

1997 Human Factors Information System Report for Plant Docket 389

Combined IR/ER/LER Report
Docket: 50-389 ST LUCIE 2

Total Number of Hits in Date Range: 227
From 01/01/1997 to 12/31/1997
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 5			
Percent of total: 2.2			
55-Communication Eq	D-Emergency Plannin	D-Emergency Drill	50-389/1997003
	D-Emergency Plannin		
53-Communication LT	D-Emergency Plannin	D-Emergency Drill	50-389/1997003
	D-Emergency Plannin		
54-No communication	W-Work Control / Sc	M-Maint / Repair	50-389/1997004
	W-Work Control / Sc		
53-Communication LT	E-Electrical	T-Testing	50-389/1997015
	E-Electrical		
53-Communication LT	E-Electrical	T-Testing	50-389/1997015
	E-Electrical		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 3			
Percent of total: 1.32			
53-Communication LT	O-Operations	O-Control Room Ops	50-389/199700300
53-Communication LT	O-Operations	T-Testing	50-389/199700300
53-Communication LT	I-Instrumentation &	M-Maint / Repair	50-389/199700500

Human-System Interface and Environm IR

Number of items: 12
Percent of total: 5.29

65-Information Cont	C-Chemistry	B-Bal of Plant Ops	50-389/1997001
61-Labels LTA	C-Chemistry	B-Bal of Plant Ops	50-389/1997001
61-Labels LTA	C-Chemistry	B-Bal of Plant Ops	50-389/1997001
61-Labels LTA	C-Chemistry	B-Bal of Plant Ops	50-389/1997001
61-Labels LTA	C-Chemistry	B-Bal of Plant Ops	50-389/1997001
65-Information Cont	Z-Other	B-Bal of Plant Ops	50-389/1997001
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-389/1997001
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-389/1997001
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-389/1997003
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-389/1997003
67-Function LTA (ac	I-Instrumentation &	C-Calibration	50-389/1997011
75-Work area LTA	T-Training	Z-Other	50-389/1997013

Human-System Interface and Environm ER

Number of items: 0
Percent of total: 0

Human-System Interface and Environm LER

Number of items: 0
Percent of total: 0

Management and Supervision IR

Number of items: 29
Percent of total: 12.78

42-No action planne	O-Operations	U-Unknown	50-389/1996020
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Details	Department	Work Type	Docket/Report
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Management and Supervision IR

Number of items: 29

Percent of Total: 12.78

40-Individual Corre	C-Chemistry	V-Troubleshooting	50-389/1997001
48-Audits or proble	Q-QA/QC	Z-Other	50-389/1997001
40-Individual Corre	C-Chemistry	M-Maint / Repair	50-389/1997001
44-Corrective Actio	O-Operations	Z-Other	50-389/1997001
44-Corrective Actio	G-Engineering	Z-Other	50-389/1997001
33-Management expec	B-Plant Management	M-Maint / Repair	50-389/1997001
47-Root Cause LTA	G-Engineering	G-Design	50-389/1997003
36-Scheduling and p	D-Emergency Plannin	A-Administrative	50-389/1997003
41-Action not begun	D-Emergency Plannin	D-Emergency Drill	50-389/1997003
44-Corrective Actio	O-Operations	M-Maint / Repair	50-389/1997004
34-Perceived pressu	O-Operations	M-Maint / Repair	50-389/1997006
41-Action not begun	G-Engineering	G-Design	50-389/1997006
43-Operating Experi	G-Engineering	G-Design	50-389/1997006
44-Corrective Actio	B-Plant Management	A-Administrative	50-389/1997008
40-Individual Corre	G-Engineering	Z-Other	50-389/1997009
40-Individual Corre	I-Instrumentation &	Z-Other	50-389/1997010
41-Action not begun	G-Engineering	Z-Other	50-389/1997010
41-Action not begun	G-Engineering	Z-Other	50-389/1997010
48-Audits or proble	G-Engineering	Z-Other	50-389/1997010
40-Individual Corre	G-Engineering	Z-Other	50-389/1997010
41-Action not begun	G-Engineering	Z-Other	50-389/1997010
40-Individual Corre	G-Engineering	A-Administrative	50-389/1997011
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-389/1997011
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-389/1997011
32-Supervision / co	W-Work Control / Sc	C-Calibration	50-389/1997011
40-Individual Corre	I-Instrumentation &	Z-Other	50-389/1997011
32-Supervision / co	I-Instrumentation &	C-Calibration	50-389/1997011
33-Management expec	T-Training	Z-Other	50-389/1997013

