

1997 Human Factors Information System Report for Plant Docket 298

Combined IR/ER/LER Report
Docket: 50-298 COOPER

Total Number of Hits in Date Range: 212
From 01/01/1997 to 12/31/1997
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 9			
Percent of total: 4.25			
54-No communication	O-Operations	T-Testing	50-298/1997005
	O-Operations		
53-Communication	LT O-Operations	T-Testing	50-298/1997005
	O-Operations		
53-Communication	LT O-Operations	A-Administrative	50-298/1997006
	O-Operations		
53-Communication	LT G-Engineering	G-Design	50-298/1997006
	G-Engineering		
53-Communication	LT O-Operations	Z-Other	50-298/1997008
	O-Operations		
52-Communication	un O-Operations	V-Troubleshooting	50-298/1997009
	O-Operations		
53-Communication	LT G-Engineering	A-Administrative	50-298/1997009
	G-Engineering		
53-Communication	LT G-Engineering	A-Administrative	50-298/1997009
	G-Engineering		
53-Communication	LT G-Engineering	Z-Other	50-298/1997018
	G-Engineering		

Communications ER

Number of items: 1
Percent of total: .47

53-Communication	LT O-Operations	Z-Other	50-298/1997001
	O-Operations		

Communications LER

Number of items: 0
Percent of total: 0

Human-System Interface and Environm IR

Number of items: 0
Percent of total: 0

Human-System Interface and Environm ER

Number of items: 0
Percent of total: 0

Human-System Interface and Environm LER

Number of items: 2
Percent of total: .94

62-Information orga	E-Electrical	T-Testing	50-298/199700500
75-Work area LTA	E-Electrical	T-Testing	50-298/199700500

Management and Supervision IR

Number of items: 49
Percent of total: 23.11

32-Supervision / co	B-Plant Management	U-Unknown	50-298/1996024
43-Operating Experi	B-Plant Management	U-Unknown	50-298/1996024

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Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 49			
Percent of Total: 23.11			
43-Operating Experi	B-Plant Management	U-Unknown	50-298/1996024

36-Scheduling and p	G-Engineering	U-Unknown	50-298/1996025
40-Individual Corre	M-Mechanical	U-Unknown	50-298/1996025
33-Management expec	B-Plant Management	U-Unknown	50-298/1996031
40-Individual Corre	M-Mechanical	U-Unknown	50-298/1996031
41-Action not begun	M-Mechanical	U-Unknown	50-298/1996031
42-No action planne	M-Mechanical	U-Unknown	50-298/1996031
44-Corrective Actio	O-Operations	O-Control Room Ops	50-298/1997002
44-Corrective Actio	E-Electrical	M-Maint / Repair	50-298/1997002
40-Individual Corre	O-Operations	S-Surveillance	50-298/1997002
44-Corrective Actio	G-Engineering	M-Maint / Repair	50-298/1997002
44-Corrective Actio	G-Engineering	G-Design	50-298/1997003
33-Management expec	G-Engineering	G-Design	50-298/1997004
36-Scheduling and p	I-Instrumentation &	M-Maint / Repair	50-298/1997005
36-Scheduling and p	E-Electrical	M-Maint / Repair	50-298/1997005
40-Individual Corre	H-Health Physics	B-Bal of Plant Ops	50-298/1997005
33-Management expec	B-Plant Management	C-Calibration	50-298/1997006
33-Management expec	D-Emergency Plannin	B-Bal of Plant Ops	50-298/1997006
40-Individual Corre	C-Chemistry	Z-Other	50-298/1997007
47-Root Cause LTA	G-Engineering	S-Surveillance	50-298/1997007
40-Individual Corre	G-Engineering	Z-Other	50-298/1997007
40-Individual Corre	G-Engineering	Z-Other	50-298/1997007
33-Management expec	B-Plant Management	Z-Other	50-298/1997007
40-Individual Corre	G-Engineering	Z-Other	50-298/1997007
40-Individual Corre	G-Engineering	Z-Other	50-298/1997007
40-Individual Corre	G-Engineering	Z-Other	50-298/1997007
41-Action not begun	G-Engineering	T-Testing	50-298/1997007
41-Action not begun	G-Engineering	Z-Other	50-298/1997008
47-Root Cause LTA	G-Engineering	Z-Other	50-298/1997008
40-Individual Corre	O-Operations	Z-Other	50-298/1997008
47-Root Cause LTA	M-Mechanical	M-Maint / Repair	50-298/1997008
48-Audits or proble	G-Engineering	M-Maint / Repair	50-298/1997008
32-Supervision / co	O-Operations	Z-Other	50-298/1997009
40-Individual Corre	G-Engineering	Z-Other	50-298/1997009
40-Individual Corre	E-Electrical	Z-Other	50-298/1997009
48-Audits or proble	G-Engineering	Z-Other	50-298/1997009
48-Audits or proble	O-Operations	O-Control Room Ops	50-298/1997009
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-298/1997009
36-Scheduling and p	W-Work Control / Sc	H-Health Physics	50-298/1997009
48-Audits or proble	G-Engineering	Z-Other	50-298/1997012
32-Supervision / co	G-Engineering	M-Maint / Repair	50-298/1997012
40-Individual Corre	G-Engineering	G-Design	50-298/1997012
40-Individual Corre	G-Engineering	T-Testing	50-298/1997012
40-Individual Corre	O-Operations	Q-Fire Protection	50-298/1997016
48-Audits or proble	G-Engineering	Z-Other	50-298/1997018
43-Operating Experi	G-Engineering	Z-Other	50-298/1997018
43-Operating Experi	G-Engineering	Z-Other	50-298/1997018

