

# 1997 Human Factors Information System Report for Plant Docket 334

Combined IR/ER/LER Report  
Docket: 50-334 BEAVER VALLEY 1

Total Number of Hits in Date Range: 134  
From 01/01/1997 to 12/31/1997  
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 7			
Percent of total: 5.22			
54-No communication	M-Mechanical	T-Testing	50-334/1997001
	M-Mechanical		
53-Communication	LT G-Engineering	S-Surveillance	50-334/1997002
	G-Engineering		
53-Communication	LT O-Operations	S-Surveillance	50-334/1997002
	O-Operations		
53-Communication	LT W-Work Control / Sc	S-Surveillance	50-334/1997002
	W-Work Control / Sc		
53-Communication	LT O-Operations	O-Control Room Ops	50-334/1997004
	O-Operations		
53-Communication	LT G-Engineering	V-Troubleshooting	50-334/1997005
	G-Engineering		
52-Communication	un O-Operations	A-Administrative	50-334/1997005
	O-Operations		
Communications ER			
Number of items: 1			
Percent of total: .75			
53-Communication	LT O-Operations	Z-Other	50-334/1997003
	O-Operations		
Communications LER			
Number of items: 8			
Percent of total: 5.97			
53-Communication	LT O-Operations	T-Testing	50-334/199700700
53-Communication	LT O-Operations	O-Control Room Ops	50-334/199700900
53-Communication	LT O-Operations	A-Administrative	50-334/199701500
53-Communication	LT I-Instrumentation &	M-Maint / Repair	50-334/199701700
53-Communication	LT C-Chemistry	T-Testing	50-334/199702700
53-Communication	LT E-Electrical	M-Maint / Repair	50-334/199702800
53-Communication	LT M-Mechanical	M-Maint / Repair	50-334/199702800
53-Communication	LT P-Procedure Writers	P-Procedure Dev	50-334/199704200
	P-Procedure Writers		

Details	Department	Work Type	Docket/Report
Human-System Interface and Environm IR			
Number of items: 2			
Percent of total: 1.49			
64-Placement or loc	O-Operations	U-Unknown	50-334/1996010
61-Labels LTA	O-Operations	O-Control Room Ops	50-334/1997005

Human-System Interface and Environm ER  
Number of items: 0  
Percent of total: 0

Details	Department	Work Type	Docket/Report
Human-System Interface and Environm LER			
Number of items: 3			
Percent of total: 2.24			
75-Work area LTA	I-Instrumentation &	C-Calibration	50-334/199701000
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Human-System Interface and Environm LER			
Number of items: 3			
Percent of Total: 2.24			
62-Information orga	E-Electrical	M-Maint / Repair	50-334/199702800

62-Information orga M-Mechanical M-Maint / Repair 50-334/199702800

Management and Supervision IR

Number of items: 18

Percent of total: 13.43

40-Individual Corre	I-Instrumentation &	U-Unknown	50-334/1996009
32-Supervision / co	W-Work Control / Sc	U-Unknown	50-334/1996010
43-Operating Experi	B-Plant Management	U-Unknown	50-334/1996010
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-334/1997001
32-Supervision / co	O-Operations	A-Administrative	50-334/1997001
41-Action not begun	O-Operations	O-Control Room Ops	50-334/1997001
33-Management expec	B-Plant Management	Z-Other	50-334/1997002
47-Root Cause LTA	G-Engineering	G-Design	50-334/1997002
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-334/1997002
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-334/1997002
47-Root Cause LTA	G-Engineering	G-Design	50-334/1997002
47-Root Cause LTA	G-Engineering	G-Design	50-334/1997002
41-Action not begun	G-Engineering	G-Design	50-334/1997002
33-Management expec	O-Operations	D-Emergency Drill	50-334/1997002
36-Scheduling and p	W-Work Control / Sc	F-Modification	50-334/1997005
33-Management expec	O-Operations	A-Administrative	50-334/1997006
43-Operating Experi	G-Engineering	G-Design	50-334/1997080
43-Operating Experi	G-Engineering	G-Design	50-334/1997080

