

# 1999 Human Factors Information System Report for Plant Docket 440

Combined IR/ER/LER Report  
Docket: 50-440 PERRY 1

Total Number of Hits in Date Range: 121  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 10			
Percent of total: 8.26			
53-Communication	LT O-Operations	O-Control Room Ops	50-440/1999002
	O-Operations		
53-Communication	LT O-Operations	O-Control Room Ops	50-440/1999002
	O-Operations		
53-Communication	LT O-Operations	O-Control Room Ops	50-440/1999002
	O-Operations		
53-Communication	LT O-Operations	O-Control Room Ops	50-440/1999002
	O-Operations		
53-Communication	LT H-Health Physics	B-Bal of Plant Ops	50-440/1999007
	H-Health Physics		
53-Communication	LT H-Health Physics	B-Bal of Plant Ops	50-440/1999007
	H-Health Physics		
55-Communication	Eq Z-Other	O-Control Room Ops	50-440/1999009
	Z-Other		
51-Misunderstood /	O-Operations	M-Maint / Repair	50-440/1999010
	O-Operations		
51-Misunderstood /	Z-Other	M-Maint / Repair	50-440/1999010
	Z-Other		
55-Communication	Eq D-Emergency Plannin	D-Emergency Drill	50-440/1999012
	D-Emergency Plannin		

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: 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: 1  
Percent of total: .83

67-Function	LTA (ac O-Operations	T-Testing	50-440/199900500
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Management and Supervision IR  
Number of items: 15  
Percent of total: 12.4

40-Individual Corre	G-Engineering	Z-Other	50-440/1998020
40-Individual Corre	G-Engineering	Z-Other	50-440/1998020
40-Individual Corre	G-Engineering	Z-Other	50-440/1998020

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Management and Supervision IR			
Number of items: 15			
Percent of Total: 12.4			
41-Action not begun	G-Engineering	Z-Other	50-440/1998020
42-No action planne	G-Engineering	Z-Other	50-440/1998020

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42-No action planne	O-Operations	Z-Other	50-440/1998020
40-Individual Corre	G-Engineering	Z-Other	50-440/1999001
41-Action not begun	G-Engineering	Z-Other	50-440/1999001
32-Supervision / co	H-Health Physics	Z-Other	50-440/1999007
33-Management expec	O-Operations	Z-Other	50-440/1999010
41-Action not begun	G-Engineering	Z-Other	50-440/1999013
41-Action not begun	G-Engineering	Z-Other	50-440/1999013
44-Corrective Actio	G-Engineering	Z-Other	50-440/1999013
41-Action not begun	G-Engineering	Z-Other	50-440/1999013
44-Corrective Actio	G-Engineering	Z-Other	50-440/1999013

## Management and Supervision ER

Number of items: 0  
Percent of total: 0

## Management and Supervision LER

Number of items: 1  
Percent of total: .83

33-Management expec	O-Operations	T-Testing	50-440/199900500
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## Organizational Issues IR

Number of items: 8  
Percent of total: 6.61

28-Frequent use of	O-Operations	M-Maint / Repair	50-440/1999003
28-Frequent use of	I-Instrumentation &	M-Maint / Repair	50-440/1999003
28-Frequent use of	E-Electrical	M-Maint / Repair	50-440/1999003
28-Frequent use of	M-Mechanical	M-Maint / Repair	50-440/1999003
28-Frequent use of	H-Health Physics	M-Maint / Repair	50-440/1999003
21-Staffing LTA	D-Emergency Plannin	D-Emergency Drill	50-440/1999012
21-Staffing LTA	G-Engineering	G-Design	50-440/1999013
21-Staffing LTA	G-Engineering	G-Design	50-440/1999013

## 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: 7  
Percent of total: 5.79

12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-440/1999002
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-440/1999003
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-440/1999010
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-440/1999010
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-440/1999010

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## Procedures and Reference Document IR

Number of items: 7  
Percent of Total: 5.79

14-Document develop	D-Emergency Plannin	D-Emergency Drill	50-440/1999012
13-Procedure has hu	G-Engineering	G-Design	50-440/1999013

## Procedures and Reference Document ER

Number of items: 0  
Percent of total: 0

## Procedures and Reference Document LER

Number of items: 4  
Percent of total: 3.31

12-Procedure techni	O-Operations	T-Testing	50-440/199900500
13-Procedure has hu	O-Operations	T-Testing	50-440/199900500
11-No procedure / r	G-Engineering	F-Modification	50-440/199900700
11-No procedure / r	G-Engineering	F-Modification	50-440/199900700

## Training IR

Number of items: 7  
Percent of total: 5.79

02-Training LTA	T-Training	D-Emergency Drill	50-440/1999002
05-Individual knowl	O-Operations	R-Refueling	50-440/1999003

## Human Factors System Report

02-Training LTA	T-Training	M-Maint / Repair	50-440/1999005
02-Training LTA	T-Training	Z-Other	50-440/1999010
05-Individual knowl	D-Emergency Plannin	D-Emergency Drill	50-440/1999012
03-Training process	D-Emergency Plannin	D-Emergency Drill	50-440/1999012
02-Training LTA	T-Training	D-Emergency Drill	50-440/1999012

## Training ER

Number of items: 0  
Percent of total: 0

## Training LER

Number of items: 1  
Percent of total: .83

02-Training LTA	O-Operations	T-Testing	50-440/199900500
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## Work Factors IR

