

# 1999 Human Factors Information System Report for Plant Docket 458

Combined IR/ER/LER Report  
Docket: 50-458 RIVER BEND 1

Total Number of Hits in Date Range: 200  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 19			
Percent of total: 9.5			
54-No communication	F-Fuel Handling	R-Refueling	50-458/1999005
	F-Fuel Handling		
53-Communication	LT W-Work Control / Sc	R-Refueling	50-458/1999005
	W-Work Control / Sc		
51-Misunderstood /	O-Operations	D-Emergency Drill	50-458/1999012
	O-Operations		
51-Misunderstood /	O-Operations	D-Emergency Drill	50-458/1999012
	O-Operations		
51-Misunderstood /	O-Operations	D-Emergency Drill	50-458/1999012
	O-Operations		
51-Misunderstood /	O-Operations	D-Emergency Drill	50-458/1999012
	O-Operations		
51-Misunderstood /	O-Operations	D-Emergency Drill	50-458/1999012
	O-Operations		
51-Misunderstood /	O-Operations	D-Emergency Drill	50-458/1999012
	O-Operations		
55-Communication	Eq D-Emergency Plannin	D-Emergency Drill	50-458/1999012
	D-Emergency Plannin		
55-Communication	Eq D-Emergency Plannin	D-Emergency Drill	50-458/1999012
	D-Emergency Plannin		
52-Communication	un D-Emergency Plannin	D-Emergency Drill	50-458/1999012
	D-Emergency Plannin		
54-No communication	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
	D-Emergency Plannin		
54-No communication	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
	D-Emergency Plannin		
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-458/1999013
	D-Emergency Plannin		
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-458/1999013
	D-Emergency Plannin		
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-458/1999013
	D-Emergency Plannin		
52-Communication	un D-Emergency Plannin	D-Emergency Drill	50-458/1999013
	D-Emergency Plannin		
53-Communication	LT D-Emergency Plannin	D-Emergency Drill	50-458/1999013
	D-Emergency Plannin		

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

Communications LER  
Number of items: 5  
Percent of total: 2.5  
54-No communication O-Operations S-Surveillance 50-458/199900100  
W-Work Control / Sc

Page: 1 Date:03/17/2000

Combined IR/ER/LER Report  
Docket: 50-458 RIVER BEND 1

Total Number of Hits in Date Range: 200  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Communications LER			
Number of items: 5			
Percent of Total: 2.5			
51-Misunderstood /	O-Operations	S-Surveillance	50-458/199900100
	W-Work Control / Sc		

## Human Factors System Report

53-Communication LT	O-Operations O-Operations	S-Surveillance	50-458/199900100
53-Communication LT	E-Electrical E-Electrical	B-Bal of Plant Ops	50-458/199900900
53-Communication LT	E-Electrical E-Electrical	B-Bal of Plant Ops	50-458/199900900

## Human-System Interface and Environm IR

Number of items: 4  
Percent of total: 2.

76-Postings LTA	H-Health Physics	H-Health Physics	50-458/1999008
76-Postings LTA	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
76-Postings LTA	O-Operations	O-Control Room Ops	50-458/1999013
71-Temperature / Hu	E-Electrical	B-Bal of Plant Ops	50-458/1999013

## 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: .5

75-Work area LTA	E-Electrical	T-Testing	50-458/199900800
------------------	--------------	-----------	------------------

## Management and Supervision IR

Number of items: 13  
Percent of total: 6.5

36-Scheduling and p	W-Work Control / Sc	F-Modification	50-458/1998021
48-Audits or proble	F-Fuel Handling	Z-Other	50-458/1999003
42-No action planne	G-Engineering	Z-Other	50-458/1999003
32-Supervision / co	G-Engineering	G-Design	50-458/1999003
32-Supervision / co	H-Health Physics	H-Health Physics	50-458/1999004
32-Supervision / co	H-Health Physics	H-Health Physics	50-458/1999004
40-Individual Corre	F-Fuel Handling	Z-Other	50-458/1999005
48-Audits or proble	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
32-Supervision / co	O-Operations	D-Emergency Drill	50-458/1999012
48-Audits or proble	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
33-Management expec	O-Operations	O-Control Room Ops	50-458/1999013
40-Individual Corre	G-Engineering	Z-Other	50-458/1999013
40-Individual Corre	I-Instrumentation &	S-Surveillance	50-458/1999013

