

# 1997 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: 121  
From 01/01/1997 to 12/31/1997  
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 8			
Percent of total: 6.61			
52-Communication un	O-Operations	U-Unknown	50-362/1996018
53-Communication LT	F-Fuel Handling	R-Refueling	50-362/1997009
	F-Fuel Handling		
54-No communication	G-Engineering	A-Administrative	50-362/1997011
	G-Engineering		
53-Communication LT	O-Operations	O-Control Room Ops	50-362/1997017
	O-Operations		
53-Communication LT	O-Operations	Z-Other	50-362/1997020
	O-Operations		
53-Communication LT	O-Operations	Z-Other	50-362/1997020
	O-Operations		
54-No communication	O-Operations	Z-Other	50-362/1997023
	O-Operations		
53-Communication LT	G-Engineering	G-Design	50-362/1997025
	G-Engineering		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 3			
Percent of total: 2.48			
53-Communication LT	O-Operations	T-Testing	50-361/199700100
53-Communication LT	O-Operations	T-Testing	50-361/199700100
53-Communication LT	G-Engineering	T-Testing	50-361/199700100
Human-System Interface and Environm IR			
Number of items: 1			
Percent of total: .83			
75-Work area LTA	F-Fuel Handling	R-Refueling	50-362/1997009
Human-System Interface and Environm ER			
Number of items: 0			
Percent of total: 0			
Human-System Interface and Environm LER			
Number of items: 3			
Percent of total: 2.48			
75-Work area LTA	O-Operations	T-Testing	50-361/199700100
75-Work area LTA	O-Operations	T-Testing	50-361/199700100
75-Work area LTA	G-Engineering	T-Testing	50-361/199700100
Management and Supervision IR			
Number of items: 16			
Percent of total: 13.22			
43-Operating Experi	G-Engineering	U-Unknown	50-362/1996013
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-362/1997006
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Management and Supervision IR			
Number of items: 16			
Percent of Total: 13.22			
33-Management expec	O-Operations	Q-Fire Protection	50-362/1997006

48-Audits or proble	O-Operations	Q-Fire Protection	50-362/1997006
32-Supervision / co	M-Mechanical	M-Maint / Repair	50-362/1997008
40-Individual Corre	G-Engineering	P-Procedure Dev	50-362/1997009
36-Scheduling and p	W-Work Control / Sc	R-Refueling	50-362/1997009
41-Action not begun	G-Engineering	P-Procedure Dev	50-362/1997009
40-Individual Corre	G-Engineering	Z-Other	50-362/1997009
33-Management expec	B-Plant Management	A-Administrative	50-362/1997012
41-Action not begun	G-Engineering	Z-Other	50-362/1997015
32-Supervision / co	O-Operations	O-Control Room Ops	50-362/1997017
32-Supervision / co	O-Operations	O-Control Room Ops	50-362/1997017
33-Management expec	O-Operations	S-Surveillance	50-362/1997017
32-Supervision / co	O-Operations	Z-Other	50-362/1997020
41-Action not begun	T-Training	Z-Other	50-362/1997020

## 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: 19  
Percent of total: 15.7

14-Document develop	G-Engineering	U-Unknown	50-362/1996013
11-No procedure / r	O-Operations	U-Unknown	50-362/1997002
11-No procedure / r	M-Mechanical	U-Unknown	50-362/1997002
12-Procedure techni	G-Engineering	G-Design	50-362/1997006
13-Procedure has hu	G-Engineering	G-Design	50-362/1997009
13-Procedure has hu	G-Engineering	G-Design	50-362/1997009
12-Procedure techni	G-Engineering	G-Design	50-362/1997009
12-Procedure techni	G-Engineering	G-Design	50-362/1997009
12-Procedure techni	G-Engineering	G-Design	50-362/1997009
12-Procedure techni	G-Engineering	G-Design	50-362/1997009
12-Procedure techni	G-Engineering	G-Design	50-362/1997009
12-Procedure techni	G-Engineering	G-Design	50-362/1997009
12-Procedure techni	G-Engineering	R-Refueling	50-362/1997009

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## Procedures and Reference Document IR

Number of items: 19  
Percent of Total: 15.7

12-Procedure techni	G-Engineering	S-Surveillance	50-362/1997009
11-No procedure / r	H-Health Physics	H-Health Physics	50-362/1997009
13-Procedure has hu	G-Engineering	G-Design	50-362/1997017
12-Procedure techni	G-Engineering	G-Design	50-362/1997017
12-Procedure techni	G-Engineering	G-Design	50-362/1997017
12-Procedure techni	G-Engineering	G-Design	50-362/1997017
11-No procedure / r	O-Operations	A-Administrative	50-362/1997020

## Procedures and Reference Document ER

Number of items: 0  
Percent of total: 0

## Procedures and Reference Document LER

Number of items: 8  
Percent of total: 6.61

12-Procedure techni	O-Operations	T-Testing	50-361/199700100
13-Procedure has hu	O-Operations	T-Testing	50-361/199700100
12-Procedure techni	O-Operations	T-Testing	50-361/199700100
13-Procedure has hu	O-Operations	T-Testing	50-361/199700100

