

2001 Human Factors Information System Report for Plant Docket 247

Combined IR/ER/LER Report
Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390
From 01/01/2001 to 01/01/2002
2x National Average: 76

| Details | Department | Work Type | Docket/Report |
|--|--|--------------------|------------------|
| Communications IR | | | |
| Number of items: 15 | | | |
| Percent of total: 3.85 | | | |
| 53-Communication LT | O-Operations O-Operations | O-Control Room Ops | 50-247/2000015 |
| 53-Communication LT | O-Operations O-Operations | O-Control Room Ops | 50-247/2000015 |
| 52-Communication un | O-Operations O-Operations | O-Control Room Ops | 50-247/2000015 |
| 54-No communication | I-Instrumentation & I-Instrumentation & | T-Testing | 50-247/2001002 |
| 55-Communication Eq | D-Emergency Plannin D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 55-Communication Eq | D-Emergency Plannin D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 55-Communication Eq | D-Emergency Plannin D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 53-Communication LT | D-Emergency Plannin D-Emergency Plannin | D-Emergency Drill | 50-247/2001003 |
| 54-No communication | Z-Other Z-Other | B-Bal of Plant Ops | 50-247/2001003 |
| 53-Communication LT | G-Engineering G-Engineering | A-Administrative | 50-247/2001003 |
| 53-Communication LT | O-Operations G-Engineering | M-Maint / Repair | 50-247/2001006 |
| 54-No communication | H-Health Physics H-Health Physics | H-Health Physics | 50-247/2001006 |
| 52-Communication un | E-Electrical O-Operations | M-Maint / Repair | 50-247/2001008 |
| 53-Communication LT | H-Health Physics H-Health Physics | H-Health Physics | 50-247/2001009 |
| 53-Communication LT | G-Engineering G-Engineering | G-Design | 50-247/2001009 |
| Communications ER | | | |
| Number of items: 1 | | | |
| Percent of total: .26 | | | |
| 53-Communication LT | O-Operations O-Operations | A-Administrative | 50-247/2001003 |
| Communications LER | | | |
| Number of items: 2 | | | |
| Percent of total: .51 | | | |
| 53-Communication LT | O-Operations O-Operations | O-Control Room Ops | 50-247/200100100 |
| 53-Communication LT | I-Instrumentation & O-Operations | S-Surveillance | 50-247/200100200 |
| Human-System Interface and Environm IR | | | |
| Number of items: 1 | | | |
| Percent of total: .26 | | | |
| 65-Information Cont | O-Operations | M-Maint / Repair | 50-247/2001006 |
| 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: .26

Page: 1

Date:08/15/2002

Combined IR/ER/LER Report

Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390

From 01/01/2001 to 01/01/2002

2x National Average: 76

| Details | Department | Work Type | Docket/Report |
|---|------------------------------------|--------------------|------------------|
| Human-System Interface and Environm LER | | | |
| Number of items: 1 | | | |
| Percent of Total: .26 | | | |
| 65-Information Cont | I-Instrumentation & S-Surveillance | | 50-247/200100200 |
| Management and Supervision IR | | | |
| Number of items: 73 | | | |
| Percent of total: 18.72 | | | |
| 32-Supervision / co | E-Electrical | M-Maint / Repair | 50-247/2000014 |
| 33-Management expec | G-Engineering | G-Design | 50-247/2000014 |
| 42-No action planne | G-Engineering | Z-Other | 50-247/2000014 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2000014 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2000015 |
| 48-Audits or proble | O-Operations | Z-Other | 50-247/2000015 |
| 41-Action not begun | T-Training | Z-Other | 50-247/2001002 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001002 |
| 32-Supervision / co | G-Engineering | Z-Other | 50-247/2001002 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001002 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001002 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001002 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001002 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001002 |
| 40-Individual Corre | O-Operations | Z-Other | 50-247/2001002 |
| 48-Audits or proble | Q-QA/QC | Z-Other | 50-247/2001002 |
| 40-Individual Corre | Q-QA/QC | Z-Other | 50-247/2001002 |
| 48-Audits or proble | G-Engineering | Z-Other | 50-247/2001002 |
| 40-Individual Corre | O-Operations | Z-Other | 50-247/2001002 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001002 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001002 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001002 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001002 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2001002 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001002 |
| 32-Supervision / co | B-Plant Management | Z-Other | 50-247/2001002 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001002 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2001002 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001002 |
| 43-Operating Experi | G-Engineering | Z-Other | 50-247/2001002 |
| 43-Operating Experi | G-Engineering | Z-Other | 50-247/2001002 |
| 43-Operating Experi | G-Engineering | Z-Other | 50-247/2001002 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2001002 |
| 33-Management expec | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001002 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2001002 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2001002 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2001002 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2001002 |
| 33-Management expec | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 36-Scheduling and p | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 32-Supervision / co | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 32-Supervision / co | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 32-Supervision / co | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 40-Individual Corre | D-Emergency Plannin | Z-Other | 50-247/2001002 |

