

1999 Human Factors Information System Report for Plant Docket 529

Combined IR/ER/LER Report
Docket: 50-529 PALO VERDE 2

Total Number of Hits in Date Range: 146
From 01/01/1999 to 12/31/1999
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 13			
Percent of total: 8.9			
55-Communication	Eq	D-Emergency Plannin	D-Emergency Drill 50-529/1998010
		D-Emergency Plannin	
55-Communication	Eq	D-Emergency Plannin	D-Emergency Drill 50-529/1998010
		D-Emergency Plannin	
55-Communication	Eq	D-Emergency Plannin	D-Emergency Drill 50-529/1998010
		D-Emergency Plannin	
53-Communication	LT	O-Operations	D-Emergency Drill 50-529/1999001
		O-Operations	
53-Communication	LT	O-Operations	D-Emergency Drill 50-529/1999001
		O-Operations	
54-No communication		O-Operations	D-Emergency Drill 50-529/1999001
		O-Operations	
54-No communication		O-Operations	D-Emergency Drill 50-529/1999001
		O-Operations	
54-No communication		O-Operations	D-Emergency Drill 50-529/1999001
		O-Operations	
53-Communication	LT	D-Emergency Plannin	D-Emergency Drill 50-529/1999001
		D-Emergency Plannin	
53-Communication	LT	D-Emergency Plannin	D-Emergency Drill 50-529/1999001
		D-Emergency Plannin	
52-Communication	un	H-Health Physics	D-Emergency Drill 50-529/1999001
		H-Health Physics	
53-Communication	LT	H-Health Physics	D-Emergency Drill 50-529/1999001
		H-Health Physics	
53-Communication	LT	D-Emergency Plannin	D-Emergency Drill 50-529/1999001
		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: .68
76-Postings LTA H-Health Physics H-Health Physics 50-529/1999010

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: 11
Percent of total: 7.53
36-Scheduling and p W-Work Control / Sc M-Maint / Repair 50-529/1998010
Page: 1 Date:03/17/2000

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Management and Supervision IR

Number of items: 11
 Percent of Total: 7.53
 33-Management expect W-Work Control / Sc M-Maint / Repair 50-529/1998010
 32-Supervision / co M-Mechanical F-Modification 50-529/1998010
 32-Supervision / co O-Operations D-Emergency Drill 50-529/1999001
 32-Supervision / co D-Emergency Plannin D-Emergency Drill 50-529/1999001
 32-Supervision / co D-Emergency Plannin D-Emergency Drill 50-529/1999001
 40-Individual Corre P-Procedure Writers F-Modification 50-529/1999004
 40-Individual Corre P-Procedure Writers F-Modification 50-529/1999004
 40-Individual Corre P-Procedure Writers F-Modification 50-529/1999004
 42-No action planne O-Operations Z-Other 50-529/1999006
 44-Corrective Actio G-Engineering Z-Other 50-529/1999011

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: .68
 21-Staffing LTA W-Work Control / Sc M-Maint / Repair 50-529/1998010

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: 21
 Percent of total: 14.38
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-529/1998010
 13-Procedure has hu G-Engineering G-Design 50-529/1998010
 12-Procedure techni G-Engineering G-Design 50-529/1998010
 11-No procedure / r G-Engineering G-Design 50-529/1998010
 12-Procedure techni G-Engineering G-Design 50-529/1998010
 11-No procedure / r G-Engineering G-Design 50-529/1998010
 13-Procedure has hu D-Emergency Plannin D-Emergency Drill 50-529/1999001
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-529/1999006
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-529/1999006
 12-Procedure techni G-Engineering G-Design 50-529/1999011
 13-Procedure has hu G-Engineering G-Design 50-529/1999011
 12-Procedure techni G-Engineering G-Design 50-529/1999011
 12-Procedure techni G-Engineering G-Design 50-529/1999011
 11-No procedure / r G-Engineering G-Design 50-529/1999011
 13-Procedure has hu G-Engineering G-Design 50-529/1999011

