

# 1999 Human Factors Information System Report for Plant Docket 362

Combined IR/ER/LER Report  
Docket: 50-362 SAN ONOFRE 3

Total Number of Hits in Date Range: 111  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 9			
Percent of total: 8.11			
51-Misunderstood /	O-Operations	S-Surveillance	50-362/1998019
	O-Operations		
51-Misunderstood /	I-Instrumentation &	S-Surveillance	50-362/1998019
	I-Instrumentation &		
54-No communication	G-Engineering	F-Modification	50-362/1998019
	G-Engineering		
53-Communication LT	O-Operations	M-Maint / Repair	50-362/1999003
	O-Operations		
53-Communication LT	E-Electrical	M-Maint / Repair	50-362/1999003
	E-Electrical		
53-Communication LT	M-Mechanical	M-Maint / Repair	50-362/1999005
	M-Mechanical		
53-Communication LT	O-Operations	O-Control Room Ops	50-362/1999006
	O-Operations		
53-Communication LT	O-Operations	O-Control Room Ops	50-362/1999006
	O-Operations		
53-Communication LT	O-Operations	O-Control Room Ops	50-362/1999006
	O-Operations		

Communications ER  
Number of items: 0  
Percent of total: 0

Communications LER  
Number of items: 0  
Percent of total: 0

Details	Department	Work Type	Docket/Report
Human-System Interface and Environm IR			
Number of items: 1			
Percent of total: .9			
62-Information orga	O-Operations	Z-Other	50-362/1998302

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

Details	Department	Work Type	Docket/Report
Management and Supervision IR			
Number of items: 14			
Percent of total: 12.61			
41-Action not begun	G-Engineering	Z-Other	50-362/1998014
41-Action not begun	G-Engineering	Z-Other	50-362/1998014
47-Root Cause LTA	G-Engineering	Z-Other	50-362/1998018
36-Scheduling and p	O-Operations	O-Control Room Ops	50-362/1999003
36-Scheduling and p	O-Operations	O-Control Room Ops	50-362/1999003

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Management and Supervision IR			
Number of items: 14			
Percent of Total: 12.61			
47-Root Cause LTA	O-Operations	Z-Other	50-362/1999003
47-Root Cause LTA	O-Operations	Z-Other	50-362/1999003

## Human Factors Information System Report

40-Individual Corre	M-Mechanical	Z-Other	50-362/1999004
36-Scheduling and p	H-Health Physics	M-Maint / Repair	50-362/1999005
32-Supervision / co	O-Operations	M-Maint / Repair	50-362/1999006
32-Supervision / co	O-Operations	M-Maint / Repair	50-362/1999006
41-Action not begun	M-Mechanical	Z-Other	50-362/1999006
40-Individual Corre	G-Engineering	Z-Other	50-362/1999009
43-Operating Experi	T-Training	Z-Other	50-362/1999010

## 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: 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: 13

Percent of total: 11.71

12-Procedure techni	G-Engineering	G-Design	50-362/1998014
13-Procedure has hu	G-Engineering	G-Design	50-362/1998014
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-362/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-362/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-362/1999003
12-Procedure techni	G-Engineering	G-Design	50-362/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-362/1999004
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1999009
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-362/1999009
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-362/1999009
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-362/1999009
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-362/1999009

## Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

## Procedures and Reference Document LER

Number of items: 1

Percent of total: .9

12-Procedure techni	E-Electrical	F-Modification	50-361/199900500
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## Training IR

Number of items: 9

Percent of total: 8.11

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## Training IR

Number of items: 9

Percent of Total: 8.11

02-Training LTA	T-Training	B-Bal of Plant Ops	50-362/1998018
02-Training LTA	T-Training	Z-Other	50-362/1998302
05-Individual knowl	E-Electrical	M-Maint / Repair	50-362/1999003
05-Individual knowl	G-Engineering	M-Maint / Repair	50-362/1999003
05-Individual knowl	G-Engineering	M-Maint / Repair	50-362/1999003
02-Training LTA	T-Training	Z-Other	50-362/1999003
05-Individual knowl	M-Mechanical	M-Maint / Repair	50-362/1999005
03-Training process	T-Training	A-Administrative	50-362/1999010
03-Training process	T-Training	Z-Other	50-362/1999010

## Training ER

Number of items: 1  
 Percent of total: .9  
 03-Training process T-Training Z-Other 50-362/1999301

