

# 1999 Human Factors Information System Report for Plant Docket 528

Combined IR/ER/LER Report  
Docket: 50-528 PALO VERDE 1

Total Number of Hits in Date Range: 152  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 11			
Percent of total: 7.24			
55-Communication	Eq D-Emergency Plannin	D-Emergency Drill	50-528/1998010
	D-Emergency Plannin		
55-Communication	Eq D-Emergency Plannin	D-Emergency Drill	50-528/1998010
	D-Emergency Plannin		
53-Communication	LT O-Operations	D-Emergency Drill	50-528/1999001
	O-Operations		
53-Communication	LT O-Operations	D-Emergency Drill	50-528/1999001
	O-Operations		
54-No communication	O-Operations	D-Emergency Drill	50-528/1999001
	O-Operations		
54-No communication	O-Operations	D-Emergency Drill	50-528/1999001
	O-Operations		
54-No communication	O-Operations	D-Emergency Drill	50-528/1999001
	O-Operations		
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-528/1999001
	D-Emergency Plannin		
52-Communication	un H-Health Physics	D-Emergency Drill	50-528/1999001
	H-Health Physics		
53-Communication	LT H-Health Physics	D-Emergency Drill	50-528/1999001
	H-Health Physics		
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-528/1999001
	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: 1  
Percent of total: .66  
76-Postings LTA H-Health Physics H-Health Physics 50-528/1999010

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: 17  
Percent of total: 11.18  
41-Action not begun G-Engineering Z-Other 50-528/1998009  
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Management and Supervision IR			
Number of items: 17			
Percent of Total: 11.18			
40-Individual Corre	G-Engineering	Z-Other	50-528/1998009
40-Individual Corre	G-Engineering	Z-Other	50-528/1998009

## Human Factors Information System Report

40-Individual Corre	G-Engineering	Z-Other	50-528/1998009
41-Action not begun	G-Engineering	Z-Other	50-528/1998009
41-Action not begun	G-Engineering	Z-Other	50-528/1998009
36-Scheduling and p	W-Work Control / Sc	F-Modification	50-528/1998010
33-Management expec	W-Work Control / Sc	M-Maint / Repair	50-528/1998010
32-Supervision / co	M-Mechanical	F-Modification	50-528/1998010
32-Supervision / co	O-Operations	D-Emergency Drill	50-528/1999001
32-Supervision / co	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
32-Supervision / co	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
40-Individual Corre	P-Procedure Writers	F-Modification	50-528/1999004
40-Individual Corre	P-Procedure Writers	F-Modification	50-528/1999004
42-No action planne	O-Operations	Z-Other	50-528/1999006
44-Corrective Actio	G-Engineering	Z-Other	50-528/1999011
41-Action not begun	G-Engineering	Z-Other	50-528/1999017

## Management and Supervision ER

Number of items: 0

Percent of total: 0

## Management and Supervision LER

Number of items: 1

Percent of total: .66

32-Supervision / co O-Operations O-Control Room Ops 50-528/199900100

## Organizational Issues IR

Number of items: 1

Percent of total: .66

21-Staffing LTA W-Work Control / Sc M-Maint / Repair 50-528/1998010

## 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: 18

Percent of total: 11.84

13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-528/1998010
13-Procedure has hu	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-528/1999006
12-Procedure techni	G-Engineering	G-Design	50-528/1999011
13-Procedure has hu	G-Engineering	G-Design	50-528/1999011
12-Procedure techni	G-Engineering	G-Design	50-528/1999011
12-Procedure techni	G-Engineering	G-Design	50-528/1999011
12-Procedure techni	G-Engineering	G-Design	50-528/1999011

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## Procedures and Reference Document IR

Number of items: 18

Percent of Total: 11.84

11-No procedure / r	G-Engineering	G-Design	50-528/1999011
13-Procedure has hu	G-Engineering	G-Design	50-528/1999011
13-Procedure has hu	G-Engineering	G-Design	50-528/1999011
13-Procedure has hu	G-Engineering	G-Design	50-528/1999011
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-528/1999012
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-528/1999012
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-528/1999012
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-528/1999016
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-528/1999020
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-528/1999020

## Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

## Procedures and Reference Document LER

Number of items: 0

Percent of total: 0

## Training IR

Number of items: 12  
 Percent of total: 7.89

04-Task Qualificati	W-Work Control / Sc	Z-Other	50-528/1998010
02-Training LTA	T-Training	F-Modification	50-528/1998010
05-Individual knowl	O-Operations	Z-Other	50-528/1998301
05-Individual knowl	O-Operations	Z-Other	50-528/1998301
05-Individual knowl	O-Operations	Z-Other	50-528/1998301
05-Individual knowl	O-Operations	Z-Other	50-528/1998301
02-Training LTA	T-Training	Z-Other	50-528/1998301
06-Simulator fideli	T-Training	Z-Other	50-528/1998301
06-Simulator fideli	T-Training	Z-Other	50-528/1998301
06-Simulator fideli	T-Training	Z-Other	50-528/1998301
02-Training LTA	T-Training	M-Maint / Repair	50-528/1999012
02-Training LTA	T-Training	Z-Other	50-528/1999017

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: 84  
 Percent of total: 55.26

93-Awareness or att	C-Chemistry	B-Bal of Plant Ops	50-528/1998009
83-Work practice or	G-Engineering	Z-Other	50-528/1998009
83-Work practice or	G-Engineering	Z-Other	50-528/1998009
83-Work practice or	G-Engineering	Z-Other	50-528/1998009

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Work Factors IR  
 Number of items: 84  
 Percent of Total: 55.26