## 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: 1  
Percent of total: .5

21-Staffing LTA	D-Emergency Plannin	D-Emergency Drill	50-458/1999013
-----------------	---------------------	-------------------	----------------

## 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: 9.5

Page: 2      Date:03/17/2000

Combined IR/ER/LER Report  
Docket: 50-458 RIVER BEND 1

Total Number of Hits in Date Range: 200  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
---------	------------	-----------	---------------

## Procedures and Reference Document IR

Number of items: 19  
Percent of Total: 9.5

11-No procedure / r	H-Health Physics	H-Health Physics	50-458/1998020
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-458/1999003
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-458/1999003

## Human Factors Information System Report

12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-458/1999003
13-Procedure has hu	H-Health Physics	H-Health Physics	50-458/1999004
12-Procedure techni	G-Engineering	G-Design	50-458/1999005
12-Procedure techni	G-Engineering	G-Design	50-458/1999005
13-Procedure has hu	P-Procedure Writers	P-Procedure Dev	50-458/1999008
12-Procedure techni	G-Engineering	G-Design	50-458/1999012
12-Procedure techni	G-Engineering	G-Design	50-458/1999012
12-Procedure techni	G-Engineering	G-Design	50-458/1999012
12-Procedure techni	G-Engineering	G-Design	50-458/1999012
13-Procedure has hu	G-Engineering	G-Design	50-458/1999012
12-Procedure techni	C-Chemistry	C-Calibration	50-458/1999012
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-458/1999013
12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-458/1999013
12-Procedure techni	E-Electrical	G-Design	50-458/1999013
12-Procedure techni	G-Engineering	G-Design	50-458/1999013
12-Procedure techni	G-Engineering	G-Design	50-458/1999013

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

Procedures and Reference Document LER  
 Number of items: 4  
 Percent of total: 2.

12-Procedure techni	M-Mechanical	M-Maint / Repair	50-458/199900300
12-Procedure techni	O-Operations	S-Surveillance	50-458/199900600
14-Document develop	O-Operations	B-Bal of Plant Ops	50-458/199900700
14-Document develop	E-Electrical	P-Procedure Dev	50-458/199901300

## Training IR

Number of items: 18  
 Percent of total: 9.

05-Individual knowl	O-Operations	R-Refueling	50-458/1999003
05-Individual knowl	F-Fuel Handling	R-Refueling	50-458/1999003
05-Individual knowl	M-Mechanical	H-Health Physics	50-458/1999004
01-No Training	T-Training	H-Health Physics	50-458/1999004
05-Individual knowl	H-Health Physics	H-Health Physics	50-458/1999004
04-Task Qualificati	H-Health Physics	H-Health Physics	50-458/1999004
04-Task Qualificati	H-Health Physics	H-Health Physics	50-458/1999004
04-Task Qualificati	O-Operations	H-Health Physics	50-458/1999004
04-Task Qualificati	O-Operations	H-Health Physics	50-458/1999004
04-Task Qualificati	O-Operations	H-Health Physics	50-458/1999004
04-Task Qualificati	O-Operations	H-Health Physics	50-458/1999004
04-Task Qualificati	O-Operations	H-Health Physics	50-458/1999004
05-Individual knowl	O-Operations	B-Bal of Plant Ops	50-458/1999004
05-Individual knowl	M-Mechanical	H-Health Physics	50-458/1999004
05-Individual knowl	M-Mechanical	H-Health Physics	50-458/1999004

Page: 3      Date:03/17/2000

Combined IR/ER/LER Report  
 Docket: 50-458 RIVER BEND 1

Total Number of Hits in Date Range: 200  
 From 01/01/1999 to 12/31/1999  
 2x National Average: 226

Details	Department	Work Type	Docket/Report
---------	------------	-----------	---------------

## Training IR

Number of items: 18  
 Percent of Total: 9.

