

1998 Human Factors Information System Report for Plant Docket 311

Combined IR/ER/LER Report
Docket: 50-311 SALEM 2

Total Number of Hits in Date Range: 165
From 01/01/1998 to 12/31/1998
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 5			
Percent of total: 3.03			
55-Communication Eq	O-Operations	D-Emergency Drill	50-311/1997021
	O-Operations		
53-Communication LT	W-Work Control / Sc	M-Maint / Repair	50-311/1998003
	W-Work Control / Sc		
55-Communication Eq	D-Emergency Plannin	D-Emergency Drill	50-311/1998003
	D-Emergency Plannin		
52-Communication un	Z-Other	A-Administrative	50-311/1998005
	Z-Other		
55-Communication Eq	D-Emergency Plannin	D-Emergency Drill	50-311/1998006
	D-Emergency Plannin		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 2			
Percent of total: 1.21			
54-No communication	G-Engineering	M-Maint / Repair	50-311/199800400
	G-Engineering		
54-No communication	G-Engineering	F-Modification	50-311/199800601
	G-Engineering		
Human-System Interface and Environm IR			
Number of items: 3			
Percent of total: 1.82			
76-Postings LTA	H-Health Physics	H-Health Physics	50-311/1997021
76-Postings LTA	H-Health Physics	H-Health Physics	50-311/1997021
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-311/1998005
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: 33			
Percent of total: 20.			
40-Individual Corre	G-Engineering	Z-Other	50-311/1997021
41-Action not begun	E-Electrical	Z-Other	50-311/1998001
42-No action planne	O-Operations	Z-Other	50-311/1998001
32-Supervision / co	G-Engineering	G-Design	50-311/1998001
40-Individual Corre	G-Engineering	Z-Other	50-311/1998001
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-311/1998003
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-311/1998003

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Management and Supervision IR			
Number of items: 33			
Percent of Total: 20.			
41-Action not begun	D-Emergency Plannin	D-Emergency Drill	50-311/1998003
40-Individual Corre	G-Engineering	Z-Other	50-311/1998005

32-Supervision / co	C-Chemistry	B-Bal of Plant Ops	50-311/1998005
41-Action not begun	O-Operations	Z-Other	50-311/1998006
48-Audits or proble	O-Operations	Z-Other	50-311/1998006
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-311/1998006
40-Individual Corre	M-Mechanical	Z-Other	50-311/1998006
40-Individual Corre	G-Engineering	Z-Other	50-311/1998007
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-311/1998008
40-Individual Corre	E-Electrical	Z-Other	50-311/1998008
40-Individual Corre	E-Electrical	Z-Other	50-311/1998008
40-Individual Corre	E-Electrical	Z-Other	50-311/1998008
40-Individual Corre	E-Electrical	Z-Other	50-311/1998008
40-Individual Corre	E-Electrical	Z-Other	50-311/1998008
32-Supervision / co	G-Engineering	G-Design	50-311/1998008
33-Management expec	B-Plant Management	Z-Other	50-311/1998081
44-Corrective Actio	G-Engineering	Z-Other	50-311/1998081
32-Supervision / co	G-Engineering	Z-Other	50-311/1998081
44-Corrective Actio	G-Engineering	Z-Other	50-311/1998081
44-Corrective Actio	G-Engineering	Z-Other	50-311/1998081
44-Corrective Actio	G-Engineering	Z-Other	50-311/1998081
44-Corrective Actio	G-Engineering	Z-Other	50-311/1998081
48-Audits or proble	Q-QA/QC	Z-Other	50-311/1998081
40-Individual Corre	G-Engineering	Z-Other	50-311/1998081
44-Corrective Actio	G-Engineering	Z-Other	50-311/1998081
40-Individual Corre	G-Engineering	Z-Other	50-311/1998081

Management and Supervision ER

Number of items: 0
Percent of total: 0

Management and Supervision LER

Number of items: 5
Percent of total: 3.03

40-Individual Corre	G-Engineering	S-Surveillance	50-311/199801300
40-Individual Corre	G-Engineering	G-Design	50-272/199800401
40-Individual Corre	H-Health Physics	P-Procedure Dev	50-272/199800401
48-Audits or proble	H-Health Physics	Z-Other	50-272/199800401
32-Supervision / co	B-Plant Management	A-Administrative	50-272/199800401