Page: 2

Date:08/15/2002

Combined IR/ER/LER Report

Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390
 From 01/01/2001 to 01/01/2002
 2x National Average: 76

| Details | Department | Work Type | Docket/Report |
|--------------------------------------|---------------------|--------------------|------------------|
| Management and Supervision IR | | | |
| Number of items: 73 | | | |
| Percent of Total: 18.72 | | | |
| 47-Root Cause LTA | D-Emergency Plannin | Z-Other | 50-247/2001002 |
| 47-Root Cause LTA | D-Emergency Plannin | Z-Other | 50-247/2001002 |
| 41-Action not begun | G-Engineering | Z-Other | 50-247/2001002 |
| 48-Audits or proble | Q-QA/QC | Z-Other | 50-247/2001002 |
| 32-Supervision / co | D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 40-Individual Corre | D-Emergency Plannin | Z-Other | 50-247/2001002 |
| 40-Individual Corre | Z-Other | Z-Other | 50-247/2001003 |
| 32-Supervision / co | T-Training | A-Administrative | 50-247/2001004 |
| 40-Individual Corre | W-Work Control / Sc | Z-Other | 50-247/2001004 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001004 |
| 36-Scheduling and p | W-Work Control / Sc | M-Maint / Repair | 50-247/2001006 |
| 41-Action not begun | E-Electrical | Z-Other | 50-247/2001006 |
| 36-Scheduling and p | W-Work Control / Sc | S-Surveillance | 50-247/2001006 |
| 41-Action not begun | D-Emergency Plannin | Z-Other | 50-247/2001007 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001008 |
| 48-Audits or proble | O-Operations | Z-Other | 50-247/2001009 |
| 40-Individual Corre | O-Operations | Z-Other | 50-247/2001009 |
| 41-Action not begun | O-Operations | Z-Other | 50-247/2001009 |
| 41-Action not begun | I-Instrumentation & | Z-Other | 50-247/2001010 |
| 36-Scheduling and p | I-Instrumentation & | C-Calibration | 50-247/2001010 |
| 40-Individual Corre | M-Mechanical | Z-Other | 50-247/2001010 |
| 40-Individual Corre | T-Training | Z-Other | 50-247/2001010 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001010 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-247/2001010 |
| 40-Individual Corre | E-Electrical | Z-Other | 50-247/2001010 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-247/2001010 |
| 40-Individual Corre | T-Training | Z-Other | 50-247/2001010 |
| 40-Individual Corre | T-Training | Z-Other | 50-247/2001013 |
| Management and Supervision ER | | | |
| Number of items: 0 | | | |
| Percent of total: 0 | | | |
| Management and Supervision LER | | | |
| Number of items: 2 | | | |
| Percent of total: .51 | | | |
| 34-Perceived pressu | O-Operations | O-Control Room Ops | 50-247/200100100 |
| 43-Operating Experi | P-Procedure Writers | P-Procedure Dev | 50-247/200100500 |
| Organizational Issues IR | | | |
| Number of items: 6 | | | |
| Percent of total: 1.54 | | | |
| 21-Staffing LTA | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 21-Staffing LTA | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 21-Staffing LTA | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 21-Staffing LTA | G-Engineering | M-Maint / Repair | 50-247/2001003 |
| 21-Staffing LTA | T-Training | A-Administrative | 50-247/2001004 |
| 22-Poor Task Alloca | O-Operations | S-Surveillance | 50-247/2001006 |
| Organizational Issues ER | | | |
| Number of items: 1 | | | |
| Percent of total: .26 | | | |
| 21-Staffing LTA | G-Engineering | Z-Other | 50-247/2001003 |
| Organizational Issues LER | | | |
| Number of items: 0 | | | |
| Percent of total: 0 | | | |
| Procedures and Reference Document IR | | | |
| Number of items: 93 | | | |
| Percent of total: 23.85 | | | |