Number of items: 65  
Percent of total: 53.72

83-Work practice or	G-Engineering	A-Administrative	50-440/1998020
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-440/1999001
92-Self check LTA	O-Operations	B-Bal of Plant Ops	50-440/1999001
93-Awareness or att	E-Electrical	S-Surveillance	50-440/1999001
83-Work practice or	E-Electrical	S-Surveillance	50-440/1999001
91-Verification / p	E-Electrical	S-Surveillance	50-440/1999001
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-440/1999001
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-440/1999001
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-440/1999001
83-Work practice or	U-Unknown	Q-Fire Protection	50-440/1999001
84-Non-conserv. dec	G-Engineering	G-Design	50-440/1999001
83-Work practice or	O-Operations	O-Control Room Ops	50-440/1999002

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## Work Factors IR

Number of items: 65  
Percent of Total: 53.72

93-Awareness or att	O-Operations	D-Emergency Drill	50-440/1999002
91-Verification / p	W-Work Control / Sc	M-Maint / Repair	50-440/1999002
91-Verification / p	W-Work Control / Sc	M-Maint / Repair	50-440/1999002
81-Work Package Qua	G-Engineering	G-Design	50-440/1999002
93-Awareness or att	F-Fuel Handling	R-Refueling	50-440/1999002
93-Awareness or att	F-Fuel Handling	R-Refueling	50-440/1999002
93-Awareness or att	F-Fuel Handling	R-Refueling	50-440/1999003
84-Non-conserv. dec	O-Operations	R-Refueling	50-440/1999003
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-440/1999003
83-Work practice or	O-Operations	S-Surveillance	50-440/1999003
93-Awareness or att	E-Electrical	C-Calibration	50-440/1999003
83-Work practice or	O-Operations	M-Maint / Repair	50-440/1999005
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-440/1999005
84-Non-conserv. dec	G-Engineering	G-Design	50-440/1999005
82-Briefing, prep.	H-Health Physics	M-Maint / Repair	50-440/1999007
82-Briefing, prep.	O-Operations	S-Surveillance	50-440/1999009
84-Non-conserv. dec	O-Operations	S-Surveillance	50-440/1999009
84-Non-conserv. dec	O-Operations	S-Surveillance	50-440/1999010
84-Non-conserv. dec	O-Operations	T-Testing	50-440/1999010
93-Awareness or att	O-Operations	T-Testing	50-440/1999010
93-Awareness or att	O-Operations	O-Control Room Ops	50-440/1999010
93-Awareness or att	O-Operations	O-Control Room Ops	50-440/1999010
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-440/1999010
93-Awareness or att	U-Unknown	K-Housekeeping	50-440/1999010
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-440/1999010
83-Work practice or	U-Unknown	K-Housekeeping	50-440/1999010
93-Awareness or att	U-Unknown	K-Housekeeping	50-440/1999010
93-Awareness or att	O-Operations	A-Administrative	50-440/1999010
84-Non-conserv. dec	O-Operations	S-Surveillance	50-440/1999010
93-Awareness or att	D-Emergency Plannin	A-Administrative	50-440/1999012
93-Awareness or att	D-Emergency Plannin	A-Administrative	50-440/1999012
93-Awareness or att	D-Emergency Plannin	A-Administrative	50-440/1999012
93-Awareness or att	D-Emergency Plannin	T-Testing	50-440/1999012
93-Awareness or att	D-Emergency Plannin	T-Testing	50-440/1999012
84-Non-conserv. dec	G-Engineering	G-Design	50-440/1999013
84-Non-conserv. dec	G-Engineering	G-Design	50-440/1999013
93-Awareness or att	G-Engineering	G-Design	50-440/1999013
83-Work practice or	G-Engineering	G-Design	50-440/1999013

93-Awareness or att	G-Engineering	G-Design	50-440/1999013
83-Work practice or	G-Engineering	G-Design	50-440/1999013
93-Awareness or att	G-Engineering	G-Design	50-440/1999013
93-Awareness or att	G-Engineering	G-Design	50-440/1999013
93-Awareness or att	G-Engineering	G-Design	50-440/1999013
83-Work practice or	A-Administrative Su	A-Administrative	50-440/1999013
86-Work untimely	A-Administrative Su	G-Design	50-440/1999013
85-Team interaction	G-Engineering	G-Design	50-440/1999013
84-Non-conserv. dec	G-Engineering	G-Design	50-440/1999013
93-Awareness or att	G-Engineering	Z-Other	50-440/1999013
93-Awareness or att	G-Engineering	A-Administrative	50-440/1999013
93-Awareness or att	T-Training	A-Administrative	50-440/1999013

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Work Factors IR

Number of items: 65

Percent of Total: 53.72

93-Awareness or att	G-Engineering	B-Bal of Plant Ops	50-440/1999013
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93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-440/1999013
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91-Verification / p	O-Operations	B-Bal of Plant Ops	50-440/1999013
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Work Factors ER

Number of items: 0

Percent of total: 0

Work Factors LER

Number of items: 2

Percent of total: 1.65

84-Non-conserv. dec	G-Engineering	F-Modification	50-440/199900700
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84-Non-conserv. dec	G-Engineering	F-Modification	50-440/199900700
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