

# 1998 Human Factors Information System Report for Plant Docket 361

Combined IR/ER/LER Report  
Docket: 50-361 SAN ONOFRE 2

Total Number of Hits in Date Range: 94  
From 01/01/1998 to 12/31/1998  
2x National Average: 255

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 4			
Percent of total: 4.26			
53-Communication LT	O-Operations	O-Control Room Ops	50-361/1997027
	O-Operations		
53-Communication LT	O-Operations	O-Control Room Ops	50-361/1998003
	O-Operations		
53-Communication LT	W-Work Control / Sc	M-Maint / Repair	50-361/1998003
	W-Work Control / Sc		
54-No communication	M-Mechanical	M-Maint / Repair	50-361/1998004
	M-Mechanical		

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: 4  
Percent of total: 4.26

61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-361/1997027
61-Labels LTA	O-Operations	O-Control Room Ops	50-361/1997027
61-Labels LTA	O-Operations	B-Bal of Plant Ops	50-361/1997027
61-Labels LTA	O-Operations	O-Control Room Ops	50-361/1997027

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: 2  
Percent of total: 2.13

41-Action not begun	O-Operations	Q-Fire Protection	50-361/1997027
41-Action not begun	O-Operations	Z-Other	50-361/1998005

Management and Supervision ER

Number of items: 2  
Percent of total: 2.13

32-Supervision / co	O-Operations	Z-Other	50-361/1998301
32-Supervision / co	O-Operations	Z-Other	50-361/1998301

Management and Supervision LER

Number of items: 2  
Percent of total: 2.13

32-Supervision / co	U-Unknown	K-Housekeeping	50-361/199800700
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Management and Supervision LER			
Number of items: 2			
Percent of Total: 2.13			
44-Corrective Actio	G-Engineering	G-Design	50-361/199801001

## 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: 19  
Percent of total: 20.21

12-Procedure techni	G-Engineering	G-Design	50-361/1997022
12-Procedure techni	G-Engineering	G-Design	50-361/1997022
12-Procedure techni	G-Engineering	G-Design	50-361/1997027
13-Procedure has hu	G-Engineering	G-Design	50-361/1998001
13-Procedure has hu	G-Engineering	G-Design	50-361/1998003
13-Procedure has hu	G-Engineering	G-Design	50-361/1998003
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998004
13-Procedure has hu	D-Emergency Plannin	P-Procedure Dev	50-361/1998004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998005
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-361/1998006
11-No procedure / r	P-Procedure Writers	P-Procedure Dev	50-361/1998006
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998007
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998007
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998007
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998007
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-361/1998013
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-361/1998013
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-361/1998013

## Procedures and Reference Document ER

Number of items: 0  
Percent of total: 0

## Procedures and Reference Document LER

Number of items: 2  
Percent of total: 2.13

12-Procedure techni	I-Instrumentation &	M-Maint / Repair	50-361/199800101
12-Procedure techni	U-Unknown	K-Housekeeping	50-361/199800700

## Training IR

Number of items: 8  
Percent of total: 8.51

02-Training LTA	T-Training	P-Procedure Dev	50-361/1998001
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## Training IR

Number of items: 8  
Percent of Total: 8.51

05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-361/1998004
02-Training LTA	T-Training	Z-Other	50-361/1998004
05-Individual knowl	O-Operations	O-Control Room Ops	50-361/1998004
05-Individual knowl	G-Engineering	O-Control Room Ops	50-361/1998004
05-Individual knowl	M-Mechanical	H-Health Physics	50-361/1998006
05-Individual knowl	H-Health Physics	H-Health Physics	50-361/1998006
06-Simulator fideli	T-Training	D-Emergency Drill	50-361/1998013

## Training ER

Number of items: 4  
Percent of total: 4.26

05-Individual knowl	O-Operations	Z-Other	50-361/1998301
06-Simulator fideli	T-Training	Z-Other	50-361/1998301
05-Individual knowl	O-Operations	Z-Other	50-361/1998301
05-Individual knowl	O-Operations	Z-Other	50-361/1998301

