

# 1998 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: 79  
From 01/01/1998 to 12/31/1998  
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 6			
Percent of total: 7.59			
52-Communication un	F-Fuel Handling	R-Refueling	50-528/1998002
	F-Fuel Handling		
54-No communication	O-Operations	O-Control Room Ops	50-528/1998004
	O-Operations		
51-Misunderstood /	D-Emergency Plannin	D-Emergency Drill	50-528/1998004
	D-Emergency Plannin		
53-Communication LT	H-Health Physics	H-Health Physics	50-528/1998006
	H-Health Physics		
52-Communication un	H-Health Physics	H-Health Physics	50-528/1998006
	H-Health Physics		
52-Communication un	O-Operations	O-Control Room Ops	50-528/1998007
	O-Operations		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 2			
Percent of total: 2.53			
53-Communication LT	Z-Other	P-Procedure Dev	50-528/199800601
	Z-Other		
53-Communication LT	M-Mechanical	P-Procedure Dev	50-528/199800601
	M-Mechanical		
Human-System Interface and Environm IR			
Number of items: 2			
Percent of total: 2.53			
72-Lighting LTA	I-Instrumentation &	M-Maint / Repair	50-528/1997018
71-Temperature / Hu	G-Engineering	Z-Other	50-528/1998002
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: 1.27			
68-Too much informa	O-Operations	O-Control Room Ops	50-528/199800100
Management and Supervision IR			
Number of items: 7			
Percent of total: 8.86			
47-Root Cause LTA	G-Engineering	Z-Other	50-528/1998002
40-Individual Corre	D-Emergency Plannin	D-Emergency Drill	50-528/1998004
48-Audits or proble	D-Emergency Plannin	Z-Other	50-528/1998004
47-Root Cause LTA	G-Engineering	Z-Other	50-528/1998006
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-528/1998007
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Management and Supervision IR			
Number of items: 7			
Percent of Total: 8.86			
40-Individual Corre	H-Health Physics	A-Administrative	50-528/1998011
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-528/1998015

## Management and Supervision ER

Number of items: 0  
Percent of total: 0

## Management and Supervision LER

Number of items: 2  
Percent of total: 2.53

43-Operating Experi	M-Mechanical	M-Maint / Repair	50-528/199800601
43-Operating Experi	M-Mechanical	T-Testing	50-528/199800601

## Organizational Issues IR

Number of items: 0  
Percent of total: 0

## 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: 8.86

13-Procedure has hu	G-Engineering	G-Design	50-528/1998002
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-528/1998003
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-528/1998004
11-No procedure / r	D-Emergency Plannin	P-Procedure Dev	50-528/1998004
11-No procedure / r	G-Engineering	G-Design	50-528/1998006
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-528/1998014
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-528/1998015

## 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: 5.06

12-Procedure techni	I-Instrumentation &	T-Testing	50-528/199800100
12-Procedure techni	M-Mechanical	M-Maint / Repair	50-528/199800601
12-Procedure techni	M-Mechanical	T-Testing	50-528/199800601
12-Procedure techni	Z-Other	Z-Other	50-528/199800601

## Training IR

Number of items: 3  
Percent of total: 3.8

05-Individual knowl	O-Operations	A-Administrative	50-528/1998002
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## Training IR

Number of items: 3  
Percent of Total: 3.8

05-Individual knowl	D-Emergency Plannin	D-Emergency Drill	50-528/1998004
05-Individual knowl	O-Operations	O-Control Room Ops	50-528/1998014

## 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: 42  
Percent of total: 53.16

93-Awareness or att	E-Electrical	A-Administrative	50-528/1997018
84-Non-conserv. dec	F-Fuel Handling	R-Refueling	50-528/1998002
93-Awareness or att	O-Operations	A-Administrative	50-528/1998002
83-Work practice or	O-Operations	A-Administrative	50-528/1998002

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94-Log-keeping or r	O-Operations	A-Administrative	50-528/1998002
94-Log-keeping or r	O-Operations	A-Administrative	50-528/1998002
81-Work Package Qua	G-Engineering	F-Modification	50-528/1998002
83-Work practice or	T-Training	A-Administrative	50-528/1998002
93-Awareness or att	O-Operations	M-Maint / Repair	50-528/1998003
91-Verification / p	O-Operations	M-Maint / Repair	50-528/1998003
83-Work practice or	G-Engineering	A-Administrative	50-528/1998003
83-Work practice or	G-Engineering	F-Modification	50-528/1998003
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-528/1998004
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-528/1998004
83-Work practice or	I-Instrumentation &	M-Maint / Repair	50-528/1998004
93-Awareness or att	W-Work Control / Sc	T-Testing	50-528/1998004
93-Awareness or att	I-Instrumentation &	T-Testing	50-528/1998004
93-Awareness or att	M-Mechanical	A-Administrative	50-528/1998005
83-Work practice or	U-Unknown	H-Health Physics	50-528/1998005
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-528/1998006
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-528/1998006
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-528/1998006
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-528/1998006
92-Self check LTA	O-Operations	B-Bal of Plant Ops	50-528/1998006
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-528/1998006
83-Work practice or	M-Mechanical	H-Health Physics	50-528/1998006
84-Non-conserv. dec	G-Engineering	Z-Other	50-528/1998006
84-Non-conserv. dec	H-Health Physics	H-Health Physics	50-528/1998006
84-Non-conserv. dec	H-Health Physics	H-Health Physics	50-528/1998006
83-Work practice or	H-Health Physics	H-Health Physics	50-528/1998006
83-Work practice or	O-Operations	M-Maint / Repair	50-528/1998007
84-Non-conserv. dec	G-Engineering	G-Design	50-528/1998007
86-Work untimely	O-Operations	A-Administrative	50-528/1998012
83-Work practice or	G-Engineering	H-Other	50-528/1998012
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-528/1998014
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-528/1998014

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Work Factors IR			
Number of items: 42			
Percent of Total: 53.16			
81-Work Package Qua	G-Engineering	F-Modification	50-528/1998014
81-Work Package Qua	G-Engineering	G-Design	50-528/1998014
81-Work Package Qua	G-Engineering	G-Design	50-528/1998014
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-528/1998015
88-Tag outs LTA	M-Mechanical	M-Maint / Repair	50-528/1998015
93-Awareness or att	G-Engineering	F-Modification	50-528/1998015

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

Work Factors LER			
Number of items: 3			
Percent of total: 3.8			
91-Verification / p	I-Instrumentation &	T-Testing	50-528/199800500
92-Self check LTA	M-Mechanical	M-Maint / Repair	50-528/199800601
92-Self check LTA	G-Engineering	G-Design	50-528/199800601

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**[End of File for Plant Docket 528 (1998)]**