Training LER  
 Number of items: 0  
 Percent of total: 0

Work Factors IR  
 Number of items: 59  
 Percent of total: 53.15  
 83-Work practice or G-Engineering G-Design 50-362/1998014  
 83-Work practice or G-Engineering G-Design 50-362/1998014  
 84-Non-conserv. dec G-Engineering G-Design 50-362/1998014  
 83-Work practice or O-Operations B-Bal of Plant Ops 50-362/1998018  
 83-Work practice or O-Operations B-Bal of Plant Ops 50-362/1998018  
 93-Awareness or att W-Work Control / Sc T-Testing 50-362/1998019  
 83-Work practice or U-Unknown K-Housekeeping 50-362/1998019  
 93-Awareness or att O-Operations Z-Other 50-362/1998302  
 93-Awareness or att O-Operations Z-Other 50-362/1998302  
 84-Non-conserv. dec O-Operations Z-Other 50-362/1998302  
 84-Non-conserv. dec O-Operations Z-Other 50-362/1998302  
 93-Awareness or att O-Operations Z-Other 50-362/1998302  
 93-Awareness or att O-Operations Z-Other 50-362/1998302  
 93-Awareness or att O-Operations Z-Other 50-362/1998302  
 81-Work Package Qua T-Training Z-Other 50-362/1998302  
 81-Work Package Qua T-Training Z-Other 50-362/1998302  
 93-Awareness or att T-Training Z-Other 50-362/1998302  
 93-Awareness or att T-Training Z-Other 50-362/1998302  
 93-Awareness or att T-Training Z-Other 50-362/1998302  
 93-Awareness or att T-Training Z-Other 50-362/1998302  
 91-Verification / p T-Training Z-Other 50-362/1998302  
 93-Awareness or att Z-Other Z-Other 50-362/1998302  
 86-Work untimely O-Operations O-Control Room Ops 50-362/1999001  
 84-Non-conserv. dec O-Operations O-Control Room Ops 50-362/1999001  
 84-Non-conserv. dec O-Operations O-Control Room Ops 50-362/1999001  
 93-Awareness or att W-Work Control / Sc M-Maint / Repair 50-362/1999003  
 84-Non-conserv. dec O-Operations M-Maint / Repair 50-362/1999003  
 84-Non-conserv. dec W-Work Control / Sc M-Maint / Repair 50-362/1999003  
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Work Factors IR			
Number of items: 59			
Percent of Total: 53.15			
84-Non-conserv. dec	E-Electrical	M-Maint / Repair	50-362/1999003
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-362/1999003
84-Non-conserv. dec	W-Work Control / Sc	M-Maint / Repair	50-362/1999003
84-Non-conserv. dec	E-Electrical	M-Maint / Repair	50-362/1999003
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-362/1999003
83-Work practice or	E-Electrical	M-Maint / Repair	50-362/1999003
83-Work practice or	E-Electrical	M-Maint / Repair	50-362/1999003
83-Work practice or	E-Electrical	M-Maint / Repair	50-362/1999003
93-Awareness or att	O-Operations	O-Control Room Ops	50-362/1999004
93-Awareness or att	G-Engineering	G-Design	50-362/1999004
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-362/1999005
84-Non-conserv. dec	H-Health Physics	M-Maint / Repair	50-362/1999005
84-Non-conserv. dec	H-Health Physics	M-Maint / Repair	50-362/1999005
82-Briefing, prep.	M-Mechanical	M-Maint / Repair	50-362/1999005
83-Work practice or	H-Health Physics	M-Maint / Repair	50-362/1999005
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-362/1999006
84-Non-conserv. dec	G-Engineering	G-Design	50-362/1999006
93-Awareness or att	F-Fuel Handling	K-Housekeeping	50-362/1999006
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-362/1999008
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-362/1999008
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-362/1999008
86-Work untimely	O-Operations	D-Emergency Drill	50-362/1999009
93-Awareness or att	O-Operations	D-Emergency Drill	50-362/1999009
93-Awareness or att	G-Engineering	F-Modification	50-362/1999009
83-Work practice or	O-Operations	S-Surveillance	50-362/1999009
93-Awareness or att	G-Engineering	A-Administrative	50-362/1999009
93-Awareness or att	G-Engineering	A-Administrative	50-362/1999009
93-Awareness or att	G-Engineering	Z-Other	50-362/1999009
83-Work practice or	G-Engineering	G-Design	50-362/1999009

93-Awareness or att G-Engineering	A-Administrative	50-362/1999009
84-Non-conserv. dec T-Training	Z-Other	50-362/1999010

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

Work Factors LER  
Number of items: 4  
Percent of total: 3.6

83-Work practice or M-Mechanical	P-Procedure Dev	50-362/199900700
84-Non-conserv. dec O-Operations	F-Modification	50-361/199900500
84-Non-conserv. dec E-Electrical	F-Modification	50-361/199900500
81-Work Package Qua E-Electrical	F-Modification	50-361/199900500

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**[End of File for Plant Docket 362 (1999)]**

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