## Training LER

Number of items: 0

Percent of total: 0

## Work Factors IR

Number of items: 42

Percent of total: 44.68

81-Work Package Qua	G-Engineering	G-Design	50-361/1997022
81-Work Package Qua	G-Engineering	G-Design	50-361/1997022
83-Work practice or	G-Engineering	G-Design	50-361/1997022
83-Work practice or	G-Engineering	G-Design	50-361/1997022
83-Work practice or	G-Engineering	G-Design	50-361/1997022
83-Work practice or	G-Engineering	A-Administrative	50-361/1997022
83-Work practice or	G-Engineering	G-Design	50-361/1997022
83-Work practice or	G-Engineering	G-Design	50-361/1997022
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-361/1997027
93-Awareness or att	C-Chemistry	B-Bal of Plant Ops	50-361/1997027
93-Awareness or att	O-Operations	Q-Fire Protection	50-361/1997027
81-Work Package Qua	G-Engineering	G-Design	50-361/1997027
93-Awareness or att	O-Operations	O-Control Room Ops	50-361/1997027
92-Self check LTA	O-Operations	O-Control Room Ops	50-361/1997027
93-Awareness or att	O-Operations	O-Control Room Ops	50-361/1998003
94-Log-keeping or r	O-Operations	M-Maint / Repair	50-361/1998003
84-Non-conserv. dec	O-Operations	S-Surveillance	50-361/1998003
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-361/1998003
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-361/1998003
83-Work practice or	M-Mechanical	M-Maint / Repair	50-361/1998003
93-Awareness or att	Q-QA/QC	M-Maint / Repair	50-361/1998003
93-Awareness or att	G-Engineering	M-Maint / Repair	50-361/1998003
83-Work practice or	M-Mechanical	Z-Other	50-361/1998003
93-Awareness or att	O-Operations	O-Control Room Ops	50-361/1998004
92-Self check LTA	M-Mechanical	M-Maint / Repair	50-361/1998004
93-Awareness or att	I-Instrumentation &	V-Troubleshooting	50-361/1998004
93-Awareness or att	I-Instrumentation &	V-Troubleshooting	50-361/1998004

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## Work Factors IR

Number of items: 42

Percent of Total: 44.68

82-Briefing, prep.	H-Health Physics	D-Emergency Drill	50-361/1998006
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-361/1998007
93-Awareness or att	O-Operations	P-Procedure Dev	50-361/1998007
93-Awareness or att	O-Operations	P-Procedure Dev	50-361/1998007
93-Awareness or att	O-Operations	O-Control Room Ops	50-361/1998013
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-361/1998013
93-Awareness or att	G-Engineering	A-Administrative	50-361/1998013
93-Awareness or att	G-Engineering	A-Administrative	50-361/1998013
93-Awareness or att	G-Engineering	A-Administrative	50-361/1998013
93-Awareness or att	G-Engineering	G-Design	50-361/1998013
93-Awareness or att	G-Engineering	G-Design	50-361/1998013
93-Awareness or att	G-Engineering	G-Design	50-361/1998013
93-Awareness or att	G-Engineering	G-Design	50-361/1998013
93-Awareness or att	G-Engineering	G-Design	50-361/1998013
81-Work Package Qua	G-Engineering	G-Design	50-361/1998013
94-Log-keeping or r	D-Emergency Plannin	D-Emergency Drill	50-361/1998013

## Work Factors ER

Number of items: 0

Percent of total: 0

## Work Factors LER

Number of items: 5

Percent of total: 5.32

83-Work practice or	U-Unknown	M-Maint / Repair	50-361/199800101
83-Work practice or	C-Chemistry	T-Testing	50-361/199800400
91-Verification / p	C-Chemistry	T-Testing	50-361/199800400
84-Non-conserv. dec	G-Engineering	G-Design	50-361/199800500
93-Awareness or att	G-Engineering	G-Design	50-361/199801301

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