Management and Supervision ER

Number of items: 0
Percent of total: 0

Management and Supervision LER

Number of items: 0
Percent of total: 0

Organizational Issues IR

Number of items: 9
Percent of total: 3.96

28-Frequent use of	O-Operations	O-Control Room Ops	50-389/1997003
28-Frequent use of	O-Operations	O-Control Room Ops	50-389/1997004
26-OT controls / sc	O-Operations	O-Control Room Ops	50-389/1997004
21-Staffing LTA	O-Operations	M-Maint / Repair	50-389/1997006
21-Staffing LTA	O-Operations	Q-Fire Protection	50-389/1997006
21-Staffing LTA	P-Procedure Writers	P-Procedure Dev	50-389/1997010
26-OT controls / sc	O-Operations	B-Bal of Plant Ops	50-389/1997011
27-Excessive hours	O-Operations	O-Control Room Ops	50-389/1997011
26-OT controls / sc	G-Engineering	G-Design	50-389/1997011

Organizational Issues ER

Number of items: 0
Percent of total: 0

Organizational Issues LER

Number of items: 0
Percent of total: 0

Procedures and Reference Document IR

Number of items: 39
Percent of total: 17.18

12-Procedure techni	G-Engineering	G-Design	50-389/1996201
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Procedures and Reference Document IR

Number of items: 39
Percent of Total: 17.18

12-Procedure techni	G-Engineering	G-Design	50-389/1996201
12-Procedure techni	G-Engineering	G-Design	50-389/1996201
12-Procedure techni	G-Engineering	G-Design	50-389/1996201
12-Procedure techni	G-Engineering	G-Design	50-389/1997001
12-Procedure techni	G-Engineering	G-Design	50-389/1997001

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12-Procedure techni	G-Engineering	G-Design	50-389/1997001
12-Procedure techni	G-Engineering	G-Design	50-389/1997001
11-No procedure / r	G-Engineering	G-Design	50-389/1997001
12-Procedure techni	G-Engineering	G-Design	50-389/1997001
12-Procedure techni	G-Engineering	G-Design	50-389/1997001
12-Procedure techni	G-Engineering	G-Design	50-389/1997001
12-Procedure techni	G-Engineering	G-Design	50-389/1997001
12-Procedure techni	G-Engineering	G-Design	50-389/1997001
11-No procedure / r	G-Engineering	G-Design	50-389/1997001
11-No procedure / r	G-Engineering	G-Design	50-389/1997001
12-Procedure techni	G-Engineering	G-Design	50-389/1997003
12-Procedure techni	G-Engineering	G-Design	50-389/1997003
12-Procedure techni	G-Engineering	T-Testing	50-389/1997004
12-Procedure techni	G-Engineering	G-Design	50-389/1997006
11-No procedure / r	G-Engineering	G-Design	50-389/1997006
12-Procedure techni	G-Engineering	G-Design	50-389/1997006
12-Procedure techni	G-Engineering	G-Design	50-389/1997009
11-No procedure / r	G-Engineering	G-Design	50-389/1997010
12-Procedure techni	G-Engineering	G-Design	50-389/1997010
12-Procedure techni	G-Engineering	G-Design	50-389/1997011
12-Procedure techni	G-Engineering	G-Design	50-389/1997011
12-Procedure techni	G-Engineering	G-Design	50-389/1997011
12-Procedure techni	T-Training	Z-Other	50-389/1997011
12-Procedure techni	T-Training	Z-Other	50-389/1997011
13-Procedure has hu	G-Engineering	G-Design	50-389/1997011
11-No procedure / r	G-Engineering	G-Design	50-389/1997011
13-Procedure has hu	G-Engineering	G-Design	50-389/1997013
11-No procedure / r	G-Engineering	G-Design	50-389/1997013
12-Procedure techni	G-Engineering	P-Procedure Dev	50-389/1997013
12-Procedure techni	G-Engineering	G-Design	50-389/1997015
12-Procedure techni	G-Engineering	G-Design	50-389/1997015
12-Procedure techni	G-Engineering	G-Design	50-389/1997300
13-Procedure has hu	G-Engineering	G-Design	50-389/1997301

Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

Procedures and Reference Document LER

Number of items: 3

Percent of total: 1.32

13-Procedure has hu	I-Instrumentation & M-Maint / Repair	50-389/199700500
13-Procedure has hu	E-Electrical A-Administrative	50-335/199700600
13-Procedure has hu	E-Electrical T-Testing	50-335/199700600

Training IR

Number of items: 19

Percent of total: 8.37

03-Training process H-Health Physics U-Unknown 50-389/1996020

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Details	Department	Work Type	Docket/Report
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Training IR