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12-Procedure techni	G-Engineering	T-Testing	50-361/199700100
13-Procedure has hu	G-Engineering	T-Testing	50-361/199700100
12-Procedure techni	O-Operations	A-Administrative	50-361/199700700
12-Procedure techni	O-Operations	T-Testing	50-361/199700700

## Training IR

Number of items: 9

Percent of total: 7.44

05-Individual knowl	O-Operations	O-Control Room Ops	50-362/1997005
02-Training LTA	T-Training	S-Surveillance	50-362/1997005
02-Training LTA	T-Training	M-Maint / Repair	50-362/1997006
01-No Training	O-Operations	Q-Fire Protection	50-362/1997006
02-Training LTA	T-Training	R-Refueling	50-362/1997009
02-Training LTA	T-Training	O-Control Room Ops	50-362/1997017
05-Individual knowl	O-Operations	O-Control Room Ops	50-362/1997017
03-Training process	T-Training	Z-Other	50-362/1997020
05-Individual knowl	O-Operations	O-Control Room Ops	50-362/1997023

## 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: 51

Percent of total: 42.15

87-Non-conservati	G-Engineering	U-Unknown	50-362/1996013
87-Non-conservati	O-Operations	U-Unknown	50-362/1996018

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## Work Factors IR

Number of items: 51

Percent of Total: 42.15

91-Verification / p	O-Operations	U-Unknown	50-362/1996018
83-Work practice or	O-Operations	O-Control Room Ops	50-362/1997005
81-Work Package Qua	W-Work Control / Sc	S-Surveillance	50-362/1997005
89-Housekeeping LTA	U-Unknown	M-Maint / Repair	50-362/1997006
89-Housekeeping LTA	U-Unknown	M-Maint / Repair	50-362/1997006
83-Work practice or	E-Electrical	M-Maint / Repair	50-362/1997006
86-Work untimely	G-Engineering	A-Administrative	50-362/1997006
83-Work practice or	Z-Other	Z-Other	50-362/1997006
83-Work practice or	U-Unknown	Q-Fire Protection	50-362/1997006
83-Work practice or	M-Mechanical	M-Maint / Repair	50-362/1997008
83-Work practice or	Q-QA/QC	T-Testing	50-362/1997008
83-Work practice or	O-Operations	S-Surveillance	50-362/1997009
84-Non-conserv. dec	F-Fuel Handling	R-Refueling	50-362/1997009
83-Work practice or	M-Mechanical	M-Maint / Repair	50-362/1997009
83-Work practice or	M-Mechanical	H-Health Physics	50-362/1997009
93-Awareness or att	M-Mechanical	H-Health Physics	50-362/1997009
83-Work practice or	G-Engineering	A-Administrative	50-362/1997011
83-Work practice or	O-Operations	O-Control Room Ops	50-362/1997012
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-362/1997012
83-Work practice or	B-Plant Management	A-Administrative	50-362/1997012
83-Work practice or	B-Plant Management	A-Administrative	50-362/1997012
83-Work practice or	B-Plant Management	A-Administrative	50-362/1997012
93-Awareness or att	E-Electrical	M-Maint / Repair	50-362/1997012
93-Awareness or att	E-Electrical	M-Maint / Repair	50-362/1997012
91-Verification / p	G-Engineering	M-Maint / Repair	50-362/1997012
91-Verification / p	G-Engineering	F-Modification	50-362/1997012
83-Work practice or	U-Unknown	Z-Other	50-362/1997012
93-Awareness or att	G-Engineering	G-Design	50-362/1997015
93-Awareness or att	O-Operations	O-Control Room Ops	50-362/1997017
93-Awareness or att	O-Operations	O-Control Room Ops	50-362/1997017
93-Awareness or att	O-Operations	O-Control Room Ops	50-362/1997017
93-Awareness or att	O-Operations	O-Control Room Ops	50-362/1997017
83-Work practice or	F-Fuel Handling	R-Refueling	50-362/1997017
81-Work Package Qua	W-Work Control / Sc	R-Refueling	50-362/1997017
86-Work untimely	H-Health Physics	H-Health Physics	50-362/1997017
83-Work practice or	O-Operations	Z-Other	50-362/1997020
83-Work practice or	O-Operations	Z-Other	50-362/1997020

93-Awareness or att	T-Training	Z-Other	50-362/1997020
91-Verification / p	T-Training	Z-Other	50-362/1997020
86-Work untimely	T-Training	A-Administrative	50-362/1997020
93-Awareness or att	O-Operations	S-Surveillance	50-362/1997023
86-Work untimely	O-Operations	Z-Other	50-362/1997023
93-Awareness or att	O-Operations	Z-Other	50-362/1997023
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-362/1997023
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-362/1997023
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-362/1997023
91-Verification / p	H-Health Physics	H-Health Physics	50-362/1997023
91-Verification / p	H-Health Physics	H-Health Physics	50-362/1997023
84-Non-conserv. dec	H-Health Physics	H-Health Physics	50-362/1997023

## Work Factors ER

Number of items: 0  
Percent of total: 0

## Work Factors LER

Number of items: 3  
Percent of total: 2.48

87-Non-conservati	O-Operations	T-Testing	50-361/199700100
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87-Non-conservati	O-Operations	T-Testing	50-361/199700100
87-Non-conservati	G-Engineering	T-Testing	50-361/199700100
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**[End of File for Plant Docket 362 (1997)]**

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