

# 1997 Human Factors Information System Report for Plant Docket 286

Combined IR/ER/LER Report  
Docket: 50-286 INDIAN POINT 3

Total Number of Hits in Date Range: 216  
From 01/01/1997 to 12/31/1997  
2x National Average: 213

Details	Department	Work Type	Docket/Report
Communications IR			
Number of items: 14			
Percent of total: 6.48			
51-Misunderstood /	O-Operations	U-Unknown	50-286/1996011
51-Misunderstood /	B-Plant Management	U-Unknown	50-286/1996011
53-Communication LT	O-Operations	U-Unknown	50-286/1996011
53-Communication LT	M-Mechanical	U-Unknown	50-286/1996011
53-Communication LT	G-Engineering	U-Unknown	50-286/1996011
53-Communication LT	G-Engineering	U-Unknown	50-286/1996011
53-Communication LT	O-Operations	U-Unknown	50-286/1996012
53-Communication LT	O-Operations	U-Unknown	50-286/1996012
53-Communication LT	O-Operations	A-Administrative	50-286/1997004
54-No communication	O-Operations		
	Q-QA/QC	T-Testing	50-286/1997006
	Q-QA/QC		
53-Communication LT	G-Engineering	T-Testing	50-286/1997006
	G-Engineering		
54-No communication	D-Emergency Plannin	D-Emergency Drill	50-286/1997009
	D-Emergency Plannin		
53-Communication LT	D-Emergency Plannin	D-Emergency Drill	50-286/1997009
	D-Emergency Plannin		
53-Communication LT	G-Engineering	S-Surveillance	50-286/1997801
	G-Engineering		
Communications ER			
Number of items: 0			
Percent of total: 0			
Communications LER			
Number of items: 1			
Percent of total: .46			
53-Communication LT	G-Engineering	A-Administrative	50-286/199701300
Human-System Interface and Environm IR			
Number of items: 1			
Percent of total: .46			
61-Labels LTA	G-Engineering	F-Modification	50-286/1997009
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: .46			
62-Information orga	O-Operations	O-Control Room Ops	50-286/199702300
Management and Supervision IR			
Number of items: 16			
Percent of total: 7.41			
36-Scheduling and p	G-Engineering	U-Unknown	50-286/1996011
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Management and Supervision IR			
Number of items: 16			
Percent of Total: 7.41			
32-Supervision / co	O-Operations	M-Maint / Repair	50-286/1997004

## Human Factors Information System Report

32-Supervision / co	Z-Other	F-Modification	50-286/1997004
40-Individual Corre	O-Operations	Z-Other	50-286/1997006
36-Scheduling and p	W-Work Control / Sc	M-Maint / Repair	50-286/1997006
40-Individual Corre	M-Mechanical	M-Maint / Repair	50-286/1997006
40-Individual Corre	O-Operations	Z-Other	50-286/1997007
32-Supervision / co	B-Plant Management	B-Bal of Plant Ops	50-286/1997007
40-Individual Corre	M-Mechanical	Z-Other	50-286/1997009
40-Individual Corre	G-Engineering	Z-Other	50-286/1997009
41-Action not begun	G-Engineering	F-Modification	50-286/1997801
41-Action not begun	G-Engineering	M-Maint / Repair	50-286/1997801
41-Action not begun	G-Engineering	P-Procedure Dev	50-286/1997801
36-Scheduling and p	W-Work Control / Sc	R-Refueling	50-286/1997801
36-Scheduling and p	G-Engineering	F-Modification	50-286/1997801
33-Management expec	O-Operations	S-Surveillance	50-286/1997801

## Management and Supervision ER

Number of items: 0

Percent of total: 0

## Management and Supervision LER

Number of items: 1

Percent of total: .46

41-Action not begun I-Instrumentation &amp; M-Maint / Repair 50-286/199702101

## Organizational Issues IR

Number of items: 1

Percent of total: .46

27-Excessive hours G-Engineering M-Maint / Repair 50-286/1997001

## 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: 52

Percent of total: 24.07

13-Procedure has hu	M-Mechanical	U-Unknown	50-286/1996011
14-Document develop	O-Operations	U-Unknown	50-286/1996012
11-No procedure / r	H-Health Physics	U-Unknown	50-286/1996012
12-Procedure techni	O-Operations	U-Unknown	50-286/1996012
12-Procedure techni	M-Mechanical	U-Unknown	50-286/1996012
12-Procedure techni	C-Chemistry	U-Unknown	50-286/1996012
14-Document develop	H-Health Physics	U-Unknown	50-286/1996012
14-Document develop	B-Plant Management	U-Unknown	50-286/1996012
12-Procedure techni	G-Engineering	G-Design	50-286/1997004

