

# 1997 Human Factors Information System Report for Plant Docket 412

Combined IR/ER/LER Report  
Docket: 50-412 BEAVER VALLEY 2

Total Number of Hits in Date Range: 130  
From 01/01/1997 to 12/31/1997  
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 10			
Percent of total: 7.69			
53-Communication	LT O-Operations	U-Unknown	50-412/1996010
53-Communication	LT C-Chemistry	U-Unknown	50-412/1996010
53-Communication	LT O-Operations	T-Testing	50-412/1997001
	O-Operations		
53-Communication	LT G-Engineering	T-Testing	50-412/1997001
	G-Engineering		
54-No communication	M-Mechanical	T-Testing	50-412/1997001
	M-Mechanical		
53-Communication	LT O-Operations	B-Bal of Plant Ops	50-412/1997001
	O-Operations		
53-Communication	LT G-Engineering	S-Surveillance	50-412/1997002
	G-Engineering		
53-Communication	LT O-Operations	S-Surveillance	50-412/1997002
	O-Operations		
53-Communication	LT W-Work Control / Sc	S-Surveillance	50-412/1997002
	W-Work Control / Sc		
52-Communication	un O-Operations	A-Administrative	50-412/1997005
	O-Operations		

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

Communications LER  
Number of items: 3  
Percent of total: 2.31

53-Communication	LT E-Electrical	C-Calibration	50-412/199700600
53-Communication	LT O-Operations	O-Control Room Ops	50-334/199700900
53-Communication	LT P-Procedure Writers	P-Procedure Dev	50-334/199704200
	P-Procedure Writers		

Human-System Interface and Environm IR  
Number of items: 2  
Percent of total: 1.54

61-Labels	LTA O-Operations	T-Testing	50-412/1997001
61-Labels	LTA O-Operations	O-Control Room Ops	50-412/1997005

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: .77

75-Work area	LTA I-Instrumentation & C-Calibration		50-334/199701000
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Management and Supervision IR  
Number of items: 25  
Percent of total: 19.23

40-Individual Corre	I-Instrumentation & U-Unknown		50-412/1996009
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Management and Supervision IR  
Number of items: 25

Percent of Total: 19.23

32-Supervision / co	W-Work Control / Sc	U-Unknown	50-412/1996010
43-Operating Experi	B-Plant Management	U-Unknown	50-412/1996010
41-Action not begun	O-Operations	B-Bal of Plant Ops	50-412/1997001
36-Scheduling and p	I-Instrumentation &	V-Troubleshooting	50-412/1997001
40-Individual Corre	O-Operations	V-Troubleshooting	50-412/1997001
40-Individual Corre	I-Instrumentation &	V-Troubleshooting	50-412/1997001
40-Individual Corre	G-Engineering	V-Troubleshooting	50-412/1997001
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-412/1997001
32-Supervision / co	O-Operations	A-Administrative	50-412/1997001
41-Action not begun	O-Operations	O-Control Room Ops	50-412/1997001
33-Management expec	B-Plant Management	Z-Other	50-412/1997002
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-412/1997002
36-Scheduling and p	W-Work Control / Sc	S-Surveillance	50-412/1997002
47-Root Cause LTA	G-Engineering	G-Design	50-412/1997002
47-Root Cause LTA	G-Engineering	G-Design	50-412/1997002
41-Action not begun	G-Engineering	G-Design	50-412/1997002
33-Management expec	O-Operations	O-Emergency Drill	50-412/1997002
33-Management expec	O-Operations	A-Administrative	50-412/1997004
32-Supervision / co	O-Operations	A-Administrative	50-412/1997004
47-Root Cause LTA	G-Engineering	G-Design	50-412/1997004
36-Scheduling and p	W-Work Control / Sc	F-Modification	50-412/1997005
33-Management expec	O-Operations	A-Administrative	50-412/1997006
43-Operating Experi	G-Engineering	G-Design	50-412/1997080
43-Operating Experi	G-Engineering	G-Design	50-412/1997080

## Management and Supervision ER

Number of items: 0

Percent of total: 0

## Management and Supervision LER

Number of items: 2

Percent of total: 1.54

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: 1.54

26-OT controls / sc	O-Operations	O-Control Room Ops	50-412/1997001
26-OT controls / sc	O-Operations	B-Bal of Plant Ops	50-412/1997001

## 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: 15

Percent of total: 11.54

12-Procedure techni	G-Engineering	S-Surveillance	50-412/1997001
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## Procedures and Reference Document IR

Number of items: 15

Percent of Total: 11.54

12-Procedure techni	G-Engineering	S-Surveillance	50-412/1997001
11-No procedure / r	G-Engineering	O-Control Room Ops	50-412/1997001
12-Procedure techni	G-Engineering	G-Design	50-412/1997002
12-Procedure techni	G-Engineering	G-Design	50-412/1997002
12-Procedure techni	G-Engineering	G-Design	50-412/1997002
12-Procedure techni	G-Engineering	G-Design	50-412/1997002
12-Procedure techni	G-Engineering	G-Design	50-412/1997002
12-Procedure techni	G-Engineering	G-Design	50-412/1997002
12-Procedure techni	G-Engineering	G-Design	50-412/1997002
11-No procedure / r	G-Engineering	G-Design	50-412/1997002
12-Procedure techni	G-Engineering	G-Design	50-412/1997004
11-No procedure / r	G-Engineering	G-Design	50-412/1997004
12-Procedure techni	G-Engineering	G-Design	50-412/1997005
13-Procedure has hu	G-Engineering	G-Design	50-412/1997005

## Procedures and Reference Document ER

Number of items: 1

Percent of total: .77

13-Procedure has hu G-Engineering G-Design 50-412/1997003

## Procedures and Reference Document LER

Number of items: 13

Percent of total: 10.