Management and Supervision ER

Number of items: 0

Percent of total: 0

Management and Supervision LER

Number of items: 2

Percent of total: 1.49

32-Supervision / co	M-Mechanical	O-Control Room Ops	50-412/199700200
32-Supervision / co	U-Unknown	O-Control Room Ops	50-412/199700200

Organizational Issues IR

Number of items: 2

Percent of total: 1.49

26-OT controls / sc	O-Operations	O-Control Room Ops	50-334/1997001
26-OT controls / sc	O-Operations	B-Bal of Plant Ops	50-334/1997001

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: 14.18

12-Procedure techni	G-Engineering	S-Surveillance	50-334/1997001
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Procedures and Reference Document IR

Number of items: 19

Percent of Total: 14.18

12-Procedure techni	G-Engineering	S-Surveillance	50-334/1997001
11-No procedure / r	G-Engineering	O-Control Room Ops	50-334/1997001
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997002
11-No procedure / r	G-Engineering	G-Design	50-334/1997002
12-Procedure techni	G-Engineering	G-Design	50-334/1997004
11-No procedure / r	G-Engineering	G-Design	50-334/1997004

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12-Procedure techni G-Engineering G-Design 50-334/1997005  
 13-Procedure has hu G-Engineering G-Design 50-334/1997005

Procedures and Reference Document ER  
 Number of items: 0  
 Percent of total: 0

Procedures and Reference Document LER  
 Number of items: 17  
 Percent of total: 12.69

13-Procedure has hu I-Instrumentation & A-Administrative 50-334/199700100  
 13-Procedure has hu I-Instrumentation & T-Testing 50-334/199700100  
 13-Procedure has hu I-Instrumentation & T-Testing 50-334/199700400  
 13-Procedure has hu I-Instrumentation & A-Administrative 50-334/199700600  
 13-Procedure has hu I-Instrumentation & T-Testing 50-334/199700600  
 13-Procedure has hu O-Operations T-Testing 50-334/199700700  
 13-Procedure has hu M-Mechanical A-Administrative 50-334/199700800  
 13-Procedure has hu M-Mechanical T-Testing 50-334/199700800  
 13-Procedure has hu I-Instrumentation & T-Testing 50-334/199701100  
 13-Procedure has hu O-Operations T-Testing 50-334/199702200  
 13-Procedure has hu E-Electrical M-Maint / Repair 50-334/199702800  
 13-Procedure has hu M-Mechanical M-Maint / Repair 50-334/199702800  
 12-Procedure techni P-Procedure Writers P-Procedure Dev 50-334/199704100  
 14-Document develop P-Procedure Writers P-Procedure Dev 50-334/199704100  
 14-Document develop P-Procedure Writers P-Procedure Dev 50-334/199704200  
 13-Procedure has hu M-Mechanical O-Control Room Ops 50-412/199700200  
 13-Procedure has hu U-Unknown O-Control Room Ops 50-412/199700200

## Training IR

Number of items: 3  
 Percent of total: 2.24  
 05-Individual knowl O-Operations O-Control Room Ops 50-334/1997002  
 03-Training process T-Training A-Administrative 50-334/1997006  
 03-Training process T-Training A-Administrative 50-334/1997006

## Training ER

Number of items: 0  
 Percent of total: 0

## Training LER

Number of items: 6  
 Percent of total: 4.48  
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## Training LER

Number of items: 6  
 Percent of Total: 4.48  
 02-Training LTA O-Operations T-Testing 50-334/199702200  
 02-Training LTA E-Electrical M-Maint / Repair 50-334/199702800  
 02-Training LTA M-Mechanical M-Maint / Repair 50-334/199702800  
 02-Training LTA O-Operations M-Maint / Repair 50-334/199703800  
 02-Training LTA O-Operations M-Maint / Repair 50-334/199703800

