY.	CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE	
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-01-16	FS-01-16



F.S. TANK INSTR HEAT TRACE FAIL

INDICATED CONDITION: OUTSIDE AIR TEMP ≤34 DEG F; HEAT TRACE FAIL

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

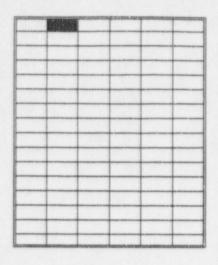
OPERATOR ACTION FOR A VALID ALARM: DETERMINE IF TEMP REQUIRES A CHANGE IN THE FIRE SERVICE SYSTEM LINEUP. CHECK HEAT TRACE LINES.

DISCUSSION: CHECK METEOROLOGICAL STATION INDICATION

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-49-TS

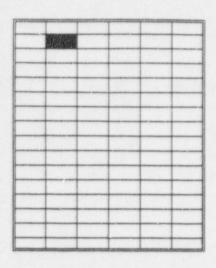
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-02-01	FS-02-01



FSP-2A OVERSPEED

INDICATED CONDITION: FSP-2A OVERSPEED ≥2100 RPM
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM:
DISCUSSION: PUSH LOCAL RESET PUSH BUTTON TO CLEAR ALARM
REFERENCES: DWG 208-031 FS-2-7, FS-01
SENSING ELEMENT: SKID MOUNTED SPEED SWITCH

FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-02-02	FS-02-02
Tank Bisien Minorelation Mesi Orise	120202	13-02-02



FSP-2A HI WATER TEMP

INDICATED CONDITION: HI WTR TEMP ON COOLING WTR ≥190 DEG F

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

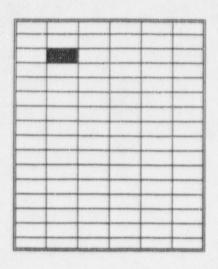
OPERATOR ACTION FOR A VALID ALARM: CHECK WATER LEVEL IN DIESEL COOLING SYSTEM.

DISCUSSION: PUSH LOCAL RESET PUSH BUTTON TO CLEAR ALARM

REFERENCES: DWG 208-031 FS-2-7, FS-01

SENSING ELEMENT: FS-15-TS

FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-02-03	FS-02-03
The state of the s	A CONTRACTOR OF THE PROPERTY O	



FSP-2A LO LUBE OIL PRESS

INDICATED CONDITION: LO LUBE OIL PRESS ≤10 PSIG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

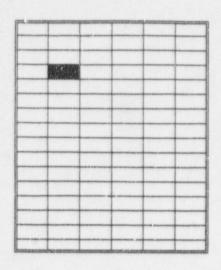
OPERATOR ACTION FOR A VALID ALARM: REFILL WITH OIL IF NECESSARY.

DISCUSSION:

REFERENCES: DWG 208-031 FS-2-7, FS-01

SENSING ELEMENT: FS-40-PS

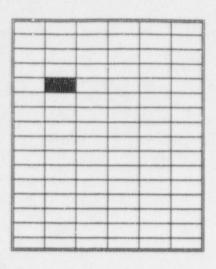
	THE REAL PROPERTY AND PERSONS ASSESSED.	American commencement and a series of the se	BEST TO THE OWNER OF THE PERSON OF THE PERSO
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-02-04	FS-02-04



FSP-2A NOT IN AUTO

INDICATED CONDITION: DIESEL CONTROL SWITCH NOT IN AUTO OR TEST	
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:	
OPERATOR ACTION FOR A VALID ALARM: RETURN SWITCH TO AUTO	
DISCUSSION:	
REFERENCES: DWG 208-031 FS-2-7, FS-01	
SENSING ELEMENT: CS	

	NATIONAL PROPERTY OF THE OWNERS OF THE OWNER		
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-02-05	FS-02-05



FSP-2A FAIL TO START

INDICATED CONDITION: PUMP NOT RUNNING UP TO SPEED 90 SECONDS AFTER DIESEL RECEIVES AN AUTO START

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

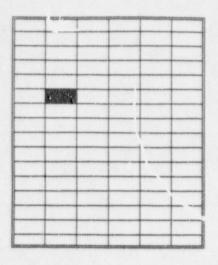
OPERATOR ACTION FOR A VALID ALARM:

DISCUSSION: PUSH LOCAL RESET PUSH BUTTON TO RESET ALARM

REFERENCES: DWG 208-031 FS-2-7, FS-01

SENSING ELEMENT: RELAY 7R

	AND ADDRESS OF THE OWNERS OF THE OWNER OWN	AND DESCRIPTION OF THE PERSON	Control and a supplied of supplied on the supplied of the supp	Acres 100 to
FIRE SYSTEM	ANNUNCIATOR	RESPONSE	FS-02-06	FS-02-06



FSP-2A RUNNING

INDICATED CONDITION: DIESEL IS RUNNING AND UP TO SPEED

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: NONE

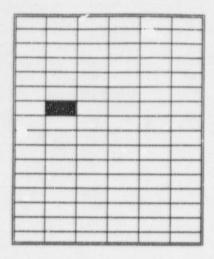
DISCUSSION:

FIRE PUMP HOUSE FANS (AHF-33A & AHF-33B) ARE USED FOR FIRE PUMP COOLING AND COMBUSTION AIR FOR DIESEL PUMP FIRE PUMPS. AT LEAST ONE FAN MUST BE IN OPERATION ANY TIME A FIRE PUMP IS IN OPERATION EXCEPT DURING COLD WEATHER OPERATIONS PER 01-13.

REFERENCES: DWG 208-031 FS-2-7, FS-01.

SENSING ELEMENT: RELAY 15R

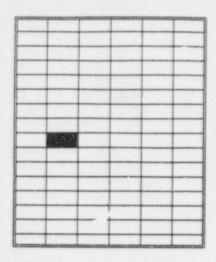
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FIRE SYSTEM	ANNUNCIATOR	RESPONSE	FS-02-07	FS-02-07



FSP-2A FUEL LEVEL LOW

INDICATED CONDITION: FUEL TANK LEVEL ≤66.5% FULL	
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:	
OPERATOR ACTION FOR A VALID ALARM: REFILL TANK	
DISCUSSION:	
REFERENCES: DWG 208-031 FS-21	Minimized Emphasis (minimized specific Emphasis (minimized specific Emphasis))
SENSING ELEMENT: FS-13-LS	A Commission of the Commission

FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-02-09	FS-02-09
CAN PROCESSION OF THE PARTY OF	THE RESERVE OF THE PARTY OF THE	THE RESIDENCE OF THE PARTY OF T	MARKET STREET, STATE STREET, ST. CO. CO., ST. CO	THE TAXABLE PROPERTY AND ADDRESS OF THE PROPERTY OF THE PROPER	CONTRACTOR OF THE PARTY OF THE



FSP-2B OVERSPEED

INDICATED CONDITION: FSP-2B OVERSPEED ≥2100 RPM

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

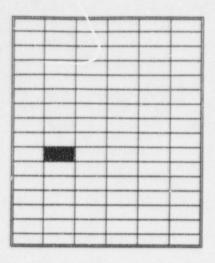
OPERATOR ACTION FOR A VALID ALARM.