Management and Supervision ER

Number of items: 0

Percent of total: 0

Management and Supervision LER

Number of items: 2

Percent of total: .94

36-Scheduling and p O-Operations T-Testing 50-298/199701200

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Management and Supervision LER			
Number of items: 2			
Percent of Total: .94			
36-Scheduling and p	O-Operations	T-Testing	50-298/199701900

Organizational Issues IR

Number of items: 1

Percent of total: .47

22-Poor Task Alloca G-Engineering U-Unknown 50-298/1996025

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: 33

Percent of total: 15.57

11-No procedure / r	O-Operations	U-Unknown	50-298/1996024
12-Procedure techni	O-Operations	U-Unknown	50-298/1996024
12-Procedure techni	O-Operations	U-Unknown	50-298/1996024
12-Procedure techni	O-Operations	U-Unknown	50-298/1996024
14-Document develop	O-Operations	U-Unknown	50-298/1996024
14-Document develop	O-Operations	U-Unknown	50-298/1996024
14-Document develop	O-Operations	U-Unknown	50-298/1996024
14-Document develop	G-Engineering	U-Unknown	50-298/1996024
14-Document develop	G-Engineering	U-Unknown	50-298/1996024
14-Document develop	G-Engineering	U-Unknown	50-298/1996024
14-Document develop	G-Engineering	U-Unknown	50-298/1996024
14-Document develop	G-Engineering	U-Unknown	50-298/1996024
14-Document develop	G-Engineering	U-Unknown	50-298/1996024
14-Document develop	G-Engineering	U-Unknown	50-298/1996024
12-Procedure techni	O-Operations	U-Unknown	50-298/1996024
11-No procedure / r	I-Instrumentation &	U-Unknown	50-298/1996031
12-Procedure techni	P-Procedure Writers	M-Maint / Repair	50-298/1997002
12-Procedure techni	P-Procedure Writers	S-Surveillance	50-298/1997005
12-Procedure techni	P-Procedure Writers	S-Surveillance	50-298/1997005
14-Document develop	P-Procedure Writers	R-Refueling	50-298/1997005
12-Procedure techni	G-Engineering	G-Design	50-298/1997006
12-Procedure techni	G-Engineering	G-Design	50-298/1997006
12-Procedure techni	G-Engineering	G-Design	50-298/1997006
12-Procedure techni	G-Engineering	G-Design	50-298/1997007
12-Procedure techni	G-Engineering	G-Design	50-298/1997007
12-Procedure techni	G-Engineering	G-Design	50-298/1997009
12-Procedure techni	G-Engineering	G-Design	50-298/1997013
12-Procedure techni	G-Engineering	G-Design	50-298/1997013
12-Procedure techni	G-Engineering	G-Design	50-298/1997013
12-Procedure techni	G-Engineering	G-Design	50-298/1997018
12-Procedure techni	G-Engineering	G-Design	50-298/1997018
12-Procedure techni	G-Engineering	G-Design	50-298/1997018

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Procedures and Reference Document IR

Number of items: 33

Percent of Total: 15.57

12-Procedure techni	G-Engineering	G-Design	50-298/1997018
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Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