Number of items: 19

Percent of Total: 8.37

05-Individual knowl	O-Operations	O-Control Room Ops	50-389/1996201
02-Training LTA	O-Operations	B-Bal of Plant Ops	50-389/1997003
02-Training LTA	T-Training	M-Maint / Repair	50-389/1997004
01-No Training	O-Operations	O-Control Room Ops	50-389/1997004
02-Training LTA	T-Training	K-Housekeeping	50-389/1997004
01-No Training	T-Training	F-Modification	50-389/1997005
05-Individual knowl	Q-QA/QC	M-Maint / Repair	50-389/1997005
02-Training LTA	T-Training	M-Maint / Repair	50-389/1997006
05-Individual knowl	C-Chemistry	Z-Other	50-389/1997006
02-Training LTA	T-Training	M-Maint / Repair	50-389/1997010
03-Training process	T-Training	A-Administrative	50-389/1997011
05-Individual knowl	T-Training	Z-Other	50-389/1997011
04-Task Qualificati	T-Training	Z-Other	50-389/1997011
03-Training process	T-Training	Z-Other	50-389/1997011
05-Individual knowl	I-Instrumentation & C-Calibration	50-389/1997011	
03-Training process	T-Training	Q-Fire Protection	50-389/1997011
06-Simulator fideli	T-Training	Z-Other	50-389/1997300
02-Training LTA	T-Training	Z-Other	50-389/1997301

Training ER
 Number of items: 0
 Percent of total: 0

Training LER
 Number of items: 0
 Percent of total: 0

Work Factors IR
 Number of items: 105
 Percent of total: 46.26

87-Non-conservati	O-Operations	U-Unknown	50-389/1996020
87-Non-conservati	G-Engineering	U-Unknown	50-389/1996020
81-Work Package Qua	G-Engineering	G-Design	50-389/1996201
83-Work practice or	O-Operations	O-Control Room Ops	50-389/1996201
84-Non-conserv. dec	C-Chemistry	Z-Other	50-389/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
83-Work practice or	I-Instrumentation &	C-Calibration	50-389/1997001
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-389/1997001
83-Work practice or	T-Training	Z-Other	50-389/1997001
93-Awareness or att	G-Engineering	G-Design	50-389/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
83-Work practice or	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
83-Work practice or	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-389/1997001
86-Work untimely	G-Engineering	R-Refueling	50-389/1997001

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Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 105			
Percent of Total: 46.26			
83-Work practice or	G-Engineering	G-Design	50-389/1997001
83-Work practice or	G-Engineering	A-Administrative	50-389/1997001
83-Work practice or	H-Health Physics	A-Administrative	50-389/1997001
83-Work practice or	Z-Other	A-Administrative	50-389/1997001
86-Work untimely	I-Instrumentation &	C-Calibration	50-389/1997003
81-Work Package Qua	G-Engineering	G-Design	50-389/1997003
88-Tag outs LTA	E-Electrical	M-Maint / Repair	50-389/1997004
83-Work practice or	W-Work Control / Sc	M-Maint / Repair	50-389/1997004
83-Work practice or	E-Electrical	M-Maint / Repair	50-389/1997004
85-Team interaction	E-Electrical	M-Maint / Repair	50-389/1997004
88-Tag outs LTA	E-Electrical	M-Maint / Repair	50-389/1997004
83-Work practice or	E-Electrical	M-Maint / Repair	50-389/1997004
83-Work practice or	G-Engineering	M-Maint / Repair	50-389/1997004
88-Tag outs LTA	E-Electrical	M-Maint / Repair	50-389/1997004
91-Verification / p	O-Operations	M-Maint / Repair	50-389/1997004
88-Tag outs LTA	O-Operations	B-Bal of Plant Ops	50-389/1997004
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-389/1997004
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-389/1997004
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-389/1997005
89-Housekeeping LTA	U-Unknown	M-Maint / Repair	50-389/1997005
94-Log-keeping or r	Z-Other	M-Maint / Repair	50-389/1997005
93-Awareness or att	O-Operations	O-Control Room Ops	50-389/1997005
83-Work practice or	O-Operations	O-Control Room Ops	50-389/1997005
93-Awareness or att	O-Operations	O-Control Room Ops	50-389/1997005
84-Non-conserv. dec	G-Engineering	F-Modification	50-389/1997005
83-Work practice or	B-Plant Management	A-Administrative	50-389/1997005
83-Work practice or	G-Engineering	A-Administrative	50-389/1997005
92-Self check LTA	O-Operations	B-Bal of Plant Ops	50-389/1997005
81-Work Package Qua	G-Engineering	F-Modification	50-389/1997005
81-Work Package Qua	G-Engineering	F-Modification	50-389/1997005
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-389/1997006
93-Awareness or att	O-Operations	O-Control Room Ops	50-389/1997006
93-Awareness or att	O-Operations	O-Control Room Ops	50-389/1997006
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-389/1997006
92-Self check LTA	E-Electrical	M-Maint / Repair	50-389/1997006
91-Verification / p	E-Electrical	M-Maint / Repair	50-389/1997006
84-Non-conserv. dec	M-Mechanical	F-Modification	50-389/1997006