DISCUSSION: PUSH LOCAL RESET PUSH BUTTON TO CLEAR ALARM

REFERENCES: DWG 208-031 FS-8-13, FS-02

SENSING ELEMENT: SKID MOUNTED SPEED SWITCH

THE RESERVE OF THE PROPERTY OF	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE O		
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-02-10	FS-02-10



FSP-2B HI WATER TEMP

INDICATED CONDITION: HI WATER TEMP ON COOLING WTR ≥190 DEG F

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

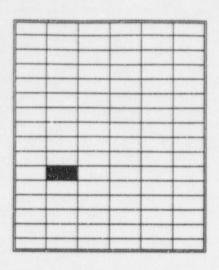
OPERATOR ACTION FOR A VALID ALARM: CHECK WATER LEVEL IN DIESEL COOLING SYSTEM.

DISCUSSION: PUSH LOCAL RESET PUSH BUTTON TO CLEAR ALARM

REFERENCES: DWG 208-031 FS-8-13, FS-02

SENSING ELEMENT: FS-16-TS

***	-		THE PROPERTY AND PERSONS ASSESSED TO SEE STATE OF THE PARTY OF THE PAR	AND THE PERSON NAMED IN COLUMN 2 IN COLUMN	market between the second contract of the cont	NAME OF TAXABLE PARTY OF TAXABLE PARTY OF TAXABLE PARTY OF TAXABLE PARTY.
	FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-02-11	FS-02-11



FSP-2B LO LUBE OIL PRESS

INDICATED CONDITION: LO LUBE OIL PRESS ≤10 PSIG

REDUNDANT INDICATION WHICH WILL VERIFY 'LARM:

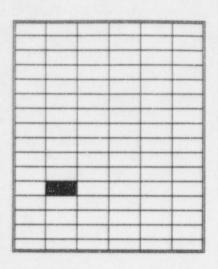
OPERATOR ACTION FOR A VALID ALARM: REFILL WITH OIL IF NECESSARY

DISCUSSION:

REFERENCES: DWG 208-031 FS-8-13, FS-02

SENSING ELEMENT: FS-41-PS

FIRE SYSTEM ANNUNCIATOR RESPONSE	S-02-12 FS-02-12	
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FSP-2B NOT IN AUTO

INDICATED CONDITION: DIESEL CONTROL SWITCH NOT IN AUTO OR TEST

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

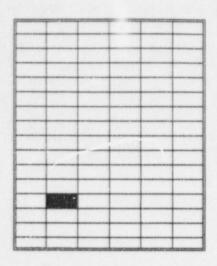
OPERATOR ACTION FOR A VALID ALARM: RETURN TO AUTO

DISCUSSION:

REFERENCES: DWG 208-031 FS-8-13, FS-02

SENSING ELEMENT: CS

	A STATE OF THE PARTY OF THE PAR	THE RESIDENCE OF THE PARTY OF T	THE RULE OF THE PERSON OF THE
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-02-13	FS-02-13



FSP-2B FAIL TO START

INDICATED CONDITION: DIESEL NOT UP TO SPEED AND RUNNING 90 SECONDS AFTER RECEIVING AN AUTO START SIGNAL

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM:

DISCUSSION: PUSH LOCAL RESET PUSH BUTTON TO CLEAR ALARM

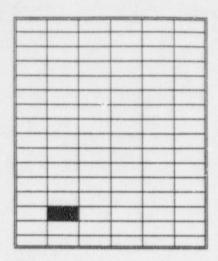
REFERENCES: DWG 208-031 FS-8-13, FS-02

SENSING ELEMENT: RELAY 7R

FIRE	SYSTEM	ANNUNCIATOR	RESPONSE
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FS-02-14

FS-02-14



FSP-2B RUNNING

INDICATED CONDITION: DIESEL IS RUNNING AND UP TO SPEED

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: NONE

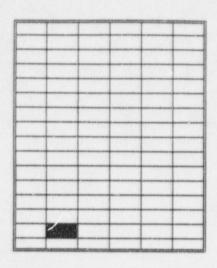
DISCUSSION:

FIRE PUMP HOUSE FANS (AHF-33A & AHF-33B) ARE USED FOR FIRE PUMP COOLING AND COMBUSTION AIR FOR DIESEL PUMP FIRE PUMPS. AT LEAST ONE FAN MUST BE IN OPERATION ANY TIME A FIRE PUMP IS IN OPERATION EXCEPT DURING COLD WEATHER OPERATIONS PER 01-13

REFERENCES: DWG 208-031 FS-8-13, FS-02

SENSING ELEMENT: RELAY 15R

THE RESIDENCE OF THE PARTY OF T	AND DESCRIPTION OF PARTY AND DESCRIPTION OF PA	The same of the sa	NAME AND ADDRESS OF THE OWNER OWNER OF THE OWNER OWNE
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-02-15	FS-02-15



FSP-2B FUEL LEVEL LOW

INDICATED CONDITION: FUEL T⊁NK LEVEL ≤50% FULL

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

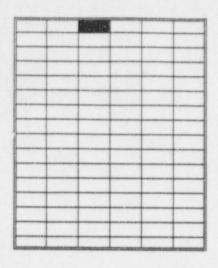
OPERATOR ACTION FOR A VALID ALARM: REFILL TANK

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-14-LS

CONTRACTOR OF THE PARTY OF THE			
FIRE SYSTEM ANNUNCIATOR R	ESPONSE	FS-03-01	FS-03-01



MN TRANSF 3-1 FIRE SYS TRBL

INDICATED CONDITION: MAIN TRANSFORMER #3-1 DELUGE VALVE (FSV-69) LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-68), OR CIRCUIT TROUBLE

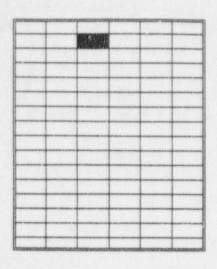
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-5, FD-302-231 SHT 01 OF 05