Organizational Issues IR

Number of items: 7
Percent of total: 4.24

27-Excessive hours	O-Operations	O-Control Room Ops	50-311/1998001
28-Frequent use of	O-Operations	O-Control Room Ops	50-311/1998001
22-Poor Task Alloca	I-Instrumentation &	C-Calibration	50-311/1998003
21-Staffing LTA	I-Instrumentation &	M-Maint / Repair	50-311/1998003
22-Poor Task Alloca	G-Engineering	G-Design	50-311/1998081
21-Staffing LTA	O-Operations	A-Administrative	50-311/1998081
21-Staffing LTA	G-Engineering	M-Maint / Repair	50-311/1998081

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: 16
Percent of total: 9.7

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Procedures and Reference Document IR

Number of items: 16
Percent of Total: 9.7

12-Procedure techni	G-Engineering	G-Design	50-311/1997021
11-No procedure / r	H-Health Physics	H-Health Physics	50-311/1997021
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-311/1998003
14-Document develop	D-Emergency Plannin	P-Procedure Dev	50-311/1998003
11-No procedure / r	H-Health Physics	H-Health Physics	50-311/1998005
12-Procedure techni	H-Health Physics	H-Health Physics	50-311/1998005
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-311/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-311/1998006

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13-Procedure has hu	G-Engineering	G-Design	50-311/1998007
13-Procedure has hu	G-Engineering	G-Design	50-311/1998007
13-Procedure has hu	G-Engineering	G-Design	50-311/1998007
13-Procedure has hu	G-Engineering	G-Design	50-311/1998007
12-Procedure techni	G-Engineering	G-Design	50-311/1998007
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-311/1998008
12-Procedure techni	G-Engineering	G-Design	50-311/1998081
12-Procedure techni	G-Engineering	G-Design	50-311/1998081

Procedures and Reference Document ER

Number of items: 0
Percent of total: 0

Procedures and Reference Document LER

Number of items: 6
Percent of total: 3.64

11-No procedure / r	W-Work Control / Sc	M-Maint / Repair	50-311/199800300
11-No procedure / r	O-Operations	A-Administrative	50-311/199800400
13-Procedure has hu	O-Operations	T-Testing	50-311/199801100
14-Document develop	I-Instrumentation &	T-Testing	50-272/199800300
12-Procedure techni	C-Chemistry	H-Health Physics	50-272/199800401
14-Document develop	B-Plant Management	A-Administrative	50-272/199800401

Training IR

Number of items: 8
Percent of total: 4.85

02-Training LTA	T-Training	H-Health Physics	50-311/1997021
02-Training LTA	T-Training	H-Health Physics	50-311/1997021
05-Individual knowl	D-Emergency Plannin	D-Emergency Drill	50-311/1997021
05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-311/1998001
05-Individual knowl	G-Engineering	G-Design	50-311/1998004
06-Simulator fideli	T-Training	Z-Other	50-311/1998007
02-Training LTA	T-Training	Z-Other	50-311/1998008
05-Individual knowl	O-Operations	Z-Other	50-311/1998081

Training ER

Number of items: 1
Percent of total: .61

02-Training LTA	T-Training	Z-Other	50-311/1998302
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Training LER

Number of items: 3
Percent of total: 1.82

05-Individual knowl	G-Engineering	S-Surveillance	50-311/199801300
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Training LER

Number of items: 3
Percent of Total: 1.82

02-Training LTA	T-Training	S-Surveillance	50-311/199801300
02-Training LTA	E-Electrical	P-Procedure Dev	50-272/199800401

Work Factors IR

Number of items: 59
Percent of total: 35.76

88-Tag outs LTA	O-Operations	T-Testing	50-311/1997021
94-Log-keeping or r	O-Operations	T-Testing	50-311/1997021
81-Work Package Qua	G-Engineering	G-Design	50-311/1997021
85-Team interaction	H-Health Physics	M-Maint / Repair	50-311/1997021
81-Work Package Qua	Q-QA/QC	Z-Other	50-311/1997021
83-Work practice or	H-Health Physics	A-Administrative	50-311/1997021
83-Work practice or	G-Engineering	H-Health Physics	50-311/1997021
91-Verification / p	D-Emergency Plannin	D-Emergency Drill	50-311/1997021
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-311/1998001
91-Verification / p	E-Electrical	M-Maint / Repair	50-311/1998001
83-Work practice or	E-Electrical	M-Maint / Repair	50-311/1998001
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-311/1998001
83-Work practice or	M-Mechanical	A-Administrative	50-311/1998001
83-Work practice or	M-Mechanical	A-Administrative	50-311/1998001
87-Non-conservative	M-Mechanical	A-Administrative	50-311/1998001
93-Awareness or att	M-Mechanical	S-Surveillance	50-311/1998001
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-311/1998001
85-Team interaction	O-Operations	Z-Other	50-311/1998001