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83-Work practice or Q-QA/QC	F-Modification	50-389/1997006
81-Work Package Qua W-Work Control / Sc	F-Modification	50-389/1997006
83-Work practice or M-Mechanical	F-Modification	50-389/1997006
83-Work practice or U-Unknown	A-Administrative	50-389/1997006
87-Non-conservati O-Operations	S-Surveillance	50-389/1997006
84-Non-conserv. dec C-Chemistry	Z-Other	50-389/1997006
83-Work practice or O-Operations	P-Procedure Dev	50-389/1997006
87-Non-conservati O-Operations	P-Procedure Dev	50-389/1997006
81-Work Package Qua G-Engineering	F-Modification	50-389/1997006
81-Work Package Qua B-Plant Management	A-Administrative	50-389/1997008
81-Work Package Qua W-Work Control / Sc	M-Maint / Repair	50-389/1997010
83-Work practice or A-Administrative Su	P-Procedure Dev	50-389/1997010
83-Work practice or P-Procedure Writers	P-Procedure Dev	50-389/1997010

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Work Factors IR			
Number of items: 105			
Percent of Total: 46.26			
84-Non-conserv. dec	O-Operations	A-Administrative	50-389/1997010
83-Work practice or	P-Procedure Writers	P-Procedure Dev	50-389/1997010
93-Awareness or att	I-Instrumentation &	C-Calibration	50-389/1997010
93-Awareness or att	M-Mechanical	H-Health Physics	50-389/1997010
83-Work practice or	M-Mechanical	M-Maint / Repair	50-389/1997010
93-Awareness or att	M-Mechanical	K-Housekeeping	50-389/1997010
83-Work practice or	O-Operations	A-Administrative	50-389/1997010
89-Housekeeping LTA	O-Operations	B-Bal of Plant Ops	50-389/1997011
84-Non-conserv. dec	O-Operations	A-Administrative	50-389/1997011
83-Work practice or	T-Training	Z-Other	50-389/1997011
84-Non-conserv. dec	T-Training	Z-Other	50-389/1997011
83-Work practice or	Q-QA/QC	M-Maint / Repair	50-389/1997011
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-389/1997011
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-389/1997011
83-Work practice or	W-Work Control / Sc	A-Administrative	50-389/1997011
83-Work practice or	Q-QA/QC	A-Administrative	50-389/1997011
83-Work practice or	I-Instrumentation &	A-Administrative	50-389/1997011
83-Work practice or	I-Instrumentation &	C-Calibration	50-389/1997011
83-Work practice or	I-Instrumentation &	A-Administrative	50-389/1997011
83-Work practice or	G-Engineering	G-Design	50-389/1997011
83-Work practice or	G-Engineering	A-Administrative	50-389/1997011
83-Work practice or	G-Engineering	G-Design	50-389/1997011
83-Work practice or	G-Engineering	G-Design	50-389/1997011
83-Work practice or	G-Engineering	A-Administrative	50-389/1997011
83-Work practice or	G-Engineering	G-Design	50-389/1997011
86-Work untimely	G-Engineering	G-Design	50-389/1997011
83-Work practice or	G-Engineering	T-Testing	50-389/1997011
86-Work untimely	O-Operations	Q-Fire Protection	50-389/1997011
81-Work Package Qua	T-Training	Z-Other	50-389/1997013
93-Awareness or att	O-Operations	Z-Other	50-389/1997013
91-Verification / p	O-Operations	Z-Other	50-389/1997013
93-Awareness or att	E-Electrical	M-Maint / Repair	50-389/1997015
83-Work practice or	E-Electrical	T-Testing	50-389/1997015
81-Work Package Qua	T-Training	Z-Other	50-389/1997301
91-Verification / p	T-Training	Z-Other	50-389/1997301

Work Factors ER
Number of items: 0
Percent of total: 0

Work Factors LER
Number of items: 3
Percent of total: 1.32

87-Non-conservati	O-Operations	O-Control Room Ops	50-389/199700300
87-Non-conservati	O-Operations	T-Testing	50-389/199700300
87-Non-conservati	I-Instrumentation &	M-Maint / Repair	50-389/199700500

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