FIRE SYSTEM ANNUNCIATOR RESPONSE FS-03-0	2 FS-03-02
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MN TRANSF 3-2 FIRE SYS TRBL

INDICATED CONDITION: MAIN TRANSFORMER #3-2 DELUGE VALVE (FSV-66) LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-65), OR CIRCUIT TROUBLE

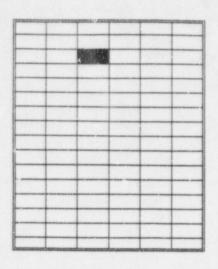
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-6, FD-302-231 SHT 01 OF 05

	THE ROOM SHOW A SHOWN AS A REAL PROPERTY OF THE PARTY OF	
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-03-03	FS-03-03



MN TRANSF 3-3 FIRE SYS TRBL

INDICATED CONDITION: MAIN TRANSFORMER #3-3 DELUGE VALVE (FSV-64) LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-63), OR CIRCUIT TROUBLE

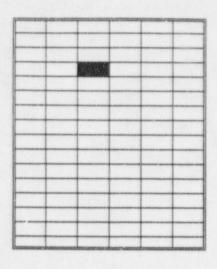
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-07, FD-302-231 SHT 01 OF 05

ob delication	HOPE PARTICIPATION AND ADDRESS.	A DOMESTIC OF DESIGNATION AND ADDRESS OF THE PARTY OF THE		Control of the Contro	Charage and a supplementary of the supplementary of	
f	FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-03-04	FS-03-04



UNIT TRANSF 3 FIRE SYS TRBL

INDICATED CONDITION: UNIT AUX TRANSFORMER DELUGE VALVE (FSV-72), LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-71), OR CIRCUIT TROUBLE

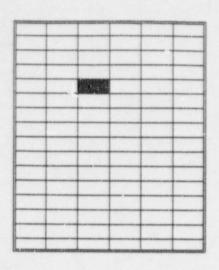
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-08, FD-302-231 SHT 01 OF 05

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FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-03-05	FS-03-05



STRT-UP TRAN 3 FIRE SYS TRBL

INDICATED CONDITION: START UP TRANSFORMER DELUGE VALVE (FSV-61) LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-60), OR CIRCUIT TROUBLE

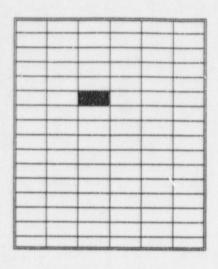
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-09, FD-302-231 SHT 01 OF 05

FIRE SYSTEM ANNUNCIATOR RES	PONSE FS-03-06	FS-03-06



WATER CURTAIN TROUBLE

INDICATED CONDITION: TURBINE BUILDING WATER CURTAIN DELUGE VALVE (FSV-239) LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-238), OR CIRCUIT TROUBLE

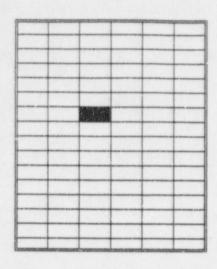
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-22, FD-302-231 5HT 01 OF 05

THE RESIDENCE OF THE PARTY OF T	The state of the s	
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-03-07	FS-03-07



TURB LUBE OIL FIRE SYS TRBL

INDICATED CONDITION: TURBINE LUBE OIL DELUGE VALVE (FSV-10) LOSS OF POWER TO CIRCUIT ISOLATION VALVE NOT OPEN (FSV-108), OR CIRCUIT TROUBLE

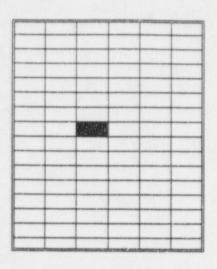
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-10, FD-302-231 SHT 01 OF 05

	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	CONTRACTOR OF THE PARTY OF THE	many and the second sec	THE RESIDENCE OF THE PERSON NAMED IN THE PERSON NAMED IN THE PERSON NAMED IN
FIRE SYSTEM	ANNUNCIATOR	RESPONSE	F:5-03-08	FS-03-08



FEEDWTR PUMP FIRE SYS TRBL

INDICATED CONDITION: FEEDWATER PUMP CONSOLES DELUGE VALVE (FSV-67) LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-62), OR CIRCUIT TROUBLE

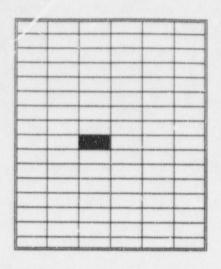
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-10, FD-302-231 SHT 01 OF 05

CONTRACTOR DESCRIPTION OF THE PARTY AND ADDRESS OF THE PARTY OF THE PA	THE SECOND CO. S. CO. S	The same of the sa	
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-03-09	FS-03-09



H2 SEAL OIL FIRE SYS TRBL

INDICATED CONDITION: HYDROGEN SEAL OIL DELUGE VALVE (FSV-82) LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-83), OR CIRCUIT TROUBLE

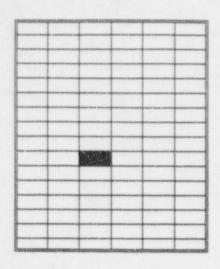
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-12, FD-302-231 SHT 01 OF 05

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FIRE SYSTEM ANNUNCIATOR R	ESPONSE	FS-03-10	FS-03-10



B/U ES XFMR TRBL

INDICATED CONDITION: BACKUP ES TRANSFORMER DELUGE VALVE (FSV-832) LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN (FSV-831), OR CIRCUIT TROUBLE

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

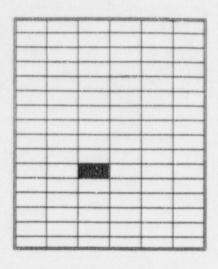
OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-22, FD-302-231 SHT 01 OF 05

SENSING ELEMENT: FSCP-4

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FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-03-11	FS-03-11



FIRE PUMP HSE SPRINKLER ACT

INDICATED CONDITION: FIRE PUMP HOUSE SPRINKLER SYSTEM ACTUATED ≥10 PSIG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

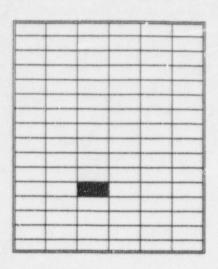
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA FOR FIRE

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-17-PS

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FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-03-12	FS-03-12



RB MAINT BLD SPRINKLER ACT

INDICATED CONDITION: FIRE SPRINKLER SYSTEM HAS ACTUATED IN THE RB MAINTENANCE SUPPORT BLDG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM: SPRINKLER SYSTEM PRESSURIZED TO >30 PSIG