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## Procedures and Reference Document IR

Number of items: 52

Percent of Total: 24.07

12-Procedure techni	G-Engineering	G-Design	50-286/1997004
12-Procedure techni	G-Engineering	G-Design	50-286/1997004
12-Procedure techni	G-Engineering	G-Design	50-286/1997004
11-No procedure / r	G-Engineering	G-Design	50-286/1997006
12-Procedure techni	G-Engineering	G-Design	50-286/1997006
12-Procedure techni	G-Engineering	G-Design	50-286/1997006
12-Procedure techni	G-Engineering	G-Design	50-286/1997006
12-Procedure techni	G-Engineering	G-Design	50-286/1997007
12-Procedure techni	G-Engineering	G-Design	50-286/1997007
12-Procedure techni	G-Engineering	G-Design	50-286/1997007
12-Procedure techni	G-Engineering	G-Design	50-286/1997007
12-Procedure techni	G-Engineering	G-Design	50-286/1997009
12-Procedure techni	G-Engineering	G-Design	50-286/1997009
12-Procedure techni	G-Engineering	G-Design	50-286/1997009
12-Procedure techni	G-Engineering	G-Design	50-286/1997009
12-Procedure techni	P-Procedure Writers	F-Modification	50-286/1997801
12-Procedure techni	G-Engineering	G-Design	50-286/1997801
13-Procedure has hu	P-Procedure Writers	Z-Other	50-286/1997801
12-Procedure techni	P-Procedure Writers	Z-Other	50-286/1997801
12-Procedure techni	P-Procedure Writers	Z-Other	50-286/1997801

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12-Procedure techni	P-Procedure Writers	S-Surveillance	50-286/1997801
12-Procedure techni	P-Procedure Writers	S-Surveillance	50-286/1997801
12-Procedure techni	P-Procedure Writers	S-Surveillance	50-286/1997801
11-No procedure / r	P-Procedure Writers	S-Surveillance	50-286/1997801
11-No procedure / r	P-Procedure Writers	S-Surveillance	50-286/1997801
14-Document develop	P-Procedure Writers	S-Surveillance	50-286/1997801
14-Document develop	P-Procedure Writers	S-Surveillance	50-286/1997801
14-Document develop	P-Procedure Writers	S-Surveillance	50-286/1997801
14-Document develop	P-Procedure Writers	S-Surveillance	50-286/1997801
14-Document develop	P-Procedure Writers	S-Surveillance	50-286/1997801
14-Document develop	P-Procedure Writers	S-Surveillance	50-286/1997801
14-Document develop	P-Procedure Writers	S-Surveillance	50-286/1997801
14-Document develop	P-Procedure Writers	S-Surveillance	50-286/1997801
11-No procedure / r	G-Engineering	F-Modification	50-286/1997801
11-No procedure / r	G-Engineering	S-Surveillance	50-286/1997801
11-No procedure / r	O-Operations	M-Maint / Repair	50-286/1997801
11-No procedure / r	G-Engineering	G-Design	50-286/1997801
11-No procedure / r	G-Engineering	G-Design	50-286/1997801
12-Procedure techni	G-Engineering	T-Testing	50-286/1997801
14-Document develop	P-Procedure Writers	P-Procedure Dev	50-286/1997801
12-Procedure techni	O-Operations	P-Procedure Dev	50-286/1997801
12-Procedure techni	G-Engineering	G-Design	50-286/1997801
11-No procedure / r	G-Engineering	G-Design	50-286/1997801
11-No procedure / r	G-Engineering	G-Design	50-286/1997801

## Procedures and Reference Document ER

Number of items: 0  
Percent of total: 0

## Procedures and Reference Document LER

Number of items: 7  
Percent of total: 3.24

12-Procedure techni	P-Procedure Writers	P-Procedure Dev	50-286/199701301
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## Procedures and Reference Document LER

Number of items: 7  
Percent of Total: 3.24

13-Procedure has hu	O-Operations	O-Control Room Ops	50-286/199701700
12-Procedure techni	I-Instrumentation &	M-Maint / Repair	50-286/199702101
12-Procedure techni	O-Operations	A-Administrative	50-286/199702400
12-Procedure techni	O-Operations	T-Testing	50-286/199702400
11-No procedure / r	I-Instrumentation &	M-Maint / Repair	50-286/199702500
13-Procedure has hu	O-Operations	T-Testing	50-286/199702800