Procedures and Reference Document LER

Number of items: 8

Percent of total: 3.77

13-Procedure has hu	I-Instrumentation &	M-Maint / Repair	50-298/199700400
13-Procedure has hu	E-Electrical	T-Testing	50-298/199700500
11-No procedure / r	I-Instrumentation &	T-Testing	50-298/199700600
13-Procedure has hu	O-Operations	O-Control Room Ops	50-298/199700700
13-Procedure has hu	M-Mechanical	M-Maint / Repair	50-298/199701100
13-Procedure has hu	M-Mechanical	T-Testing	50-298/199701100
13-Procedure has hu	O-Operations	T-Testing	50-298/199701200
13-Procedure has hu	O-Operations	T-Testing	50-298/199701800

Training IR

Number of items: 9

Percent of total: 4.25

02-Training LTA	O-Operations	U-Unknown	50-298/1996016
03-Training process	O-Operations	U-Unknown	50-298/1996016
05-Individual knowl	O-Operations	O-Control Room Ops	50-298/1997006
05-Individual knowl	G-Engineering	G-Design	50-298/1997009
05-Individual knowl	G-Engineering	G-Design	50-298/1997009
02-Training LTA	T-Training	Z-Other	50-298/1997012
02-Training LTA	T-Training	Q-Fire Protection	50-298/1997016
05-Individual knowl	G-Engineering	Z-Other	50-298/1997018
05-Individual knowl	G-Engineering	G-Design	50-298/1997018

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

Training LER
 Number of items: 1
 Percent of total: .47
 02-Training LTA I-Instrumentation & M-Maint / Repair 50-298/199700400

Work Factors IR
 Number of items: 86
 Percent of total: 40.57
 84-Non-conserv. dec O-Operations U-Unknown 50-298/1996031
 84-Non-conserv. dec O-Operations U-Unknown 50-298/1996031
 87-Non-conservati O-Operations U-Unknown 50-298/1996031
 84-Non-conserv. dec O-Operations M-Maint / Repair 50-298/1997002
 87-Non-conservati E-Electrical M-Maint / Repair 50-298/1997002
 84-Non-conserv. dec M-Mechanical M-Maint / Repair 50-298/1997003
 84-Non-conserv. dec O-Operations M-Maint / Repair 50-298/1997003
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Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 86			
Percent of Total: 40.57			
84-Non-conserv. dec	H-Health Physics	M-Maint / Repair	50-298/1997003
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-298/1997003
86-Work untimely	I-Instrumentation &	M-Maint / Repair	50-298/1997003
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-298/1997003
83-Work practice or	M-Mechanical	Q-Fire Protection	50-298/1997003
83-Work practice or	G-Engineering	T-Testing	50-298/1997004
83-Work practice or	G-Engineering	G-Design	50-298/1997004
83-Work practice or	G-Engineering	G-Design	50-298/1997004
87-Non-conservati	O-Operations	S-Surveillance	50-298/1997005
84-Non-conserv. dec	G-Engineering	T-Testing	50-298/1997005
83-Work practice or	M-Mechanical	T-Testing	50-298/1997005
83-Work practice or	M-Mechanical	M-Maint / Repair	50-298/1997005
83-Work practice or	G-Engineering	M-Maint / Repair	50-298/1997005
87-Non-conservati	F-Fuel Handling	R-Refueling	50-298/1997005
87-Non-conservati	F-Fuel Handling	R-Refueling	50-298/1997005
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-298/1997006
86-Work untimely	G-Engineering	G-Design	50-298/1997006
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-298/1997006
83-Work practice or	O-Operations	A-Administrative	50-298/1997006
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-298/1997006
83-Work practice or	C-Chemistry	H-Health Physics	50-298/1997007
94-Log-keeping or r	O-Operations	A-Administrative	50-298/1997007
94-Log-keeping or r	O-Operations	A-Administrative	50-298/1997007
94-Log-keeping or r	O-Operations	A-Administrative	50-298/1997007
83-Work practice or	O-Operations	S-Surveillance	50-298/1997007
81-Work Package Qua	G-Engineering	G-Design	50-298/1997007
81-Work Package Qua	G-Engineering	G-Design	50-298/1997007
81-Work Package Qua	G-Engineering	G-Design	50-298/1997007
93-Awareness or att	G-Engineering	G-Design	50-298/1997007
93-Awareness or att	G-Engineering	G-Design	50-298/1997007
81-Work Package Qua	G-Engineering	G-Design	50-298/1997007
84-Non-conserv. dec	G-Engineering	G-Design	50-298/1997007
81-Work Package Qua	G-Engineering	G-Design	50-298/1997007
83-Work practice or	G-Engineering	A-Administrative	50-298/1997007
86-Work untimely	G-Engineering	G-Design	50-298/1997007
93-Awareness or att	G-Engineering	G-Design	50-298/1997007
83-Work practice or	G-Engineering	G-Design	50-298/1997007
83-Work practice or	G-Engineering	G-Design	50-298/1997007
83-Work practice or	G-Engineering	G-Design	50-298/1997007
84-Non-conserv. dec	G-Engineering	G-Design	50-298/1997007
83-Work practice or	O-Operations	O-Control Room Ops	50-298/1997008
83-Work practice or	O-Operations	B-Bal of Plant Ops	50-298/1997008
93-Awareness or att	O-Operations	O-Control Room Ops	50-298/1997008
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-298/1997008
83-Work practice or	I-Instrumentation &	A-Administrative	50-298/1997008
93-Awareness or att	O-Operations	A-Administrative	50-298/1997009
84-Non-conserv. dec	O-Operations	V-Troubleshooting	50-298/1997009
81-Work Package Qua	G-Engineering	A-Administrative	50-298/1997009
83-Work practice or	E-Electrical	A-Administrative	50-298/1997009