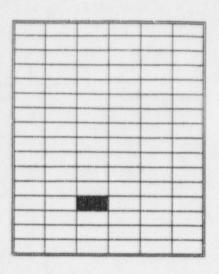
OPERATOR ACTION FOR A VALID ALARM: CHECK RBMSB FOR FIRE

DISCUSSION:

REFERENCES: SS 211-031 FS-02

SENSING ELEMENT: FS-508-PS2

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FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-03-13	FS-03-13



TURB BLDG BEL 119' SPR ACT

INDICATED CONDITION: SPRINKLER SYSTEM BELOW TURB BLDG 119' ELEVATION ACTUATED $\geq \! 10$ PSIG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

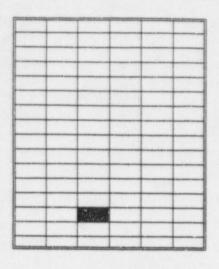
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA FOR FIRE. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-24-PS

	Programme and section of the section	-
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-03-14	FS-03-14



TURB BLDG BEL 119' SPR ACT

INDICATED CONDITION: SPRINKLER SYSTEM BELOW TURB BLDG 119' ELEVATION ACTUATED ≥10 PSIG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

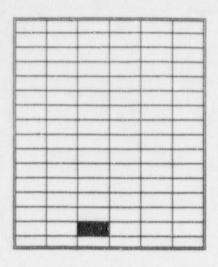
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA FOR FIRE. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-25-PS

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FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-03-15	FS-03-15



OUTAGE SUPP BLDG FIRE

INDICATED CONDITION: FIRE OR INSTRUMENT FAILURE IN OUTAGE SUPPORT BUILDING

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

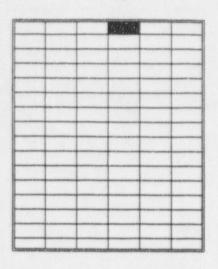
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA FOR FIRE. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 211-031 FS-076

SENSING ELEMENT: FS-472-FS

	THE PARTY PROBLEMS AND ADDRESS	THE RESIDENCE OF THE PARTY OF T	-	
FIRE SYSTEM	ANNUNCIATOR	RESPONSE	FS-04-01	FS-04-01



SENSING ELEMENT: K-4

MAIN TRANSF 3-1 FIRE

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-05

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

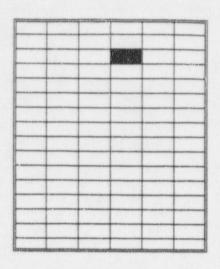
THE READ OF THE GOLD CATHER DAY AND THE PROPERTY AND THE PARTY OF THE	CONTRACTOR OF THE PARTY OF THE	DESCRIPTION OF THE PROPERTY OF	
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-04-02	FS-04-02

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MAIN TRANSF 3-2 FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)
DISCUSSION:
REFERENCES: DWG 208-031 FS-06
SENSING ELEMENT: K-4

CONTRACTOR OF THE PROPERTY OF	THE RESIDENCE OF THE PARTY OF T		-
FIRE SYSTEM ANN	UNCIATOR RESPONSE	FS-04-03	FS-04-03



MAIN TRANSF 3-3 FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

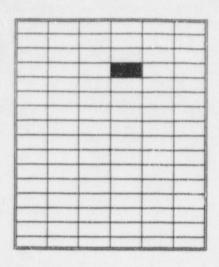
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-07

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FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-04-04	FS-04-04



UNIT TRANSF 3 FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

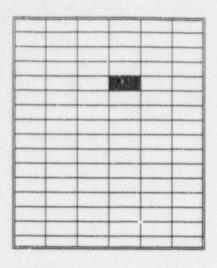
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-08

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FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-04-05	FS-04-05



STARTUP TRANSF 3 FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

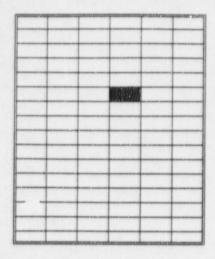
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-09

FIRE SYSTE	M ANNUNCIATOR	RESPONSE	FS-04-06	FS-04-06	
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SENSING ELEMENT: K-4

WATER CURTAIN FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

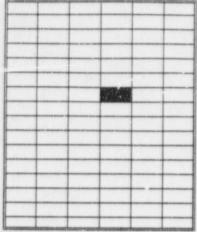
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-22

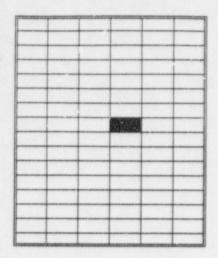
IRE S	SYSTEM	ANNUNCIATOR	RESPONSE	FS-04-07	FS-04-07
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TURB LUBE OIL SYSTEM FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)
DISCUSSION:
REFERENCES: DWG 208-031 FS-10
SENSING ELEMENT: K-4

FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-04-08	FS-04-08
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FEEDWTR PUMP CONSOLE FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

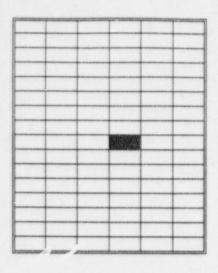
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-11

NAME AND THE PROPERTY OF STREET ASSESSMENT OF THE PARTY O	THE RESIDENCE AND ADDRESS OF THE PROPERTY OF THE RESIDENCE AND ADDRESS OF			
FIRE SYSTEM AN	NNUNCIATOR	RESPONSE	FS-04-09	FS-04-09



H2 SEAL OIL UNIT FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

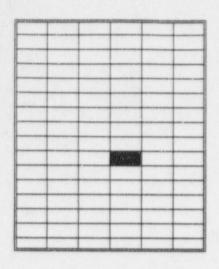
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-12

THE RESIDENCE OF THE RE		
FIRE SYSTEM ANNUNCIATOR RES	SPONSE FS-04-10	FS-04-10



B/U ES XFMR FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

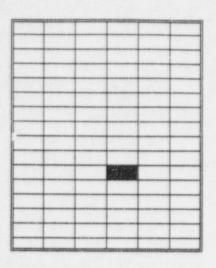
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-040 MT-140

SENSING ELEMENT: FSCP-4

PROPORTION CONTRACTOR AND ADDRESS OF THE PROPORTION OF THE PROPORT	-	T	
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-04-11	FS-04-11



TURB BLDG BEL 145' SPR ACT

INDICATED CONDITION: TURB BLDG BELOW 145' ELEVATION SPRINKLER SYSTEM ACTUATION ≥ 10 PSIG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