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83-Work practice or	M-Mechanical	M-Maint / Repair	50-311/1998001
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-311/1998003
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-311/1998003
88-Tag outs LTA	I-Instrumentation &	M-Maint / Repair	50-311/1998003
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-311/1998003
81-Work Package Qua	G-Engineering	G-Design	50-311/1998004
81-Work Package Qua	G-Engineering	G-Design	50-311/1998004
93-Awareness or att	G-Engineering	S-Surveillance	50-311/1998005
84-Non-conserv. dec	O-Operations	S-Surveillance	50-311/1998005
86-Work untimely	G-Engineering	A-Administrative	50-311/1998005
93-Awareness or att	A-Administrative Su	A-Administrative	50-311/1998005
93-Awareness or att	G-Engineering	A-Administrative	50-311/1998005
93-Awareness or att	G-Engineering	A-Administrative	50-311/1998005
93-Awareness or att	Z-Other	Z-Other	50-311/1998005
84-Non-conserv. dec	B-Plant Management	A-Administrative	50-311/1998005
86-Work untimely	O-Operations	O-Control Room Ops	50-311/1998006
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-311/1998006
88-Tag outs LTA	M-Mechanical	M-Maint / Repair	50-311/1998006
88-Tag outs LTA	M-Mechanical	M-Maint / Repair	50-311/1998006
93-Awareness or att	G-Engineering	F-Modification	50-311/1998006
93-Awareness or att	G-Engineering	F-Modification	50-311/1998006
81-Work Package Qua	G-Engineering	F-Modification	50-311/1998006
93-Awareness or att	G-Engineering	A-Administrative	50-311/1998007
81-Work Package Qua	G-Engineering	G-Design	50-311/1998007
93-Awareness or att	G-Engineering	G-Design	50-311/1998007
93-Awareness or att	G-Engineering	G-Design	50-311/1998007

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Work Factors IR			
Number of items: 59			
Percent of Total: 35.76			
93-Awareness or att	O-Operations	O-Control Room Ops	50-311/1998008
83-Work practice or	T-Training	Z-Other	50-311/1998008
85-Team interaction	P-Procedure Writers	S-Surveillance	50-311/1998008
91-Verification / p	G-Engineering	G-Design	50-311/1998008
83-Work practice or	G-Engineering	G-Design	50-311/1998008
83-Work practice or	G-Engineering	G-Design	50-311/1998008
83-Work practice or	G-Engineering	G-Design	50-311/1998008
83-Work practice or	G-Engineering	G-Design	50-311/1998008
84-Non-conserv. dec	G-Engineering	Z-Other	50-311/1998081
83-Work practice or	G-Engineering	A-Administrative	50-311/1998081
83-Work practice or	O-Operations	A-Administrative	50-311/1998081
83-Work practice or	O-Operations	A-Administrative	50-311/1998081
86-Work untimely	G-Engineering	A-Administrative	50-311/1998081
83-Work practice or	G-Engineering	A-Administrative	50-311/1998081
83-Work practice or	G-Engineering	G-Design	50-311/1998081
Work Factors ER			
Number of items: 4			
Percent of total: 2.42			
81-Work Package Qua	T-Training	Z-Other	50-311/1998302
83-Work practice or	T-Training	Z-Other	50-311/1998302
83-Work Package Qua	T-Training	Z-Other	50-311/1998302
93-Awareness or att	T-Training	Z-Other	50-311/1998302
Work Factors LER			
Number of items: 13			
Percent of total: 7.88			
87-Non-conservative	E-Electrical	A-Administrative	50-311/199600702
81-Work Package Qua	O-Operations	O-Control Room Ops	50-311/199600702
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-311/199800300
91-Verification / p	W-Work Control / Sc	M-Maint / Repair	50-311/199800300
81-Work Package Qua	G-Engineering	F-Modification	50-311/199800601
84-Non-conserv. dec	I-Instrumentation &	F-Modification	50-311/199800601
93-Awareness or att	Z-Other	Q-Fire Protection	50-311/199800900
87-Non-conservative	I-Instrumentation &	C-Calibration	50-311/199801200
83-Work practice or	W-Work Control / Sc	A-Administrative	50-311/199801300
83-Work practice or	G-Engineering	A-Administrative	50-311/199801300
83-Work practice or	G-Engineering	G-Design	50-272/199800401
83-Work practice or	M-Mechanical	P-Procedure Dev	50-272/199800900
83-Work practice or	G-Engineering	P-Procedure Dev	50-272/199801100

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[End of File for Plant Docket 311 (1998)]
