

# 1999 Human Factors Information System Report for Plant Docket 354

Combined IR/ER/LER Report  
Docket: 50-354 HOPE CREEK 1

Total Number of Hits in Date Range: 120  
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.			
53-Communication LT	O-Operations	B-Bal of Plant Ops	50-354/1998012
	O-Operations		
53-Communication LT	Z-Other	M-Maint / Repair	50-354/1999001
	Z-Other		
55-Communication Eq	Z-Other	M-Maint / Repair	50-354/1999001
	Z-Other		
52-Communication un	F-Fuel Handling	R-Refueling	50-354/1999002
	F-Fuel Handling		
54-No communication	O-Operations	H-Health Physics	50-354/1999002
	O-Operations		
53-Communication LT	D-Emergency Plannin	D-Emergency Drill	50-354/1999007
	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: 5  
Percent of total: 4.17

62-Information orga	O-Operations	B-Bal of Plant Ops	50-354/1999001
62-Information orga	O-Operations	B-Bal of Plant Ops	50-354/1999001
62-Information orga	O-Operations	B-Bal of Plant Ops	50-354/1999001
62-Information orga	F-Fuel Handling	R-Refueling	50-354/1999002
72-Lighting LTA	F-Fuel Handling	R-Refueling	50-354/1999002

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: 18  
Percent of total: 15.

33-Management expec	O-Operations	B-Bal of Plant Ops	50-354/1998012
41-Action not begun	O-Operations	Z-Other	50-354/1998012
32-Supervision / co	O-Operations	B-Bal of Plant Ops	50-354/1998012
40-Individual Corre	T-Training	Z-Other	50-354/1998302
40-Individual Corre	Z-Other	Z-Other	50-354/1999001
40-Individual Corre	F-Fuel Handling	Z-Other	50-354/1999002
32-Supervision / co	T-Training	A-Administrative	50-354/1999002

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Management and Supervision IR			
Number of items: 18			
Percent of Total: 15.			
40-Individual Corre	O-Operations	Q-Fire Protection	50-354/1999005
44-Corrective Actio	G-Engineering	Z-Other	50-354/1999005

40-Individual Corre	G-Engineering	Z-Other	50-354/1999006
41-Action not begun	G-Engineering	Z-Other	50-354/1999006
48-Audits or proble	D-Emergency Plannin	D-Emergency Drill	50-354/1999007
44-Corrective Actio	D-Emergency Plannin	D-Emergency Drill	50-354/1999007
44-Corrective Actio	T-Training	Z-Other	50-354/1999008
41-Action not begun	T-Training	Z-Other	50-354/1999008
47-Root Cause LTA	T-Training	Z-Other	50-354/1999008
32-Supervision / co	T-Training	Z-Other	50-354/1999008
32-Supervision / co	T-Training	Z-Other	50-354/1999008

## Management and Supervision ER

Number of items: 10

Percent of total: 8.33

32-Supervision / co	T-Training	Z-Other	50-354/1998302
40-Individual Corre	T-Training	Z-Other	50-354/1998302
40-Individual Corre	T-Training	Z-Other	50-354/1998302
40-Individual Corre	T-Training	Z-Other	50-354/1998302
44-Corrective Actio	T-Training	Z-Other	50-354/1998302
41-Action not begun	T-Training	Z-Other	50-354/1998302
41-Action not begun	T-Training	Z-Other	50-354/1998302
40-Individual Corre	T-Training	Z-Other	50-354/1998302
47-Root Cause LTA	T-Training	Z-Other	50-354/1998302
44-Corrective Actio	T-Training	Z-Other	50-354/1998302

## Management and Supervision LER

Number of items: 1

Percent of total: .83

40-Individual Corre	G-Engineering	M-Maint / Repair	50-354/199900400
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## Organizational Issues IR

Number of items: 0

Percent of total: 0

## Organizational Issues ER

Number of items: 1

Percent of total: .83

22-Poor Task Alloca	T-Training	Z-Other	50-354/1998302
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## Organizational Issues LER

Number of items: 0

Percent of total: 0

## Procedures and Reference Document IR

Number of items: 13

Percent of total: 10.83

12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-354/1998012
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-354/1998012
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-354/1998012

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## Procedures and Reference Document IR

Number of items: 13

Percent of Total: 10.83

12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-354/1998302
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-354/1998302
13-Procedure has hu	W-Work Control / Sc	B-Bal of Plant Ops	50-354/1999001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-354/1999001
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-354/1999001
14-Document develop	H-Health Physics	H-Health Physics	50-354/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-354/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-354/1999007
12-Procedure techni	G-Engineering	G-Design	50-354/1999007
11-No procedure / r	G-Engineering	G-Design	50-354/1999007

## 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: 3.33

12-Procedure techni	E-Electrical	M-Maint / Repair	50-354/199900700
14-Document develop	E-Electrical	M-Maint / Repair	50-354/199900700

## Human Factors System Report

14-Document develop U-Unknown 50-354/199900800  
 14-Document develop U-Unknown 50-354/199900800

## Training IR

Number of items: 2  
 Percent of total: 1.67  
 02-Training LTA T-Training K-Housekeeping 50-354/1999001  
 05-Individual knowl O-Operations M-Maint / Repair 50-354/1999003