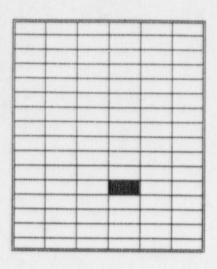
REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-26-FS

FTRE	SYSTEM	ANNUNCIATOR	DECDONCE
I ale I de la	212151	MINIMUMETATOR	KESPUNSE

FS-04-12

FS-04-12



TURB BLDG BEL 145' SPR ACT

INDICATED CONDITION: TURB BLDG BELOW 145' ELEVATION SPRINKLER SYSTEM ACTUATION ≥10 PSIG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

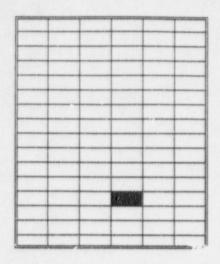
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-27-FS

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FIRE SYSTEM	ANNUNCIATOR RESPONSE	FS-04-13	FS-04-13



CONT COMP BEL 108' SPR ACT

INDICATED CONDITION: CONTROL COMPLEX BELOW 108' ELEVATION SPRINKLER SYSTEM ACTUATION ≥10 PSIG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

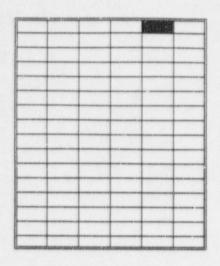
OPERATOR ACTION FOR A VALID ALARM: CHECK INDICATED AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-33-FS

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FIRE SYSTEM	ANNUNCIATOR	RESPONSE	FS-05-01	FS-05-01



CHARCOAL FLTR AHFL-1 TRBL

INDICATED CONDITION: PURGE EXHAUST CHARCOAL FILTER DELUGE SYSTEM LOSS OF POWER, ISOLATION VALVE NOT OPEN, OR CIRCUIT TROUBLE

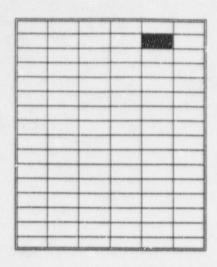
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-24, FS-13

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FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-05-02	FS-05-02



CHARCOAL FLTR AHFL-2A TRBL

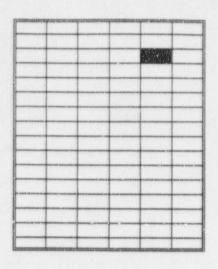
VALVE NOT OPEN, OR CIRCUIT TROUBLE
H WILL VERIFY ALARM:
ID ALARM: INVESTIGATE AREA FOR TAMPERING

INDICATED CONDITION: AUX BLDG MAIN EXHAUST CHARCOAL FILTER DELUGE SYSTEM

DISCUSSION:

REFERENCES: DWG 208-031 FS-25, FS-14

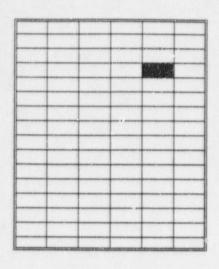
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FIRE SYSTEM ANNUNCIATOR	R RESPONSE	FS-05-03	FS-05-03



CHARCOAL FLTR AHFL-2B TRBL

INDICATED CONDITION: AUX BLDG MAIN EXHAUST CHARCOAL FILTER DELUGE SYSTEM LOSS OF POWER, ISOLATION VALVE NOT OPEN, OR CIRCUIT TROUBLE
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING
DISCUSSION:
REFERENCES: DWG 208-031 FS-15
SENSING FLEMENT: K-2 K-5

	TO PERSONAL PROPERTY OF THE PERSONAL PROPERTY	-	PARTICULAR DE LA COMPANION DE
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-05-04	FS-05-04



CHARCOAL FLTR AHFL-2C TRBL

INDICATED CONDITION: AUX BLDG MAIN EXHAUST CHARCOAL FILTER DELUGE SYSTEM LOSS OF POWER, ISOLATION VALVE NOT OPEN, OR CIRCUIT TROUBLE

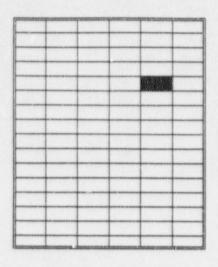
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-16

meaning.	A THE RANGE OF THE PARTY OF THE	THE REAL PROPERTY AND ADDRESS OF THE PARTY.	Market and the second s	CHECKER CONTRACTOR AND ADDRESS OF THE PARTY	THE RESIDENCE OF THE PROPERTY OF THE PARTY O	
	FIRE S	SYSTEM	ANNUNCIATOR	RESPONSE	FS-05-05	FS-05-05



CHARCOAL FLTR AHFL-2D TRBL

INDICATED CONDITION: AUX BLDG MAIN EXHAUST CHARCOAL FILTER DELUGE SYSTEM LOSS OF POWER, ISOLATION VALVE NOT OPEN, OR CIRCUIT TROUBLE

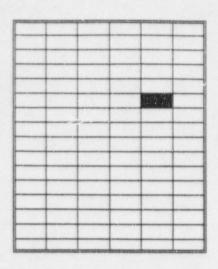
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-17

THE RESIDENCE OF THE PROPERTY		NA PERSONAL DES PROPRIO DE LA CONTRACTA CONTRA	
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-05-06	FS-05-06



CHARCOAL FLTR AHFL-4A TRBL

INDICATED CONDITION: CTRL COMPLEX EMERGENCY CHARCOAL FILTER DELUGE SYSTEM LOSS OF POWER, ISOLATION VALVE NOT OPEN, OR CIRCUIT TROUBLE

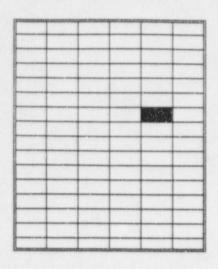
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-18

THE RESIDENCE OF THE PARTY OF T	THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PE	Complete Commence of the Comme	
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-05-07	FS-05-07



CHARCOAL FLTR AHFL-4B TRB!