93-Awareness or att	G-Engineering	A-Administrative	50-528/1998009
93-Awareness or att	G-Engineering	A-Administrative	50-528/1998009
86-Work untimely	G-Engineering	Z-Other	50-528/1998009
86-Work untimely	G-Engineering	Z-Other	50-528/1998009
83-Work practice or	G-Engineering	G-Design	50-528/1998009
93-Awareness or att	W-Work Control / Sc	F-Modification	50-528/1998009
91-Verification / p	W-Work Control / Sc	F-Modification	50-528/1998009
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-528/1998010
81-Work Package Qua	W-Work Control / Sc	F-Modification	50-528/1998010
93-Awareness or att	W-Work Control / Sc	F-Modification	50-528/1998010
91-Verification / p	W-Work Control / Sc	F-Modification	50-528/1998010
83-Work practice or	M-Mechanical	F-Modification	50-528/1998010
81-Work Package Qua	W-Work Control / Sc	F-Modification	50-528/1998010
81-Work Package Qua	W-Work Control / Sc	F-Modification	50-528/1998010
91-Verification / p	G-Engineering	F-Modification	50-528/1998010
91-Verification / p	W-Work Control / Sc	F-Modification	50-528/1998010
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-528/1998010
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-528/1998010
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-528/1998010
83-Work practice or	O-Operations	Z-Other	50-528/1998301
84-Non-conserv. dec	O-Operations	D-Emergency Drill	50-528/1999001
82-Briefing, prep.	O-Operations	D-Emergency Drill	50-528/1999001
93-Awareness or att	O-Operations	D-Emergency Drill	50-528/1999001
91-Verification / p	O-Operations	D-Emergency Drill	50-528/1999001
92-Self check LTA	O-Operations	D-Emergency Drill	50-528/1999001
93-Awareness or att	O-Operations	D-Emergency Drill	50-528/1999001
93-Awareness or att	O-Operations	D-Emergency Drill	50-528/1999001
94-Log-keeping or r	O-Operations	D-Emergency Drill	50-528/1999001
82-Briefing, prep.	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
85-Team interaction	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
82-Briefing, prep.	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
93-Awareness or att	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
84-Non-conserv. dec	H-Health Physics	D-Emergency Drill	50-528/1999001
94-Log-keeping or r	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
83-Work practice or	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
83-Work practice or	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
83-Work practice or	D-Emergency Plannin	D-Emergency Drill	50-528/1999001
93-Awareness or att	H-Health Physics	D-Emergency Drill	50-528/1999001

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83-Work practice or T-Training	H-Health Physics	50-528/1999002
83-Work practice or O-Operations	H-Health Physics	50-528/1999002
84-Non-conserv. dec O-Operations	V-Troubleshooting	50-528/1999004
93-Awareness or att O-Operations	V-Troubleshooting	50-528/1999004
93-Awareness or att O-Operations	V-Troubleshooting	50-528/1999004
93-Awareness or att G-Engineering	Z-Other	50-528/1999004
93-Awareness or att G-Engineering	Z-Other	50-528/1999004
91-Verification / p W-Work Control / Sc	F-Modification	50-528/1999004
91-Verification / p W-Work Control / Sc	F-Modification	50-528/1999004
81-Work Package Qua G-Engineering	F-Modification	50-528/1999008
93-Awareness or att G-Engineering	G-Design	50-528/1999011
93-Awareness or att G-Engineering	G-Design	50-528/1999011

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Percent of Total: 55.26			
93-Awareness or att G-Engineering	G-Design		50-528/1999011
93-Awareness or att G-Engineering	G-Design		50-528/1999011
93-Awareness or att G-Engineering	G-Design		50-528/1999011
93-Awareness or att G-Engineering	G-Design		50-528/1999011
93-Awareness or att G-Engineering	G-Design		50-528/1999011
84-Non-conserv. dec G-Engineering	G-Design		50-528/1999011
83-Work practice or G-Engineering	G-Design		50-528/1999011
93-Awareness or att G-Engineering	G-Design		50-528/1999011
93-Awareness or att G-Engineering	A-Administrative		50-528/1999011
86-Work untimely G-Engineering	G-Design		50-528/1999011
86-Work untimely G-Engineering	G-Design		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
86-Work untimely A-Administrative Su	A-Administrative		50-528/1999011
93-Awareness or att G-Engineering	P-Procedure Dev		50-528/1999011
93-Awareness or att G-Engineering	P-Procedure Dev		50-528/1999011
93-Awareness or att M-Mechanical	M-Maint / Repair		50-528/1999012
84-Non-conserv. dec Z-Other	Z-Other		50-528/1999017
81-Work Package Qua G-Engineering	G-Design		50-528/1999017
81-Work Package Qua W-Work Control / Sc	M-Maint / Repair		50-528/1999020
93-Awareness or att W-Work Control / Sc	M-Maint / Repair		50-528/1999020
93-Awareness or att G-Engineering	A-Administrative		50-528/1999020

## Work Factors ER

Number of items: 2

Percent of total: 1.32

93-Awareness or att T-Training	Z-Other	50-528/1999301
93-Awareness or att T-Training	Z-Other	50-528/1999301

## Work Factors LER

Number of items: 5

Percent of total: 3.29

92-Self check LTA P-Procedure Writers	P-Procedure Dev	50-528/199900300
84-Non-conserv. dec O-Operations	S-Surveillance	50-528/199900400
91-Verification / p O-Operations	S-Surveillance	50-528/199900400
91-Verification / p O-Operations	S-Surveillance	50-528/199900400
91-Verification / p O-Operations	S-Surveillance	50-528/199900400

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[End of File for Plant Docket 528 (1999)]