

1997 Human Factors Information System Report for Plant Docket 341

Combined IR/ER/LER Report
Docket: 50-341 FERMI 2

Total Number of Hits in Date Range: 211
From 01/01/1997 to 12/31/1997
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 14			
Percent of total: 6.64			
51-Misunderstood /	O-Operations	U-Unknown	50-341/1996010
53-Communication LT	O-Operations	U-Unknown	50-341/1996010
53-Communication LT	O-Operations	U-Unknown	50-341/1996010
51-Misunderstood /	I-Instrumentation &	U-Unknown	50-341/1996010
53-Communication LT	I-Instrumentation &	U-Unknown	50-341/1996010
53-Communication LT	O-Operations	U-Unknown	50-341/1996017
53-Communication LT	M-Mechanical	U-Unknown	50-341/1996017
53-Communication LT	I-Instrumentation &	C-Calibration	50-341/1997002
	I-Instrumentation &		
53-Communication LT	O-Operations	D-Emergency Drill	50-341/1997002
	O-Operations		
53-Communication LT	D-Emergency Plannin	D-Emergency Drill	50-341/1997002
	D-Emergency Plannin		
53-Communication LT	G-Engineering	V-Troubleshooting	50-341/1997003
	G-Engineering		
54-No communication	O-Operations	M-Maint / Repair	50-341/1997003
	O-Operations		
55-Communication Eq	O-Operations	B-Bal of Plant Ops	50-341/1997010
	O-Operations		
53-Communication LT	I-Instrumentation &	V-Troubleshooting	50-341/1997013
	I-Instrumentation &		

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

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

Human-System Interface and Environm IR			
Number of items: 6			
Percent of total: 2.84			
63-Size, shape or c	O-Operations	U-Unknown	50-341/1996010
63-Size, shape or c	I-Instrumentation &	U-Unknown	50-341/1996010
62-Information orga	O-Operations	U-Unknown	50-341/1996013
62-Information orga	M-Mechanical	U-Unknown	50-341/1996013
76-Postings LTA	Z-Other	Z-Other	50-341/1997002
75-Work area LTA	U-Unknown	M-Maint / Repair	50-341/1997003

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: 23			
Percent of total: 10.9			
41-Action not begun	G-Engineering	U-Unknown	50-341/1996010
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Management and Supervision IR

Number of items: 23

Percent of Total: 10.9

43-Operating Experi	M-Mechanical	U-Unknown	50-341/1996013
32-Supervision / co	B-Plant Management	U-Unknown	50-341/1996013
36-Scheduling and p	O-Operations	U-Unknown	50-341/1996017
32-Supervision / co	O-Operations	B-Bal of Plant Ops	50-341/1997002
40-Individual Corre	O-Operations	C-Calibration	50-341/1997002
40-Individual Corre	I-Instrumentation &	V-Troubleshooting	50-341/1997003
44-Corrective Actio	G-Engineering	M-Maint / Repair	50-341/1997003
41-Action not begun	G-Engineering	G-Design	50-341/1997003
44-Corrective Actio	B-Plant Management	G-Design	50-341/1997003
40-Individual Corre	G-Engineering	G-Design	50-341/1997005
41-Action not begun	G-Engineering	Z-Other	50-341/1997007
40-Individual Corre	G-Engineering	Z-Other	50-341/1997007
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-341/1997007
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-341/1997007
36-Scheduling and p	W-Work Control / Sc	T-Testing	50-341/1997010
32-Supervision / co	G-Engineering	F-Modification	50-341/1997011
32-Supervision / co	G-Engineering	F-Modification	50-341/1997011
32-Supervision / co	I-Instrumentation &	M-Maint / Repair	50-341/1997013
32-Supervision / co	I-Instrumentation &	V-Troubleshooting	50-341/1997013
40-Individual Corre	G-Engineering	Z-Other	50-341/1997013
41-Action not begun	G-Engineering	Z-Other	50-341/1997013
43-Operating Experi	G-Engineering	Z-Other	50-341/1997013

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: 1

Percent of total: .47

22-Poor Task Alloca	E-Electrical	U-Unknown	50-341/1996010
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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: 31

Percent of total: 14.69

12-Procedure techni	E-Electrical	U-Unknown	50-341/1996010
12-Procedure techni	G-Engineering	U-Unknown	50-341/1996010
14-Document develop	G-Engineering	U-Unknown	50-341/1996010

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Procedures and Reference Document IR