INDICATED CONDITION: CTRL COMPLEX EMERGENCY CHARCOAL FILTER DELUGE SYSTEM LOSS OF POWER, ISOLATION VALVE NOT OPEN, OR CIRCUIT TROUBLE

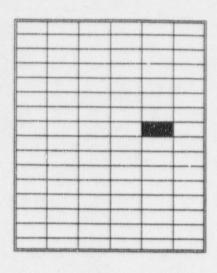
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-19

A RESIDENCE OF THE ENGINEER OF THE PROPERTY OF			
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-05-08	FS-05-08



CHARCOAL FLTR AHFL-15 TRBL

INDICATED CONDITION: NUCLEAR SAMPLE ROOM CHARCOAL FILTER DELUGE SYSTEM LOSS OF POWER, ISOLATION VALVE NOT OPEN, OR CIRCUIT TROUBLE

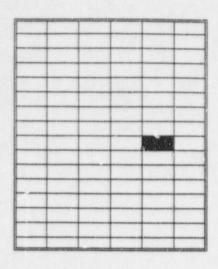
REDUNDANT INDICATION WHICH WILL VER'FY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING

DISCUSSION:

REFERENCES: DWG 208-031 FS-20

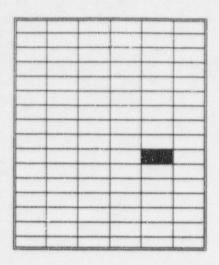
THE REAL PROPERTY OF THE PARTY	The same of the sa	PROTECTION OF THE PROPERTY OF THE PARTY OF T	the property of the second	
FIRE SYSTEM	ANNUNCIATOR	RESPONSE	FS-05-09	FS-05-09



ADMIN BLDG WAREHOUSE FIRE

INDICATED CONDITION: FIRE OR INSTRUMENT FAILURE IN WAREHOUSE OR ADMIN BLDG
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA
DISCUSSION:
REFERENCES:
SENSING ELEMENT:

The same of the sa	- man and a second second second second second	Control or second	OF THE RESIDENCE PROPERTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY
FIRE SYSTEM ANNUNC	TOWSE	PS-05-10	FS-05-10
THE SECRETARIAN ASSOCIATION OF STREET AND ADDRESS OF THE PARTY OF THE	The same of the sa		



OFFICE BLDG
TROUBLE/FIRE

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA

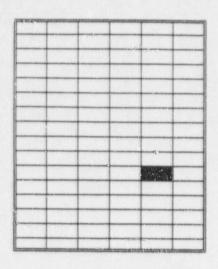
DISCUSSION:

REFERENCES: DWG 208-031 FS-21

INDICATED CONDITION: RUSTY BUILDING FIRE OR INSTRUMENT FAILURE

SENSING ELEMENT: ZONE 1-3 ALARM

-		The second second	Applications in the second sec	THE RESIDENCE AND ADDRESS OF THE PARTY AND ADD		
	FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-05-11	FS-05-11



CONTROL BLDG
TROUBLE/FIRE

INDICATED CONDITION: FIRE OR INSTRUMENT FAILURE IN CONTROL BLDG

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

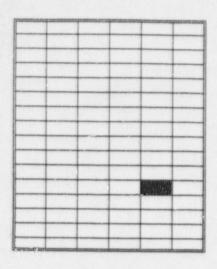
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: ZONE 4-11 ALARM

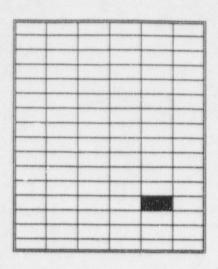
	PARTICIPATE CONTRACTOR OF THE PARTICIPATE OF THE PA	T
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-05-12	FS-05-12



SWITCH GEAR RM TROUBLE/FIRE

INDICATED CONDITION: FIRE OR INSTRUMENT FAILURE IN SWITCHGEAR ROOM
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)
DISCUSSION:
REFERENCES: DWG 208-031 FS-21
SENSING ELEMENT: ZONE 12-13 ALARM

The second secon	CONTRACTOR OF STREET, AND ADDRESS AND ADDRESS OF STREET, COMPARED AND ADDRESS OF STREET, COMPA	A STATE OF THE PARTY OF THE PAR	
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-05-13	FS-05-13



FIRE PROT

INDICATED CONDITION: FIRE PROTECTION TROUBLE PLANT OR OFFICE AREA CAB

REDUNDANT INDICATION WHICH WILL VERIFY ALARM: ALARM PANELS LOCATED ON 124' ELEV. CONTROL COMPLEX AND 1st FLOOR OF RUSTY BLDG IN TELEPHONE TERMINATION ROOM

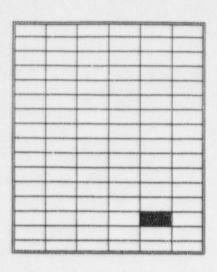
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA

DISCUSSION: THIS ALARM MAY COME IN WHEN THE HALON PROTECTION SYSTEM IS PLACED IN "TEST"

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: PLANT AREA CAB, OFFICE AREA CAB

The State of the Association of Association States and Association and Associa	THE RESERVE OF THE PARTY OF THE	THE RESERVE OF THE PERSON NAMED IN COLUMN 1	management of the second secon	Delica Challes in the contract of the contract
FIRE SYSTEM	ANNUNCIATOR	RESPONSE	FS-05-14	FS-05-14



EMER DSL GEN ROOM TROUBLE

INDICATED CONDITION: LOSS OF POWER OR CIRCUIT FAILURE

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

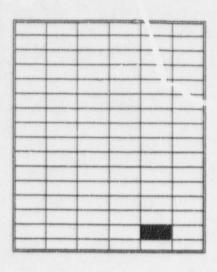
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA

DISCUSSION:

REFERENCES: DWG 208-031 FS-23

SENSING ELEMENT: OR, RSR, TSR

	And the party of t	NAMES AND ADDRESS OF THE PARTY
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-05-15	FS-05-15



ROOM FIRE

INDICATED CONDITION: ONE OF TWENTY SENSORS HAS ACTUATED. FSV-101 SHOULD BE OPEN.