## Training IR

Number of items: 4  
Percent of total: 1.85

03-Training process	O-Operations	Q-Fire Protection	50-286/1997001
05-Individual knowl	O-Operations	O-Control Room Ops	50-286/1997004
05-Individual knowl	O-Operations	O-Control Room Ops	50-286/1997004
05-Individual knowl	O-Operations	O-Control Room Ops	50-286/1997007

## Training ER

Number of items: 0  
Percent of total: 0

## Training LER

Number of items: 1  
Percent of total: .46

02-Training LTA	O-Operations	T-Testing	50-286/199702800
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## Work Factors IR

Number of items: 106  
Percent of total: 49.07

81-Work Package Qua	O-Operations	U-Unknown	50-286/1996011
83-Work practice or	O-Operations	U-Unknown	50-286/1996011
84-Non-conserv. dec	O-Operations	U-Unknown	50-286/1996011
84-Non-conserv. dec	G-Engineering	U-Unknown	50-286/1996011
87-Non-conservati	M-Mechanical	U-Unknown	50-286/1996012
87-Non-conservati	M-Mechanical	U-Unknown	50-286/1996012
87-Non-conservati	M-Mechanical	U-Unknown	50-286/1996012
87-Non-conservati	H-Health Physics	U-Unknown	50-286/1996012

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81-Work Package Qua	O-Operations	U-Unknown	50-286/1996012
87-Non-conservati	O-Operations	U-Unknown	50-286/1996012
87-Non-conservati	M-Mechanical	U-Unknown	50-286/1996012
88-Tag outs LTA	O-Operations	U-Unknown	50-286/1996012
92-Self check LTA	C-Chemistry	U-Unknown	50-286/1996012
84-Non-conserv. dec	Z-Other	K-Housekeeping	50-286/1997001
92-Self check LTA	O-Operations	B-Bal of Plant Ops	50-286/1997001
84-Non-conserv. dec	Z-Other	Z-Other	50-286/1997001
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-286/1997004
83-Work practice or	I-Instrumentation &	F-Modification	50-286/1997004
94-Log-keeping or r	O-Operations	A-Administrative	50-286/1997004
82-Briefing, prep.	O-Operations	G-Design	50-286/1997004
85-Team interaction	O-Operations	M-Maint / Repair	50-286/1997004
84-Non-conserv. dec	O-Operations	M-Maint / Repair	50-286/1997004
93-Awareness or att	O-Operations	O-Control Room Ops	50-286/1997004

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Details	Department	Work Type	Docket/Report
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## Work Factors IR