## Training ER

Number of items: 7  
 Percent of total: 5.83  
 03-Training process T-Training Z-Other 50-354/1998302  
 02-Training LTA T-Training Z-Other 50-354/1998302  
 05-Individual knowl T-Training Z-Other 50-354/1998302  
 03-Training process T-Training Z-Other 50-354/1998302  
 03-Training process T-Training Z-Other 50-354/1998302  
 03-Training process T-Training Z-Other 50-354/1998302  
 03-Training process T-Training Z-Other 50-354/1998302

## Training LER

Number of items: 1  
 Percent of total: .83  
 02-Training LTA O-Operations M-Maint / Repair 50-354/199900600

## Work Factors IR

Number of items: 43  
 Percent of total: 35.83  
 83-Work practice or O-Operations B-Bal of Plant Ops 50-354/1998012  
 83-Work practice or I-Instrumentation & M-Maint / Repair 50-354/1998012  
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## Work Factors IR

Number of items: 43			
Percent of Total: 35.83			
83-Work practice or	U-Unknown	Z-Other	50-354/1998012
81-Work Package Qua	T-Training	Z-Other	50-354/1998302
81-Work Package Qua	T-Training	Z-Other	50-354/1998302
81-Work Package Qua	T-Training	Z-Other	50-354/1998302
81-Work Package Qua	T-Training	Z-Other	50-354/1998302
93-Awareness or att	T-Training	Z-Other	50-354/1998302
83-Work practice or	T-Training	Z-Other	50-354/1998302
83-Work practice or	T-Training	A-Administrative	50-354/1998302
93-Awareness or att	I-Instrumentation &	S-Surveillance	50-354/1999001
84-Non-conserv. dec	I-Instrumentation &	S-Surveillance	50-354/1999001
84-Non-conserv. dec	I-Instrumentation &	S-Surveillance	50-354/1999001
91-Verification / p	O-Operations	S-Surveillance	50-354/1999001
83-Work practice or	G-Engineering	C-Calibration	50-354/1999001
83-Work practice or	G-Engineering	C-Calibration	50-354/1999001
82-Briefing, prep.	F-Fuel Handling	K-Housekeeping	50-354/1999001
93-Awareness or att	F-Fuel Handling	R-Refueling	50-354/1999002
93-Awareness or att	F-Fuel Handling	R-Refueling	50-354/1999002
93-Awareness or att	F-Fuel Handling	R-Refueling	50-354/1999002
93-Awareness or att	F-Fuel Handling	R-Refueling	50-354/1999002
93-Awareness or att	F-Fuel Handling	R-Refueling	50-354/1999002
93-Awareness or att	F-Fuel Handling	R-Refueling	50-354/1999002
93-Awareness or att	E-Electrical	M-Maint / Repair	50-354/1999002
93-Awareness or att	E-Electrical	M-Maint / Repair	50-354/1999002
93-Awareness or att	I-Instrumentation &	M-Maint / Repair	50-354/1999002
82-Briefing, prep.	O-Operations	H-Health Physics	50-354/1999002
84-Non-conserv. dec	O-Operations	H-Health Physics	50-354/1999002
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-354/1999003
84-Non-conserv. dec	G-Engineering	Z-Other	50-354/1999003
83-Work practice or	U-Unknown	Z-Fire Protection	50-354/1999005
81-Work Package Qua	O-Operations	Q-Fire Protection	50-354/1999005
84-Non-conserv. dec	G-Engineering	M-Maint / Repair	50-354/1999005
93-Awareness or att	O-Operations	O-Control Room Ops	50-354/1999005
93-Awareness or att	O-Operations	O-Control Room Ops	50-354/1999005
93-Awareness or att	O-Operations	O-Control Room Ops	50-354/1999005
93-Awareness or att	G-Engineering	A-Administrative	50-354/1999005
93-Awareness or att	G-Engineering	A-Administrative	50-354/1999005
93-Awareness or att	G-Engineering	A-Administrative	50-354/1999005

93-Awareness or att	G-Engineering	A-Administrative	50-354/1999005
93-Awareness or att	Q-QA/QC	Z-Other	50-354/1999006
93-Awareness or att	C-Chemistry	A-Administrative	50-354/1999007

## Work Factors ER

Number of items: 6

Percent of total: 5.

85-Team interaction	T-Training	Z-Other	50-354/1998302
84-Non-conserv. dec	T-Training	Z-Other	50-354/1998302
86-Work untimely	T-Training	Z-Other	50-354/1998302
81-Work Package Qua	T-Training	Z-Other	50-354/1998302
84-Non-conserv. dec	B-Plant Management	Z-Other	50-354/1998302

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## Work Factors ER

Number of items: 6

Percent of Total: 5.

81-Work Package Qua	T-Training	Z-Other	50-354/1999301
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## Work Factors LER

Number of items: 3

Percent of total: 2.5

83-Work practice or	E-Electrical	M-Maint / Repair	50-354/199900700
84-Non-conserv. dec	E-Electrical	M-Maint / Repair	50-354/199900700
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-354/199900900

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**[End of File for Plant Docket 354 (1999)]**