05-Individual knowl	O-Operations	M-Maint / Repair	50-458/1999008
05-Individual knowl	O-Operations	O-Control Room Ops	50-458/1999012
04-Task Qualificati	D-Emergency Plannin	D-Emergency Drill	50-458/1999012

## 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: 109  
 Percent of total: 54.5

88-Tag outs LTA	E-Electrical	M-Maint / Repair	50-458/1998021
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-458/1998021
91-Verification / p	O-Operations	M-Maint / Repair	50-458/1998021
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-458/1998021
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-458/1998021
81-Work Package Qua	G-Engineering	G-Design	50-458/1998021

## Human Factors Information System Report

84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-458/1999002
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-458/1999002
84-Non-conserv. dec	G-Engineering	Z-Other	50-458/1999002
83-Work practice or	G-Engineering	Z-Other	50-458/1999002
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-458/1999003
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-458/1999003
83-Work practice or	E-Electrical	M-Maint / Repair	50-458/1999003
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-458/1999003
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-458/1999003
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-458/1999003
93-Awareness or att	F-Fuel Handling	R-Refueling	50-458/1999003
93-Awareness or att	F-Fuel Handling	R-Refueling	50-458/1999003
93-Awareness or att	F-Fuel Handling	R-Refueling	50-458/1999003
93-Awareness or att	F-Fuel Handling	R-Refueling	50-458/1999003
93-Awareness or att	F-Fuel Handling	R-Refueling	50-458/1999003
83-Work practice or	F-Fuel Handling	R-Refueling	50-458/1999003
83-Work practice or	F-Fuel Handling	R-Refueling	50-458/1999003
83-Work practice or	M-Mechanical	M-Maint / Repair	50-458/1999003
93-Awareness or att	W-Work Control / Sc	M-Maint / Repair	50-458/1999003
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-458/1999003
85-Team interaction	Z-Other	M-Maint / Repair	50-458/1999003
85-Team interaction	Z-Other	M-Maint / Repair	50-458/1999003
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-458/1999003
91-Verification / p	O-Operations	M-Maint / Repair	50-458/1999003
83-Work practice or	Z-Other	M-Maint / Repair	50-458/1999003
83-Work practice or	Z-Other	M-Maint / Repair	50-458/1999003
84-Non-conserv. dec	G-Engineering	G-Design	50-458/1999003
81-Work Package Qua	G-Engineering	G-Design	50-458/1999003
81-Work Package Qua	G-Engineering	G-Design	50-458/1999003

Page: 4 Date:03/17/2000

Combined IR/ER/LER Report  
Docket: 50-458 RIVER BEND 1Total Number of Hits in Date Range: 200  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
Work Factors IR			
Number of items: 109			
Percent of Total: 54.5			
93-Awareness or att	G-Engineering	G-Design	50-458/1999003
93-Awareness or att	G-Engineering	G-Design	50-458/1999003
93-Awareness or att	Z-Other	Z-Other	50-458/1999003
93-Awareness or att	H-Health Physics	H-Health Physics	50-458/1999004
84-Non-conserv. dec	M-Mechanical	H-Health Physics	50-458/1999004
93-Awareness or att	M-Mechanical	H-Health Physics	50-458/1999004
93-Awareness or att	H-Health Physics	A-Administrative	50-458/1999004
93-Awareness or att	H-Health Physics	A-Administrative	50-458/1999004
93-Awareness or att	H-Health Physics	A-Administrative	50-458/1999004
93-Awareness or att	H-Health Physics	H-Health Physics	50-458/1999004
93-Awareness or att	H-Health Physics	H-Health Physics	50-458/1999004
82-Briefing, prep.	H-Health Physics	H-Health Physics	50-458/1999004
82-Briefing, prep.	H-Health Physics	H-Health Physics	50-458/1999004
85-Team interaction	M-Mechanical	H-Health Physics	50-458/1999004
84-Non-conserv. dec	M-Mechanical	H-Health Physics	50-458/1999004
83-Work practice or	M-Mechanical	H-Health Physics	50-458/1999004
82-Briefing, prep.	H-Health Physics	H-Health Physics	50-458/1999004
83-Work practice or	M-Mechanical	H-Health Physics	50-458/1999004
83-Work practice or	M-Mechanical	H-Health Physics	50-458/1999004
85-Team interaction	M-Mechanical	H-Health Physics	50-458/1999004
83-Work practice or	U-Unknown	H-Health Physics	50-458/1999004
93-Awareness or att	H-Health Physics	A-Administrative	50-458/1999004
83-Work practice or	O-Operations	H-Health Physics	50-458/1999004
83-Work practice or	O-Operations	H-Health Physics	50-458/1999004
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-458/1999005
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-458/1999005
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999005
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999005
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-458/1999005
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-458/1999005
93-Awareness or att	F-Fuel Handling	R-Refueling	50-458/1999005
85-Team interaction	O-Operations	T-Testing	50-458/1999005
85-Team interaction	O-Operations	T-Testing	50-458/1999005
83-Work practice or	O-Operations	K-Housekeeping	50-458/1999005
83-Work practice or	U-Unknown	K-Housekeeping	50-458/1999005
83-Work practice or	U-Unknown	K-Housekeeping	50-458/1999005
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-458/1999006
89-Housekeeping LTA	U-Unknown	K-Housekeeping	50-458/1999006
89-Housekeeping LTA	M-Mechanical	M-Maint / Repair	50-458/1999006