Number of items: 31

Percent of Total: 14.69

12-Procedure techni	I-Instrumentation &	U-Unknown	50-341/1996013
12-Procedure techni	I-Instrumentation &	U-Unknown	50-341/1996013
12-Procedure techni	M-Mechanical	U-Unknown	50-341/1996017
11-No procedure / r	O-Operations	B-Bal of Plant Ops	50-341/1997002
12-Procedure techni	G-Engineering	T-Testing	50-341/1997002
12-Procedure techni	G-Engineering	G-Design	50-341/1997003
12-Procedure techni	G-Engineering	G-Design	50-341/1997003
12-Procedure techni	G-Engineering	G-Design	50-341/1997003
12-Procedure techni	G-Engineering	G-Design	50-341/1997003
12-Procedure techni	G-Engineering	G-Design	50-341/1997003
12-Procedure techni	G-Engineering	G-Design	50-341/1997003
12-Procedure techni	G-Engineering	G-Design	50-341/1997003
12-Procedure techni	G-Engineering	P-Procedure Dev	50-341/1997005
11-No procedure / r	E-Electrical	M-Maint / Repair	50-341/1997005
13-Procedure has hu	Z-Other	M-Maint / Repair	50-341/1997007
12-Procedure techni	G-Engineering	G-Design	50-341/1997007

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12-Procedure techni	G-Engineering	G-Design	50-341/1997007
12-Procedure techni	G-Engineering	G-Design	50-341/1997007
12-Procedure techni	G-Engineering	G-Design	50-341/1997010
12-Procedure techni	G-Engineering	G-Design	50-341/1997011
12-Procedure techni	G-Engineering	G-Design	50-341/1997011
12-Procedure techni	G-Engineering	G-Design	50-341/1997011
12-Procedure techni	G-Engineering	G-Design	50-341/1997011
12-Procedure techni	G-Engineering	G-Design	50-341/1997013
11-No procedure / r	G-Engineering	G-Design	50-341/1997013
12-Procedure techni	G-Engineering	G-Design	50-341/1997013
12-Procedure techni	G-Engineering	G-Design	50-341/1997013
12-Procedure techni	O-Operations	Q-Fire Protection	50-341/1997013
11-No procedure / r	D-Emergency Plannin	D-Emergency Drill	50-341/1997013

Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

Procedures and Reference Document LER

Number of items: 5

Percent of total: 2.37

13-Procedure has hu	E-Electrical	G-Design	50-341/199700500
13-Procedure has hu	E-Electrical	T-Testing	50-341/199700500
13-Procedure has hu	G-Engineering	G-Design	50-341/199700500
13-Procedure has hu	G-Engineering	T-Testing	50-341/199700500
13-Procedure has hu	O-Operations	M-Maint / Repair	50-341/199700900

Training IR

Number of items: 9

Percent of total: 4.27

05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-341/1997002
02-Training LTA	T-Training	B-Bal of Plant Ops	50-341/1997002
05-Individual knowl	O-Operations	D-Emergency Drill	50-341/1997002
02-Training LTA	I-Instrumentation &	M-Maint / Repair	50-341/1997005
02-Training LTA	E-Electrical	M-Maint / Repair	50-341/1997005

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Training IR

Number of items: 9

Percent of Total: 4.27

02-Training LTA	M-Mechanical	M-Maint / Repair	50-341/1997005
02-Training LTA	T-Training	M-Maint / Repair	50-341/1997013
05-Individual knowl	G-Engineering	M-Maint / Repair	50-341/1997013
02-Training LTA	T-Training	D-Emergency Drill	50-341/1997013

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: 120

Percent of total: 56.87

82-Briefing, prep.	E-Electrical	U-Unknown	50-341/1996010
87-Non-conservati	G-Engineering	U-Unknown	50-341/1996010
92-Self check LTA	I-Instrumentation &	U-Unknown	50-341/1996010
92-Self check LTA	E-Electrical	U-Unknown	50-341/1996010
88-Tag outs LTA	O-Operations	U-Unknown	50-341/1996010
84-Non-conserv. dec	G-Engineering	U-Unknown	50-341/1996013
87-Non-conservati	O-Operations	U-Unknown	50-341/1996013
87-Non-conservati	O-Operations	U-Unknown	50-341/1996013
83-Work practice or	M-Mechanical	U-Unknown	50-341/1996013
84-Non-conserv. dec	M-Mechanical	U-Unknown	50-341/1996013
84-Non-conserv. dec	G-Engineering	U-Unknown	50-341/1996013
87-Non-conservati	I-Instrumentation &	U-Unknown	50-341/1996013
87-Non-conservati	H-Health Physics	U-Unknown	50-341/1996013
84-Non-conserv. dec	O-Operations	U-Unknown	50-341/1996017
87-Non-conservati	O-Operations	U-Unknown	50-341/1996017
87-Non-conservati	O-Operations	U-Unknown	50-341/1996017
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-341/1997002