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Procedures and Reference Document IR

Number of items: 21
 Percent of Total: 14.38
 13-Procedure has hu G-Engineering G-Design 50-529/1999011
 13-Procedure has hu G-Engineering G-Design 50-529/1999011
 12-Procedure techni P-Procedure Writers P-Procedure Dev 50-529/1999012
 13-Procedure has hu P-Procedure Writers P-Procedure Dev 50-529/1999012
 14-Document develop P-Procedure Writers P-Procedure Dev 50-529/1999012
 11-No procedure / r P-Procedure Writers P-Procedure Dev 50-529/1999016

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: 11
 Percent of total: 7.53

02-Training LTA	T-Training	F-Modification	50-529/1998010
05-Individual knowl	O-Operations	Z-Other	50-529/1998301
05-Individual knowl	O-Operations	Z-Other	50-529/1998301
05-Individual knowl	O-Operations	Z-Other	50-529/1998301
05-Individual knowl	O-Operations	Z-Other	50-529/1998301
02-Training LTA	T-Training	Z-Other	50-529/1998301
06-Simulator fideli	T-Training	Z-Other	50-529/1998301
06-Simulator fideli	T-Training	Z-Other	50-529/1998301
06-Simulator fideli	T-Training	Z-Other	50-529/1998301
02-Training LTA	T-Training	M-Maint / Repair	50-529/1999012
02-Training LTA	T-Training	Z-Other	50-529/1999017

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: 81
 Percent of total: 55.48

93-Awareness or att	G-Engineering	A-Administrative	50-529/1998009
93-Awareness or att	G-Engineering	A-Administrative	50-529/1998009
86-Work untimely	G-Engineering	Z-Other	50-529/1998009
86-Work untimely	G-Engineering	Z-Other	50-529/1998009
83-Work practice or	G-Engineering	G-Design	50-529/1998009
93-Awareness or att	W-Work Control / Sc	F-Modification	50-529/1998009
91-Verification / p	W-Work Control / Sc	F-Modification	50-529/1998009
93-Awareness or att	G-Engineering	F-Modification	50-529/1998010
84-Non-conserv. dec	G-Engineering	Z-Other	50-529/1998010

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Work Factors IR
 Number of items: 81
 Percent of Total: 55.48

83-Work practice or	M-Mechanical	F-Modification	50-529/1998010
81-Work Package Qua	W-Work Control / Sc	F-Modification	50-529/1998010
81-Work Package Qua	W-Work Control / Sc	F-Modification	50-529/1998010
91-Verification / p	G-Engineering	F-Modification	50-529/1998010
91-Verification / p	W-Work Control / Sc	F-Modification	50-529/1998010
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-529/1998010
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-529/1998010
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-529/1998010
84-Non-conserv. dec	G-Engineering	G-Design	50-529/1998010
93-Awareness or att	G-Engineering	G-Design	50-529/1998010
83-Work practice or	G-Engineering	G-Design	50-529/1998010
81-Work Package Qua	G-Engineering	G-Design	50-529/1998010
93-Awareness or att	G-Engineering	A-Administrative	50-529/1998010
83-Work practice or	O-Operations	Z-Other	50-529/1998301
84-Non-conserv. dec	O-Operations	D-Emergency Drill	50-529/1999001
82-Briefing, prep.	O-Operations	D-Emergency Drill	50-529/1999001
93-Awareness or att	O-Operations	D-Emergency Drill	50-529/1999001
91-Verification / p	O-Operations	D-Emergency Drill	50-529/1999001
92-Self check LTA	O-Operations	D-Emergency Drill	50-529/1999001
93-Awareness or att	O-Operations	D-Emergency Drill	50-529/1999001
93-Awareness or att	O-Operations	D-Emergency Drill	50-529/1999001
94-Log-keeping or r	O-Operations	D-Emergency Drill	50-529/1999001
82-Briefing, prep.	D-Emergency Plannin	D-Emergency Drill	50-529/1999001
85-Team interaction	D-Emergency Plannin	D-Emergency Drill	50-529/1999001
82-Briefing, prep.	D-Emergency Plannin	D-Emergency Drill	50-529/1999001
93-Awareness or att	D-Emergency Plannin	D-Emergency Drill	50-529/1999001
84-Non-conserv. dec	H-Health Physics	D-Emergency Drill	50-529/1999001
94-Log-keeping or r	D-Emergency Plannin	D-Emergency Drill	50-529/1999001
83-Work practice or	D-Emergency Plannin	D-Emergency Drill	50-529/1999001
83-Work practice or	D-Emergency Plannin	D-Emergency Drill	50-529/1999001
83-Work practice or	D-Emergency Plannin	D-Emergency Drill	50-529/1999001
93-Awareness or att	H-Health Physics	D-Emergency Drill	50-529/1999001
83-Work practice or	T-Training	H-Health Physics	50-529/1999002
83-Work practice or	O-Operations	H-Health Physics	50-529/1999002