## Human Factors Information System Report

93-Awareness or att	G-Engineering	T-Testing	50-458/1999006
93-Awareness or att	G-Engineering	T-Testing	50-458/1999006
83-Work practice or	G-Engineering	G-Design	50-458/1999006
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-458/1999008
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-458/1999008
83-Work practice or	M-Mechanical	M-Maint / Repair	50-458/1999008
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999012
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999012
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999012
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999012
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999012

Page: 5                      Date:03/17/2000

Combined IR/ER/LER Report  
Docket: 50-458 RIVER BEND 1

Total Number of Hits in Date Range: 200  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

Details	Department	Work Type	Docket/Report
---------	------------	-----------	---------------

## Work Factors IR

Number of items: 109  
Percent of Total: 54.5

93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999012
81-Work Package Qua	G-Engineering	F-Modification	50-458/1999012
81-Work Package Qua	G-Engineering	G-Design	50-458/1999012
84-Non-conserv. dec	O-Operations	D-Emergency Drill	50-458/1999012
86-Work untimely	H-Health Physics	D-Emergency Drill	50-458/1999012
86-Work untimely	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
86-Work untimely	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
84-Non-conserv. dec	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
84-Non-conserv. dec	D-Emergency Plannin	D-Emergency Drill	50-458/1999012
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999013
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999013
93-Awareness or att	O-Operations	O-Control Room Ops	50-458/1999013
83-Work practice or	O-Operations	O-Control Room Ops	50-458/1999013
84-Non-conserv. dec	O-Operations	O-Control Room Ops	50-458/1999013
84-Non-conserv. dec	E-Electrical	T-Testing	50-458/1999013
93-Awareness or att	G-Engineering	F-Modification	50-458/1999013
93-Awareness or att	P-Procedure Writers	P-Procedure Dev	50-458/1999013
84-Non-conserv. dec	I-Instrumentation &	S-Surveillance	50-458/1999013
84-Non-conserv. dec	I-Instrumentation &	S-Surveillance	50-458/1999013
84-Non-conserv. dec	O-Operations	H-Health Physics	50-458/1999013
82-Briefing, prep.	D-Emergency Plannin	D-Emergency Drill	50-458/1999013
84-Non-conserv. dec	H-Health Physics	D-Emergency Drill	50-458/1999013
84-Non-conserv. dec	H-Health Physics	D-Emergency Drill	50-458/1999013
84-Non-conserv. dec	H-Health Physics	D-Emergency Drill	50-458/1999013

## Work Factors ER

Number of items: 0  
Percent of total: 0

## Work Factors LER

Number of items: 7  
Percent of total: 3.5

83-Work practice or	M-Mechanical	M-Maint / Repair	50-458/199900300
83-Work practice or	M-Mechanical	M-Maint / Repair	50-458/199900400
83-Work practice or	M-Mechanical	M-Maint / Repair	50-458/199900400
84-Non-conserv. dec	O-Operations	S-Surveillance	50-458/199900500
87-Non-conservative	O-Operations	B-Bal of Plant Ops	50-458/199900700
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-458/199900700
92-Self check LTA	O-Operations	M-Maint / Repair	50-458/199901000

Page: 6                      Date:03/17/2000

[End of File for Plant Docket 458 (1999)]