Number of items: 106

Percent of Total: 49.07

91-Verification / p	O-Operations	O-Control Room Ops	50-286/1997004
83-Work practice or	Z-Other	F-Modification	50-286/1997004
81-Work Package Qua	W-Work Control / Sc	F-Modification	50-286/1997004
93-Awareness or att	E-Electrical	M-Maint / Repair	50-286/1997004
92-Self check LTA	E-Electrical	M-Maint / Repair	50-286/1997004
83-Work practice or	E-Electrical	M-Maint / Repair	50-286/1997004
91-Verification / p	E-Electrical	M-Maint / Repair	50-286/1997004
83-Work practice or	M-Mechanical	M-Maint / Repair	50-286/1997004
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-286/1997004
83-Work practice or	M-Mechanical	M-Maint / Repair	50-286/1997006
83-Work practice or	M-Mechanical	M-Maint / Repair	50-286/1997006
83-Work practice or	M-Mechanical	M-Maint / Repair	50-286/1997006
93-Awareness or att	U-Unknown	M-Maint / Repair	50-286/1997006
93-Awareness or att	U-Unknown	M-Maint / Repair	50-286/1997006
93-Awareness or att	U-Unknown	M-Maint / Repair	50-286/1997006
83-Work practice or	U-Unknown	M-Maint / Repair	50-286/1997006
93-Awareness or att	F-Fuel Handling	R-Refueling	50-286/1997006
93-Awareness or att	F-Fuel Handling	R-Refueling	50-286/1997006
83-Work practice or	F-Fuel Handling	R-Refueling	50-286/1997006
93-Awareness or att	G-Engineering	A-Administrative	50-286/1997006
89-Housekeeping LTA	U-Unknown	M-Maint / Repair	50-286/1997006
86-Work untimely	G-Engineering	G-Design	50-286/1997006
89-Housekeeping LTA	U-Unknown	H-Health Physics	50-286/1997006
93-Awareness or att	Z-Other	A-Administrative	50-286/1997006
84-Non-conserv. dec	Z-Other	Z-Other	50-286/1997006
93-Awareness or att	O-Operations	T-Testing	50-286/1997007
83-Work practice or	O-Operations	O-Control Room Ops	50-286/1997007
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-286/1997007
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-286/1997007
93-Awareness or att	O-Operations	O-Control Room Ops	50-286/1997007
94-Log-keeping or r	O-Operations	O-Control Room Ops	50-286/1997007
82-Briefing, prep.	O-Operations	O-Control Room Ops	50-286/1997007
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-286/1997007
83-Work practice or	G-Engineering	P-Procedure Dev	50-286/1997007
88-Tag outs LTA	O-Operations	M-Maint / Repair	50-286/1997007
81-Work Package Qua	W-Work Control / Sc	M-Maint / Repair	50-286/1997007
83-Work practice or	M-Mechanical	M-Maint / Repair	50-286/1997007
83-Work practice or	W-Work Control / Sc	M-Maint / Repair	50-286/1997007
86-Work untimely	G-Engineering	G-Design	50-286/1997007
83-Work practice or	G-Engineering	O-Control Room Ops	50-286/1997007
91-Verification / p	O-Operations	B-Bal of Plant Ops	50-286/1997009
93-Awareness or att	M-Mechanical	M-Maint / Repair	50-286/1997009
83-Work practice or	G-Engineering	M-Maint / Repair	50-286/1997009
81-Work Package Qua	G-Engineering	G-Design	50-286/1997009
84-Non-conserv. dec	B-Plant Management	G-Design	50-286/1997009
81-Work Package Qua	G-Engineering	G-Design	50-286/1997009
81-Work Package Qua	G-Engineering	F-Modification	50-286/1997009
84-Non-conserv. dec	G-Engineering	F-Modification	50-286/1997801
87-Non-conservati	I-Instrumentation & S	S-Surveillance	50-286/1997801
94-Log-keeping or r	U-Unknown	S-Surveillance	50-286/1997801

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Number of items: 106			
Percent of Total: 49.07			
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-286/1997801
93-Awareness or att	O-Operations	B-Bal of Plant Ops	50-286/1997801
93-Awareness or att	O-Operations	O-Control Room Ops	50-286/1997801
84-Non-conserv. dec	O-Operations	S-Surveillance	50-286/1997801
84-Non-conserv. dec	G-Engineering	F-Modification	50-286/1997801
81-Work Package Qua	G-Engineering	F-Modification	50-286/1997801
81-Work Package Qua	G-Engineering	F-Modification	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	F-Modification	50-286/1997801
81-Work Package Qua	G-Engineering	T-Testing	50-286/1997801
84-Non-conserv. dec	G-Engineering	F-Modification	50-286/1997801
84-Non-conserv. dec	G-Engineering	F-Modification	50-286/1997801
81-Work Package Qua	G-Engineering	F-Modification	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
84-Non-conserv. dec	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	G-Design	50-286/1997801
81-Work Package Qua	G-Engineering	O-Control Room Ops	50-286/1997801

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

Work Factors LER			
Number of items: 11			
Percent of total: 5.09			
87-Non-conservati	O-Operations	T-Testing	50-286/199700400
87-Non-conservati	G-Engineering	A-Administrative	50-286/199700700
87-Non-conservati	O-Operations	M-Maint / Repair	50-286/199700800
87-Non-conservati	G-Engineering	A-Administrative	50-286/199701300
83-Work practice or	P-Procedure Writers	P-Procedure Dev	50-286/199701301
87-Non-conservati	G-Engineering	F-Modification	50-286/199701400
87-Non-conservati	I-Instrumentation &	A-Administrative	50-286/199701600
87-Non-conservati	O-Operations	O-Control Room Ops	50-286/199701700
87-Non-conservati	O-Operations	A-Administrative	50-286/199702400

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Work Factors LER			
Number of items: 11			
Percent of Total: 5.09			
87-Non-conservati	O-Operations	T-Testing	50-286/199702400
87-Non-conservati	O-Operations	T-Testing	50-286/199702800

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