

# 1999 Human Factors Information System Report for Plant Docket 272

Combined IR/ER/LER Report  
Docket: 50-272 SALEM 1

Total Number of Hits in Date Range: 117  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 6			
Percent of total: 5.13			
53-Communication LT	O-Operations	B-Bal of Plant Ops	50-272/1999001
	O-Operations		
54-No communication	O-Operations	O-Control Room Ops	50-272/1999002
	O-Operations		
54-No communication	W-Work Control / Sc	A-Administrative	50-272/1999007
	W-Work Control / Sc		
51-Misunderstood /	D-Emergency Plannin	D-Emergency Drill	50-272/1999007
	D-Emergency Plannin		
53-Communication LT	H-Health Physics	H-Health Physics	50-272/1999008
	H-Health Physics		
53-Communication LT	D-Emergency Plannin	Z-Other	50-272/1999009
	D-Emergency Plannin		

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

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

Details	Department	Work Type	Docket/Report
Human-System Interface and Environm IR			
Number of items: 2			
Percent of total: 1.71			
71-Temperature / Hu	O-Operations	B-Bal of Plant Ops	50-272/1999008
64-Placement or loc	O-Operations	B-Bal of Plant Ops	50-272/1999008

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

Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 22			
Percent of total: 18.8			
32-Supervision / co	G-Engineering	T-Testing	50-272/1998012
40-Individual Corre	O-Operations	Z-Other	50-272/1999001
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-272/1999001
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-272/1999001
40-Individual Corre	W-Work Control / Sc	Z-Other	50-272/1999001
40-Individual Corre	G-Engineering	Z-Other	50-272/1999001
47-Root Cause LTA	G-Engineering	Z-Other	50-272/1999001
44-Corrective Actio	G-Engineering	Z-Other	50-272/1999001
32-Supervision / co	G-Engineering	Z-Other	50-272/1999001
41-Action not begun	G-Engineering	Z-Other	50-272/1999001

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Management and Supervision IR			
Number of items: 22			
Percent of Total: 18.8			
41-Action not begun	G-Engineering	Z-Other	50-272/1999001
41-Action not begun	G-Engineering	Z-Other	50-272/1999001

40-Individual Corre	E-Electrical	Z-Other	50-272/1999002
44-Corrective Actio	O-Operations	Z-Other	50-272/1999003
41-Action not begun	O-Operations	Z-Other	50-272/1999003
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-272/1999003
47-Root Cause LTA	O-Operations	Z-Other	50-272/1999004
41-Action not begun	O-Operations	Z-Other	50-272/1999007
42-No action planne	G-Engineering	Z-Other	50-272/1999008
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-272/1999009
40-Individual Corre	D-Emergency Plannin	D-Emergency Drill	50-272/1999009
48-Audits or proble	D-Emergency Plannin	D-Emergency Drill	50-272/1999009

## Management and Supervision ER

Number of items: 0  
Percent of total: 0

## Management and Supervision LER

Number of items: 2  
Percent of total: 1.71

36-Scheduling and p	W-Work Control / Sc	H-Health Physics	50-272/199900800
36-Scheduling and p	W-Work Control / Sc	H-Health Physics	50-272/199900800

## Organizational Issues IR

Number of items: 0  
Percent of total: 0

## 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: 4  
Percent of total: 3.42

13-Procedure has hu	G-Engineering	G-Design	50-272/1999001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-272/1999004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-272/1999007
11-No procedure / r	D-Emergency Plannin	D-Emergency Drill	50-272/1999009

## 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: 2.56

12-Procedure techni	O-Operations	M-Maint / Repair	50-272/199900100
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## Procedures and Reference Document LER

Number of items: 3  
Percent of Total: 2.56

13-Procedure has hu	O-Operations	S-Surveillance	50-272/199900500
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-272/199900800

## Training IR

Number of items: 5  
Percent of total: 4.27

05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-272/1999001
05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-272/1999001
05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-272/1999001
02-Training LTA	T-Training	Z-Other	50-272/1999007
05-Individual knowl	Z-Other	Z-Other	50-272/1999007

## Training ER

Number of items: 2  
Percent of total: 1.71

02-Training LTA	T-Training	Z-Other	50-272/1999301
02-Training LTA	T-Training	Z-Other	50-272/1999301

## Training LER

Number of items: 1  
 Percent of total: .85  
 02-Training LTA O-Operations M-Maint / Repair 50-272/199900100