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
13-Procedure has hu	E-Electrical	C-Calibration	50-412/199700600
12-Procedure techni	O-Operations	B-Bal of Plant Ops	50-412/199700900
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 &	A-Administrative	50-334/199700600
13-Procedure has hu	I-Instrumentation &	T-Testing	50-334/199700600
13-Procedure has hu	M-Mechanical	A-Administrative	50-334/199700800
13-Procedure has hu	M-Mechanical	T-Testing	50-334/199700800
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

## Training IR

Number of items: 4

Percent of total: 3.08

05-Individual knowl	I-Instrumentation &	V-Troubleshooting	50-412/1997001
05-Individual knowl	O-Operations	O-Control Room Ops	50-412/1997002
03-Training process	T-Training	A-Administrative	50-412/1997006
03-Training process	T-Training	A-Administrative	50-412/1997006

## Training ER

Number of items: 0

Percent of total: 0

## Training LER

Number of items: 1

Percent of total: .77

02-Training LTA G-Engineering S-Surveillance 50-412/199700301

## Work Factors IR

Number of items: 39

Percent of total: 30.

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## Work Factors IR

Number of items: 39

Percent of Total: 30.

84-Non-conserv. dec	B-Plant Management	U-Unknown	50-412/1996009
81-Work Package Qua	O-Operations	U-Unknown	50-412/1996010
83-Work practice or	E-Electrical	U-Unknown	50-412/1996010
84-Non-conserv. dec	G-Engineering	U-Unknown	50-412/1996010
92-Self check LTA	B-Plant Management	U-Unknown	50-412/1996010
83-Work practice or	G-Engineering	T-Testing	50-412/1997001
83-Work practice or	O-Operations	T-Testing	50-412/1997001
84-Non-conserv. dec	M-Mechanical	T-Testing	50-412/1997001
84-Non-conserv. dec	O-Operations	B-Bal of Plant Ops	50-412/1997001
82-Briefing, prep.	O-Operations	B-Bal of Plant Ops	50-412/1997001
83-Work practice or	C-Chemistry	B-Bal of Plant Ops	50-412/1997001
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-412/1997001
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-412/1997001
86-Work untimely	H-Health Physics	H-Health Physics	50-412/1997001
84-Non-conserv. dec	I-Instrumentation &	V-Troubleshooting	50-412/1997001
83-Work practice or	I-Instrumentation &	V-Troubleshooting	50-412/1997001
83-Work practice or	I-Instrumentation &	V-Troubleshooting	50-412/1997001
83-Work practice or	M-Mechanical	M-Maint / Repair	50-412/1997001
81-Work Package Qua	W-Work Control / Sc	S-Surveillance	50-412/1997001
83-Work practice or	O-Operations	S-Surveillance	50-412/1997001
81-Work Package Qua	G-Engineering	G-Design	50-412/1997002
85-Team interaction	O-Operations	V-Troubleshooting	50-412/1997002
85-Team interaction	G-Engineering	V-Troubleshooting	50-412/1997002
85-Team interaction	H-Health Physics	V-Troubleshooting	50-412/1997002
85-Team interaction	M-Mechanical	V-Troubleshooting	50-412/1997002

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81-Work Package Qua	G-Engineering	G-Design	50-412/1997002
85-Team interaction	O-Operations	M-Maint / Repair	50-412/1997004
85-Team interaction	M-Mechanical	M-Maint / Repair	50-412/1997004
85-Team interaction	I-Instrumentation &	M-Maint / Repair	50-412/1997004
81-Work Package Qua	G-Engineering	G-Design	50-412/1997004
93-Awareness or att	W-Work Control / Sc	S-Surveillance	50-412/1997005
93-Awareness or att	O-Operations	S-Surveillance	50-412/1997005
92-Self check LTA	O-Operations	O-Control Room Ops	50-412/1997005
94-Log-keeping or r	O-Operations	A-Administrative	50-412/1997006
93-Awareness or att	O-Operations	A-Administrative	50-412/1997006
94-Log-keeping or r	O-Operations	A-Administrative	50-412/1997006
93-Awareness or att	O-Operations	A-Administrative	50-412/1997006
93-Awareness or att	O-Operations	A-Administrative	50-412/1997006
81-Work Package Qua	G-Engineering	G-Design	50-412/1997080

## Work Factors ER

Number of items: 0  
Percent of total: 0

## Work Factors LER

Number of items: 12  
Percent of total: 9.23

87-Non-conservati	O-Operations	M-Maint / Repair	50-412/199700300
87-Non-conservati	O-Operations	O-Control Room Ops	50-412/199700300
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-412/199700301

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## Work Factors LER

Number of items: 12  
Percent of Total: 9.23

83-Work practice or	B-Plant Management	B-Bal of Plant Ops	50-412/199700401
84-Non-conserv. dec	B-Plant Management	B-Bal of Plant Ops	50-412/199700401
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
93-Awareness or att	H-Health Physics	S-Surveillance	50-412/199700900
83-Work practice or	O-Operations	S-Surveillance	50-412/199700900
84-Non-conserv. dec	Q-QA/QC	A-Administrative	50-334/199704200

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