83-Work practice or	E-Electrical	B-Bal of Plant Ops	50-341/1997002
83-Work practice or	U-Unknown	M-Maint / Repair	50-341/1997002
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-341/1997002
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-341/1997002
83-Work practice or	M-Mechanical	M-Maint / Repair	50-341/1997002
81-Work Package Qua	W-Work Control / Sc	T-Testing	50-341/1997002
81-Work Package Qua	W-Work Control / Sc	C-Calibration	50-341/1997002
83-Work practice or	I-Instrumentation &	V-Troubleshooting	50-341/1997002
83-Work practice or	M-Mechanical	S-Surveillance	50-341/1997002
81-Work Package Qua	G-Engineering	F-Modification	50-341/1997002
83-Work practice or	G-Engineering	G-Design	50-341/1997002
81-Work Package Qua	G-Engineering	G-Design	50-341/1997002
93-Awareness or att	O-Operations	D-Emergency Drill	50-341/1997002
92-Self check LTA	D-Emergency Plannin	D-Emergency Drill	50-341/1997002
93-Awareness or att	D-Emergency Plannin	D-Emergency Drill	50-341/1997002
93-Awareness or att	O-Operations	D-Emergency Drill	50-341/1997002
84-Non-conserv. dec	Z-Other	Z-Other	50-341/1997002

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From 01/01/1997 to 12/31/1997
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Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 120			
Percent of Total: 56.87			
83-Work practice or	Z-Other	Z-Other	50-341/1997002
84-Non-conserv. dec	I-Instrumentation &	S-Surveillance	50-341/1997003
83-Work practice or	M-Mechanical	M-Maint / Repair	50-341/1997003
83-Work practice or	M-Mechanical	M-Maint / Repair	50-341/1997003
89-Housekeeping LTA	U-Unknown	M-Maint / Repair	50-341/1997003
91-Verification / p	M-Mechanical	M-Maint / Repair	50-341/1997003
91-Verification / p	M-Mechanical	M-Maint / Repair	50-341/1997003
92-Self check LTA	M-Mechanical	M-Maint / Repair	50-341/1997003
92-Self check LTA	M-Mechanical	M-Maint / Repair	50-341/1997003
92-Self check LTA	I-Instrumentation &	C-Calibration	50-341/1997003
93-Awareness or att	I-Instrumentation &	V-Troubleshooting	50-341/1997003
84-Non-conserv. dec	O-Operations	V-Troubleshooting	50-341/1997003
83-Work practice or	E-Electrical	M-Maint / Repair	50-341/1997003
83-Work practice or	E-Electrical	M-Maint / Repair	50-341/1997003
83-Work practice or	E-Electrical	M-Maint / Repair	50-341/1997003
83-Work practice or	M-Mechanical	M-Maint / Repair	50-341/1997003
83-Work practice or	E-Electrical	F-Modification	50-341/1997003
93-Awareness or att	E-Electrical	M-Maint / Repair	50-341/1997003
93-Awareness or att	E-Electrical	M-Maint / Repair	50-341/1997003
93-Awareness or att	E-Electrical	M-Maint / Repair	50-341/1997003
83-Work practice or	E-Electrical	M-Maint / Repair	50-341/1997003
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-341/1997003
83-Work practice or	W-Work Control / Sc	M-Maint / Repair	50-341/1997003
85-Team interaction	G-Engineering	V-Troubleshooting	50-341/1997003
83-Work practice or	E-Electrical	V-Troubleshooting	50-341/1997003
83-Work practice or	E-Electrical	V-Troubleshooting	50-341/1997003
83-Work practice or	O-Operations	V-Troubleshooting	50-341/1997003
83-Work practice or	G-Engineering	M-Maint / Repair	50-341/1997003
83-Work practice or	E-Electrical	M-Maint / Repair	50-341/1997003
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-341/1997003
84-Non-conserv. dec	E-Electrical	M-Maint / Repair	50-341/1997003
92-Self check LTA	O-Operations	M-Maint / Repair	50-341/1997003
82-Briefing, prep.	O-Operations	M-Maint / Repair	50-341/1997003
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-341/1997003
81-Work Package Qua	G-Engineering	F-Modification	50-341/1997003
83-Work practice or	I-Instrumentation &	H-Health Physics	50-341/1997003
93-Awareness or att	C-Chemistry	B-Bal of Plant Ops	50-341/1997003
83-Work practice or	G-Engineering	T-Testing	50-341/1997005
81-Work Package Qua	G-Engineering	T-Testing	50-341/1997005
84-Non-conserv. dec	G-Engineering	T-Testing	50-341/1997005
83-Work practice or	M-Mechanical	M-Maint / Repair	50-341/1997005
83-Work practice or	M-Mechanical	M-Maint / Repair	50-341/1997005
83-Work practice or	E-Electrical	M-Maint / Repair	50-341/1997005
83-Work practice or	E-Electrical	M-Maint / Repair	50-341/1997005
93-Awareness or att	Q-QA/QC	M-Maint / Repair	50-341/1997005
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-341/1997005
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-341/1997005
92-Self check LTA	I-Instrumentation &	T-Testing	50-341/1997005
83-Work practice or	E-Electrical	M-Maint / Repair	50-341/1997005
81-Work Package Qua	G-Engineering	B-Bal of Plant Ops	50-341/1997005