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81-Work Package Qua G-Engineering M-Maint / Repair 50-298/1997009
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Work Factors IR			
Number of items: 86			
Percent of Total: 40.57			
83-Work practice or	G-Engineering	G-Design	50-298/1997009
83-Work practice or	O-Operations	S-Surveillance	50-298/1997012
84-Non-conserv. dec	O-Operations	S-Surveillance	50-298/1997012
86-Work untimely	G-Engineering	A-Administrative	50-298/1997012
83-Work practice or	E-Electrical	S-Surveillance	50-298/1997013
83-Work practice or	M-Mechanical	S-Surveillance	50-298/1997013
83-Work practice or	E-Electrical	S-Surveillance	50-298/1997013
83-Work practice or	E-Electrical	S-Surveillance	50-298/1997013
93-Awareness or att	I-Instrumentation &	S-Surveillance	50-298/1997013
93-Awareness or att	I-Instrumentation &	S-Surveillance	50-298/1997013
83-Work practice or	I-Instrumentation &	S-Surveillance	50-298/1997013
83-Work practice or	I-Instrumentation &	S-Surveillance	50-298/1997013
83-Work practice or	E-Electrical	S-Surveillance	50-298/1997013
86-Work untimely	G-Engineering	G-Design	50-298/1997016
83-Work practice or	G-Engineering	A-Administrative	50-298/1997016
86-Work untimely	G-Engineering	A-Administrative	50-298/1997016
83-Work practice or	G-Engineering	G-Design	50-298/1997016
86-Work untimely	G-Engineering	G-Design	50-298/1997016
83-Work practice or	G-Engineering	G-Design	50-298/1997016
83-Work practice or	G-Engineering	A-Administrative	50-298/1997016
83-Work practice or	G-Engineering	G-Design	50-298/1997018
83-Work practice or	G-Engineering	G-Design	50-298/1997018
83-Work practice or	G-Engineering	G-Design	50-298/1997018
83-Work practice or	G-Engineering	G-Design	50-298/1997018
83-Work practice or	G-Engineering	G-Design	50-298/1997018
81-Work Package Qua	G-Engineering	G-Design	50-298/1997018
83-Work practice or	G-Engineering	G-Design	50-298/1997018
83-Work practice or	G-Engineering	G-Design	50-298/1997018
83-Work practice or	G-Engineering	G-Design	50-298/1997018

Work Factors ER			
Number of items: 3			
Percent of total: 1.42			
83-Work practice or	O-Operations	Z-Other	50-298/1997001
93-Awareness or att	O-Operations	Z-Other	50-298/1997001
91-Verification / p	O-Operations	K-Housekeeping	50-298/1997017

Work Factors LER			
Number of items: 8			
Percent of total: 3.77			
87-Non-conservati	I-Instrumentation &	M-Maint / Repair	50-298/199700400
87-Non-conservati	E-Electrical	T-Testing	50-298/199700500
87-Non-conservati	M-Mechanical	M-Maint / Repair	50-298/199701100
87-Non-conservati	M-Mechanical	T-Testing	50-298/199701100
87-Non-conservati	O-Operations	T-Testing	50-298/199701200
87-Non-conservati	O-Operations	T-Testing	50-298/199701800
93-Awareness or att	O-Operations	T-Testing	50-298/199701900
84-Non-conserv. dec	O-Operations	T-Testing	50-298/199701900

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