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84-Non-conserv. dec	G-Engineering	Z-Other	50-529/1999004
83-Work practice or	O-Operations	S-Surveillance	50-529/1999006
93-Awareness or att	G-Engineering	R-Refueling	50-529/1999006
91-Verification / p	G-Engineering	R-Refueling	50-529/1999006
93-Awareness or att	H-Health Physics	A-Administrative	50-529/1999007
93-Awareness or att	H-Health Physics	A-Administrative	50-529/1999007
82-Briefing, prep.	H-Health Physics	H-Health Physics	50-529/1999007
93-Awareness or att	G-Engineering	T-Testing	50-529/1999008
93-Awareness or att	G-Engineering	G-Design	50-529/1999011
93-Awareness or att	G-Engineering	G-Design	50-529/1999011
93-Awareness or att	G-Engineering	G-Design	50-529/1999011
93-Awareness or att	G-Engineering	G-Design	50-529/1999011
93-Awareness or att	G-Engineering	G-Design	50-529/1999011
93-Awareness or att	G-Engineering	G-Design	50-529/1999011
93-Awareness or att	G-Engineering	G-Design	50-529/1999011
84-Non-conserv. dec	G-Engineering	G-Design	50-529/1999011

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Percent of Total: 55.48			
83-Work practice or	G-Engineering	G-Design	50-529/1999011
93-Awareness or att	G-Engineering	G-Design	50-529/1999011
94-Log-keeping or r	O-Operations	A-Administrative	50-529/1999011
94-Log-keeping or r	O-Operations	A-Administrative	50-529/1999011
86-Work untimely	G-Engineering	G-Design	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
86-Work untimely	A-Administrative	Su A-Administrative	50-529/1999011
93-Awareness or att	G-Engineering	P-Procedure Dev	50-529/1999011
93-Awareness or att	G-Engineering	P-Procedure Dev	50-529/1999011
93-Awareness or att	O-Operations	O-Control Room Ops	50-529/1999012
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-529/1999012
84-Non-conserv. dec	Z-Other	Z-Other	50-529/1999017
81-Work Package Qua	G-Engineering	G-Design	50-529/1999017

Work Factors ER

Number of items: 2

Percent of total: 1.37

93-Awareness or att	T-Training	Z-Other	50-529/1999301
93-Awareness or att	T-Training	Z-Other	50-529/1999301

Work Factors LER

Number of items: 5

Percent of total: 3.42

92-Self check LTA	G-Engineering	R-Refueling	50-529/199900300
91-Verification / p	G-Engineering	R-Refueling	50-529/199900300
83-Work practice or	I-Instrumentation &	T-Testing	50-529/199900600
92-Self check LTA	I-Instrumentation &	T-Testing	50-529/199900600
92-Self check LTA	P-Procedure Writers	P-Procedure Dev	50-528/199900300

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[End of File for Plant Docket 529 (1999)]