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

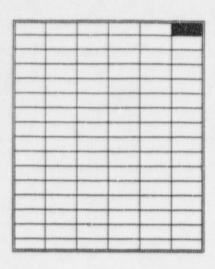
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA

DISCUSSION:

REFERENCES: DWG 208-031 FS-23

SENSING ELEMENT: OR

The state of the s	THE CONTRACT AND ADDRESS OF THE PARTY OF THE	В гороння в драговичений в драговичений при в при	
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-06-01	FS-06-01



CHARCOAL FLTR AHFL-1 FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

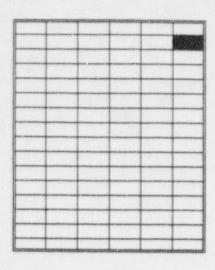
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-24, FS-13

SENSING ELEMENT: K-4

	A C THE RESIDENCE AND PROPERTY OF THE PROPERTY	
FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-06-02	FS-06-02



CHARCOAL FLTR AHFL-2A FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OF ENED LOCALLY

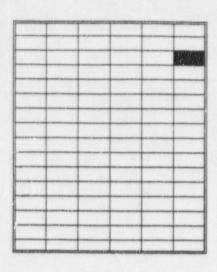
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-25, FS-14

	THE THE PROPERTY WHEN PROPERTY WAS AND ADDRESS OF THE PARTY OF THE PAR	AND THE RESIDENCE OF THE PARTY	
FIRE SYSTEM ANNUNCIAT	OR RESPONSE	FS-06-03	FS-06-03



CHARCOAL FLTR AHFL-2B FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

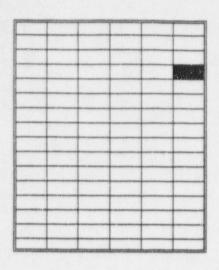
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-15

SENSING ELEMENT: K-4

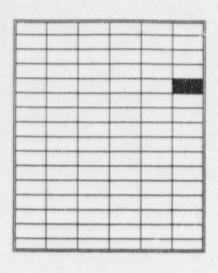
The state of the s	AND DESCRIPTION OF THE PARTY AND PARTY.		
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-06-04	FS-06-04



CHARCOAL FLTR AHFL-2C FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY					
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:					
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)					
DISCUSSION:					
REFERENCES: DWG 208-031 FS-16					
SENSING ELEMENT: K-4					

The state of the s	THE AND INCOMES AND ADDRESS OF THE PARTY OF	CONTRACTOR OF THE PROPERTY ! PROPERTY OF THE P
FIRE SYSTEM ANNUNCIATOR RESE	PONSE FS-06-05	FS-06-05



SENSING ELEMENT: K-4

CHARCOAL FLTR AHFL-2D FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

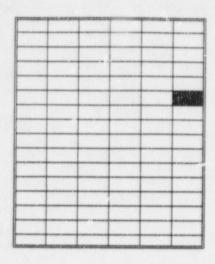
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DwG 208-031 FS-17

FIRE SYSTEM ANNUNCIATOR RESPONSE FS-06-06 FS-06-06



CHARCOAL FLTR AHFL-4A FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

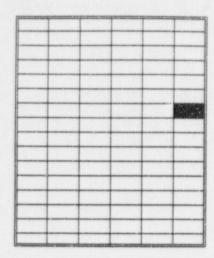
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA, REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-18

		FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-06-07	FS-06-07
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CHARCOAL FLTR AHFL-4B FIRE

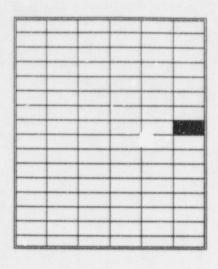
INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-19

MARKAGANIAN STATES AND STATES OF THE STATES	The later with the contract of	A PRODUCTION AND ADDRESS AND A		
FIRE SYSTEM	ANNUNCIATOR	RESPONSE	FS-06-08	FS-06-08



CHARCOAL FLTR AHFL-15 FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

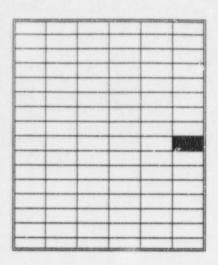
REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-20

THE RESIDENCE OF THE PROPERTY	AND THE PARTY OF THE PARTY BETTER BY THE PARTY AND THE PARTY OF THE PA		
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-06-09	FS-06-09



TSC

INDICATED CONDITION: ALARM AT PYROTRONICS PANEL

KEDUNDANT INDICATION WHICH WILL VERIFY ALARM:

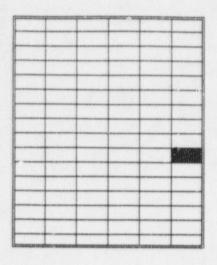
OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE TSC FIRE SYSTEM

DISCUSSION:

REFERENCES: DWG 209-031 FS-39

SENSING ELEMENT: TSC FIRE PROTECTION CONTROL PANEL

	FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-06-10	FS-06-10
-		And the same of th	



TSC

INDICATED CONDITION: FIRE OR INSTRUMENT FAILURE IN TSC

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

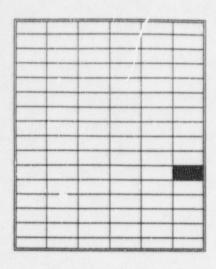
OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE TSC AREA

DISCUSSION:

REFERENCES: DWG 209-031 FS-39

SENSING ELEMENT: TSC FIRE PROTECTION CONTROL PANEL

FIRE SYSTEM ANNUNCIATOR RESPONSE	FS-06-11	FS-06-11



TSC FILTER AHFL-20 TROUBLE

INDICATED CONDITION: ALARM AT LOCAL PANEL

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

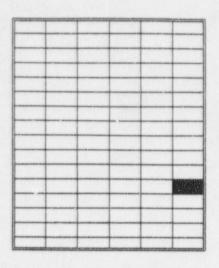
OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE TSC FILTER ROOM

DISCUSSION:

REFERENCES: DWG 209-031 FS-39

SENSING ELEMENT: TSC FIRE PROTECTION CONTROL PANEL

				THE CHIEF CONTRACTOR IN CONTRACTOR CONTRACTO	the Associate street in commence to the street of the stre	A PRINCE MAN IN THE CONTRACT OF THE PARTY OF
F	IRE S	SYSTEM	ANNUNCIATOR	RESPONSE	FS-06-12	FS-06-12



TSC FILTER AHFL-20 FIRE

INDICATED CONDITION: FIRE OR INSTRUMENT FAILURE IN AHFL-20

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

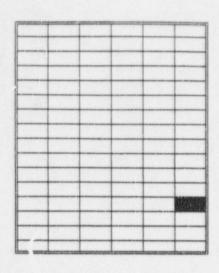
OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE TSC FILTER ROOM

DISCUSSION:

REFERENCES: 209-031 FS-39

SENSING ELEMENT: TSC FIRE PROTECTION CONTROL PANEL

	The first contract the company of the same of the contract of		
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-06-13	FS-06-13



RECORD STORE VAULT FIRE

INDICATED CONDITION: WATER FLOW INTO RECORD VAULT SPRINKLER SYSTEM

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

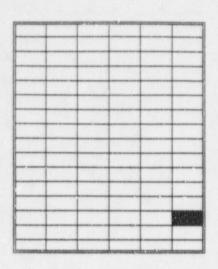
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA FOR FIRE. NOTIFY ADMINISTRATIVE SUPERVISOR.