## Work Factors IR

Number of items: 34  
 Percent of total: 25.37  
 84-Non-conserv. dec B-Plant Management U-Unknown 50-334/1996009  
 81-Work Package Qua O-Operations U-Unknown 50-334/1996010  
 84-Non-conserv. dec G-Engineering U-Unknown 50-334/1996010  
 92-Self check LTA B-Plant Management U-Unknown 50-334/1996010  
 83-Work practice or O-Operations T-Testing 50-334/1997001  
 84-Non-conserv. dec M-Mechanical T-Testing 50-334/1997001  
 91-Verification / p O-Operations B-Bal of Plant Ops 50-334/1997001  
 86-Work untimely H-Health Physics H-Health Physics 50-334/1997001  
 83-Work practice or M-Mechanical M-Maint / Repair 50-334/1997001  
 81-Work Package Qua W-Work Control / Sc S-Surveillance 50-334/1997001  
 83-Work practice or O-Operations S-Surveillance 50-334/1997001  
 81-Work Package Qua G-Engineering G-Design 50-334/1997002  
 81-Work Package Qua G-Engineering G-Design 50-334/1997002  
 94-Log-keeping or r O-Operations O-Control Room Ops 50-334/1997004  
 87-Non-conservati O-Operations O-Control Room Ops 50-334/1997004  
 85-Team interaction O-Operations O-Control Room Ops 50-334/1997004  
 83-Work practice or O-Operations O-Control Room Ops 50-334/1997004

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84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-334/1997004
93-Awareness or att	O-Operations	M-Maint / Repair	50-334/1997004
83-Work practice or	O-Operations	S-Surveillance	50-334/1997004
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-334/1997004
81-Work Package Qua	G-Engineering	G-Design	50-334/1997004
81-Work Package Qua	G-Engineering	G-Design	50-334/1997004
93-Awareness or att	O-Operations	O-Control Room Ops	50-334/1997005
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-334/1997005
92-Self check LTA	O-Operations	O-Control Room Ops	50-334/1997005
81-Work Package Qua	W-Work Control / Sc	V-Troubleshooting	50-334/1997005
83-Work practice or	I-Instrumentation &	V-Troubleshooting	50-334/1997005
84-Non-conserv. dec	O-Operations	V-Troubleshooting	50-334/1997005
82-Briefing, prep.	O-Operations	V-Troubleshooting	50-334/1997005
94-Log-keeping or r	O-Operations	A-Administrative	50-334/1997006
93-Awareness or att	O-Operations	A-Administrative	50-334/1997006
81-Work Package Qua	G-Engineering	G-Design	50-334/1997080
81-Work Package Qua	G-Engineering	G-Design	50-334/1997080

## Work Factors ER

Number of items: 0  
Percent of total: 0

## Work Factors LER

Number of items: 12  
Percent of total: 8.96

87-Non-conservati	O-Operations	T-Testing	50-334/199700300
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## Work Factors LER

Number of items: 12  
Percent of Total: 8.96

87-Non-conservati	I-Instrumentation &	T-Testing	50-334/199700400
87-Non-conservati	O-Operations	A-Administrative	50-334/199701500
87-Non-conservati	C-Chemistry	T-Testing	50-334/199702700
87-Non-conservati	O-Operations	O-Control Room Ops	50-334/199702900
87-Non-conservati	O-Operations	M-Maint / Repair	50-334/199703800
87-Non-conservati	O-Operations	M-Maint / Repair	50-334/199703800
84-Non-conserv. dec	Q-QA/QC	A-Administrative	50-334/199704200
83-Work practice or	I-Instrumentation &	G-Design	50-412/199700801
91-Verification / p	G-Engineering	G-Design	50-412/199700801
91-Verification / p	G-Engineering	G-Design	50-412/199700801
91-Verification / p	G-Engineering	G-Design	50-412/199700801

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