## Work Factors IR

Number of items: 59  
 Percent of total: 50.43  
 83-Work practice or O-Operations A-Administrative 50-272/1998012  
 83-Work practice or O-Operations A-Administrative 50-272/1998012  
 93-Awareness or att O-Operations S-Surveillance 50-272/1998012  
 83-Work practice or E-Electrical T-Testing 50-272/1998012  
 93-Awareness or att T-Training Z-Other 50-272/1998301  
 93-Awareness or att T-Training Z-Other 50-272/1998301  
 84-Non-conserv. dec B-Plant Management O-Control Room Ops 50-272/1999001  
 88-Tag outs LTA O-Operations B-Bal of Plant Ops 50-272/1999001  
 85-Team interaction M-Mechanical M-Maint / Repair 50-272/1999001  
 85-Team interaction W-Work Control / Sc M-Maint / Repair 50-272/1999001  
 84-Non-conserv. dec G-Engineering Z-Other 50-272/1999001  
 84-Non-conserv. dec G-Engineering Z-Other 50-272/1999001  
 84-Non-conserv. dec G-Engineering Z-Other 50-272/1999001  
 94-Log-keeping or r O-Operations O-Control Room Ops 50-272/1999001  
 89-Housekeeping LTA U-Unknown K-Housekeeping 50-272/1999001  
 89-Housekeeping LTA U-Unknown K-Housekeeping 50-272/1999001  
 89-Housekeeping LTA U-Unknown K-Housekeeping 50-272/1999001  
 93-Awareness or att G-Engineering A-Administrative 50-272/1999001  
 93-Awareness or att G-Engineering A-Administrative 50-272/1999001  
 93-Awareness or att O-Operations S-Surveillance 50-272/1999002  
 93-Awareness or att E-Electrical M-Maint / Repair 50-272/1999002  
 91-Verification / p E-Electrical M-Maint / Repair 50-272/1999002  
 94-Log-keeping or r O-Operations V-Troubleshooting 50-272/1999002  
 84-Non-conserv. dec O-Operations Q-Fire Protection 50-272/1999002

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## Work Factors IR

Number of items: 59  
 Percent of Total: 50.43  
 83-Work practice or W-Work Control / Sc M-Maint / Repair 50-272/1999003  
 81-Work Package Qua W-Work Control / Sc M-Maint / Repair 50-272/1999003  
 81-Work Package Qua W-Work Control / Sc M-Maint / Repair 50-272/1999003  
 81-Work Package Qua W-Work Control / Sc M-Maint / Repair 50-272/1999003  
 88-Tag outs LTA O-Operations M-Maint / Repair 50-272/1999007  
 88-Tag outs LTA O-Operations M-Maint / Repair 50-272/1999007  
 83-Work practice or Z-Other Z-Other 50-272/1999007  
 85-Team interaction G-Engineering F-Modification 50-272/1999007  
 85-Team interaction E-Electrical F-Modification 50-272/1999007  
 93-Awareness or att G-Engineering A-Administrative 50-272/1999007  
 93-Awareness or att D-Emergency Plannin D-Emergency Drill 50-272/1999007  
 83-Work practice or Z-Other Z-Other 50-272/1999007  
 91-Verification / p O-Operations B-Bal of Plant Ops 50-272/1999008  
 93-Awareness or att G-Engineering M-Maint / Repair 50-272/1999008  
 93-Awareness or att G-Engineering M-Maint / Repair 50-272/1999008  
 93-Awareness or att G-Engineering M-Maint / Repair 50-272/1999008  
 83-Work practice or O-Operations O-Control Room Ops 50-272/1999008  
 93-Awareness or att O-Operations S-Surveillance 50-272/1999008  
 84-Non-conserv. dec O-Operations S-Surveillance 50-272/1999008  
 93-Awareness or att O-Operations S-Surveillance 50-272/1999008  
 93-Awareness or att O-Operations B-Bal of Plant Ops 50-272/1999008  
 84-Non-conserv. dec G-Engineering B-Bal of Plant Ops 50-272/1999008  
 93-Awareness or att Q-QA/QC Z-Other 50-272/1999008  
 84-Non-conserv. dec H-Health Physics H-Health Physics 50-272/1999008  
 93-Awareness or att Z-Other A-Administrative 50-272/1999008  
 93-Awareness or att Z-Other A-Administrative 50-272/1999008  
 93-Awareness or att Z-Other A-Administrative 50-272/1999008  
 89-Housekeeping LTA U-Unknown K-Housekeeping 50-272/1999009  
 89-Housekeeping LTA U-Unknown K-Housekeeping 50-272/1999009  
 89-Housekeeping LTA U-Unknown K-Housekeeping 50-272/1999009  
 84-Non-conserv. dec O-Operations M-Maint / Repair 50-272/1999009  
 86-Work untimely O-Operations A-Administrative 50-272/1999009  
 86-Work untimely O-Operations A-Administrative 50-272/1999009  
 86-Work untimely O-Operations A-Administrative 50-272/1999009  
 86-Work untimely O-Operations A-Administrative 50-272/1999009

## Work Factors ER

Number of items: 7  
 Percent of total: 5.98

93-Awareness or att	T-Training	Z-Other	50-272/1999301
93-Awareness or att	T-Training	Z-Other	50-272/1999301
93-Awareness or att	T-Training	Z-Other	50-272/1999301
93-Awareness or att	T-Training	Z-Other	50-272/1999301
93-Awareness or att	T-Training	Z-Other	50-272/1999301
93-Awareness or att	T-Training	Z-Other	50-272/1999301
81-Work Package Qua	T-Training	Z-Other	50-272/1999301

## Work Factors LER

Number of items: 4  
 Percent of total: 3.42

83-Work practice or	E-Electrical	M-Maint / Repair	50-272/199900200
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## Work Factors LER

Number of items: 4  
 Percent of Total: 3.42

91-Verification / p	E-Electrical	M-Maint / Repair	50-272/199900200
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-272/199900500
84-Non-conserv. dec	G-Engineering	G-Design	50-272/199901100

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**[End of File for Plant Docket 272 (1999)]**

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