DISCUSSION:

REFERENCES: DWG 208-031 FS-21

SENSING ELEMENT: FS-70-FI

Annual Control of the Control of	A NAME OF THE PARTY WATER AND PARTY AND PARTY WATER ADDRESS OF THE PARTY AND PARTY.		
FIRE SYSTEM ANNUNCIATOR	RESPONSE	FS-06-14	FS-06-14



CONT COMPLEX FIRE

INDICATED CONDITION: DELUGE VALVE SHOULD BE OPEN, OR HAS BEEN OPENED LOCALLY

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

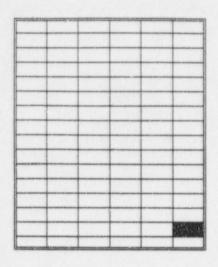
OPERATOR ACTION FOR A VALID ALARM: INSPECT AREA. REFER TO AP-880 (FP)

DISCUSSION:

REFERENCES: DWG 208-031 FS-24

SENSING ELEMENT: K-4

	FIRE	SYSTEM	ANNUNCIATOR	RESPONSE	FS-06-15	FS-06-15
NATURE VALUE OF THE	STATE OF THE PERSON NAMED IN		THE STREET PRINCIPLE AND ADDRESS OF THE PARTY OF THE PART	A SECURICATE DATE OF THE ARTHUR PROPERTY AND A SECURICATION OF THE PARTY AND A SECURICATION OF	DESCRIPTION OF THE PARTY AND PROPERTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE PARTY	MAIN THE WARRANCE OF THE PARTY



CONT COMPLEX FIRE SYS TRBL

INDICATED CONDITION: LOSS OF POWER TO CIRCUIT, ISOLATION VALVE NOT OPEN, OR CIRCUIT TROUBLE

REDUNDANT INDICATION WHICH WILL VERIFY ALARM:

OPERATOR ACTION FOR A VALID ALARM: INVESTIGATE AREA FOR TAMPERING. INVESTIGATE LOSS OF CONTINUITY IN HALON SYSTEM FIRING CIRCUIT.

DISCUSSION:

REFERENCES: DWG 208-031 FS-24

SENSING ELEMENT: K-5, K-2

PROCEDURE DEVELOPMENT AND REVISION RECORD

rocedure:	AR0801	New Rev:	12	PRR#: 16366
itle:	FSA ANNUNCIATO	RESPONSE		
MINOR	CHANGES			
Minor Charles following	anges are included, ong corrections are inc	heck the applicable boo corporated throughout:	x(es) and pro	ovide a list of affected steps.
	_ Sentence Structu	re		Redundant words or phrases
	Punctuation			_ Abbreviations
	_ Capitalization			Obviously incorrect units of measure
	_ Spelling			_ Inadvertently omitted symbols (#, %, etc.)
		angos: position titles, s, or telephone numbers		Obvious step numbering discrepancies
		s, or receptione manipular		_ Format
			Changing i	nformation that is obviously incorrect and correctly elsewhere
			Misplaced tolerances	decimals that are neither setpoint values nor
				to a procedure when an approved procedure the place of another procedure
			steps were	ching points when it is clear the branching originally intended but were overlooked or stated due to step number changes
-			Adding cla	rifying information such as NOTES and CAUTIONS

Adding words to clarify steps, NOTES, or CAUTIONS which clearly do not change the methodology or intent of the steps

PROCEDURE DEVELOPMENT AND PEVISION RECORD

rocedure:	Al	R0801	New Rev:	12		PRR#: .6366
itle:	F	SA ANNUNCIATOR RES	PONSE			
MINOR	CH	ANGES				
f Minor Ch The follow	nang ing c	es are included, check to corrections are incorporate	the applicable borrated throughout:	(es) and provide	eal	list of affected steps.
	-	Sentence Structure			_	Redundant words or phrases
	-	Punctuation				Abbreviations
	-	Capitalization			-	Obviously incorrect units of measure
	-	Spelling			-	Inadvertently omitted symbols (#, %, etc.)
	X	Organizational Changes department names, or te			-	Obvious step numbering discrepancies
					X	Format
ne followir pecific cha	ng co	orrections are incorpora affects a large number	ated in the step(s) of steps.	Correcting equ	ipm	hout" is used in lieu of Step# if a
he followir pecific cha	ng co	orrections are incorpora affects a large number	ated in the step(s) of steps.	Correcting equ	ipm	
he followir pecific cha	ng co	orrections are incorpora affects a large number	ated in the step(s) of steps.	Correcting equivith field labels	ipm s or	ent nomenclature that does not agree balance of procedure
he followir	ng co	affects a large number	ated in the step(s) of steps.	Correcting equivith field labels Changing inforreferenced corr	ipm s or mat	ent nomenclature that does not agree balance of procedure
he followir	ng cc	affects a large number	ated in the step(s) of steps.	Correcting equivith field labels Changing inforreferenced correferenced corrections Misplaced decitolerances	mat recti	ent nomenciature that does not agree balance of procedure
he followir	ng cc	orrections are incorpora	ated in the step(s) of steps.	Correcting equivith field labels Changing inforreferenced correferenced correlations Misplaced decitolerances Reference to a has taken the p	material problems of pipers	tion that is obviously incorrect and ly elsewhere is that are neither setpoint values nor

Adding words to clarify steps, NOTES, or CAUTIONS which clearly do not change the methodology or intent of the steps

PROCEDURE DEVELOPMENT AND REVISION RECORD

Procedure: AR0801

New Rev:

12

PRR#:

16366

Title:

FSA ANNUNCIATOR RESPONSE

CHANGE OF INTENT, CANCELLATION, OR NEW PROCEDURE

Changes are incorporated for the reasons provided. "Throughout" is used in lieu of Step # if a specific change affects a large number of steps. For new or cancelled procedures the reason is provided.

Windows FS-01-13 & FS-01-14

Changed nomenclature in Annunciator Windows from FIRE PUMP 3B to FSP-1 as per DCN 98-278 & attached SA/USQD 98-529

Windows FS-02-01, FS--02-02. FS-02-03, FS-02-04, FS-02-05, FS-02-06, & FS-02-07

Changed nomenciature in Annunciator Windows from FIRE PUMP 3A to FSP-2A as per DCN 98-278 & attached SA/USQD 98-529

Windows FS-02-09, FS-02-10, FS-02-11, FS-02-12, FS-02-13, FS-02-14, & FS-02-15

Changed nomenclature in Annunciator Windows from FIRE PUMP 3C to FSP-2B as per DCN 98-278 & attached SA/USQD 98-529