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Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 120			
Percent of Total: 56.87			
81-Work Package Qua	G-Engineering	B-Bal of Plant Ops	50-341/1997005
83-Work practice or	G-Engineering	G-Design	50-341/1997005
83-Work practice or	G-Engineering	G-Design	50-341/1997005
81-Work Package Qua	G-Engineering	G-Design	50-341/1997005
83-Work practice or	O-Operations	A-Administrative	50-341/1997007
82-Briefing, prep.	O-Operations	M-Maint / Repair	50-341/1997007
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-341/1997007
93-Awareness or att	O-Operations	T-Testing	50-341/1997007
92-Self check LTA	C-Chemistry	T-Testing	50-341/1997007
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-341/1997007
93-Awareness or att	O-Operations	M-Maint / Repair	50-341/1997007
94-Log-keeping or r	O-Operations	A-Administrative	50-341/1997007
93-Awareness or att	W-Work Control / Sc	A-Administrative	50-341/1997007
93-Awareness or att	E-Electrical	A-Administrative	50-341/1997007
93-Awareness or att	G-Engineering	A-Administrative	50-341/1997007
86-Work untimely	O-Operations	Z-Other	50-341/1997007
93-Awareness or att	O-Operations	S-Surveillance	50-341/1997007
84-Non-conserv. dec	O-Operations	A-Administrative	50-341/1997010
84-Non-conserv. dec	G-Engineering	G-Design	50-341/1997010
94-Log-keeping or r	M-Mechanical	F-Modification	50-341/1997011
93-Awareness or att	G-Engineering	G-Design	50-341/1997011
84-Non-conserv. dec	G-Engineering	G-Design	50-341/1997011
81-Work Package Qua	G-Engineering	F-Modification	50-341/1997011
81-Work Package Qua	G-Engineering	F-Modification	50-341/1997011
83-Work practice or	G-Engineering	F-Modification	50-341/1997011
83-Work practice or	G-Engineering	G-Design	50-341/1997011
83-Work practice or	T-Training	Z-Other	50-341/1997013
83-Work practice or	T-Training	Z-Other	50-341/1997013
92-Self check LTA	I-Instrumentation &	M-Maint / Repair	50-341/1997013
91-Verification / p	M-Mechanical	M-Maint / Repair	50-341/1997013
83-Work practice or	I-Instrumentation &	V-Troubleshooting	50-341/1997013
82-Briefing, prep.	M-Mechanical	M-Maint / Repair	50-341/1997013
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-341/1997013
81-Work Package Qua	Q-QA/QC	M-Maint / Repair	50-341/1997013
84-Non-conserv. dec	G-Engineering	G-Design	50-341/1997013
81-Work Package Qua	G-Engineering	M-Maint / Repair	50-341/1997013

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

Work Factors LER
Number of items: 2
Percent of total: .95

87-Non-conservati	G-Engineering	G-Design	50-341/199700300
87-Non-conservati	G-Engineering	A-Administrative	50-341/199700600

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