Page: 3 Date:08/15/2002

Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390

From 01/01/2001 to 01/01/2002

2x National Average: 76

| Details | Department | Work Type | Docket/Report |
|--------------------------------------|---------------------|--------------------|----------------|
| Procedures and Reference Document IR | | | |
| Number of items: 93 | | | |
| Percent of Total: 23.85 | | | |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 14-Document develop | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 11-No procedure / r | G-Engineering | G-Design | 50-247/2000014 |
| 11-No procedure / r | G-Engineering | G-Design | 50-247/2000014 |
| 11-No procedure / r | G-Engineering | G-Design | 50-247/2000014 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | T-Testing | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | T-Testing | 50-247/2000014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2000015 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2000015 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2000015 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2000015 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2000015 |
| 13-Procedure has hu | H-Health Physics | H-Health Physics | 50-247/2000015 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2000015 |
| 13-Procedure has hu | B-Plant Management | Z-Other | 50-247/2001002 |
| 11-No procedure / r | G-Engineering | G-Design | 50-247/2001002 |
| 11-No procedure / r | G-Engineering | G-Design | 50-247/2001002 |
| 13-Procedure has hu | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 13-Procedure has hu | G-Engineering | G-Design | 50-247/2001002 |
| 11-No procedure / r | P-Procedure Writers | P-Procedure Dev | 50-247/2001002 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001002 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001002 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001002 |
| 14-Document develop | P-Procedure Writers | P-Procedure Dev | 50-247/2001002 |
| 11-No procedure / r | O-Operations | A-Administrative | 50-247/2001002 |
| 13-Procedure has hu | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 11-No procedure / r | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |

Page: 4

Date:08/15/2002

Combined IR/ER/LER Report

Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390

From 01/01/2001 to 01/01/2002

2x National Average: 76

| Details | Department | Work Type | Docket/Report |
|--------------------------------------|------------|-----------|---------------|
| Procedures and Reference Document IR | | | |

Number of items: 93
 Percent of Total: 23.85

| | | | |
|---------------------|---------------------|-------------------|----------------|
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 13-Procedure has hu | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | I-Instrumentation & | C-Calibration | 50-247/2001002 |
| 12-Procedure techni | I-Instrumentation & | C-Calibration | 50-247/2001002 |
| 12-Procedure techni | I-Instrumentation & | C-Calibration | 50-247/2001002 |
| 14-Document develop | I-Instrumentation & | C-Calibration | 50-247/2001002 |
| 13-Procedure has hu | G-Engineering | G-Design | 50-247/2001002 |
| 13-Procedure has hu | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001002 |
| 11-No procedure / r | D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 11-No procedure / r | D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 13-Procedure has hu | D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 11-No procedure / r | T-Training | A-Administrative | 50-247/2001004 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001004 |
| 12-Procedure techni | G-Engineering | G-Design | 50-247/2001004 |
| 14-Document develop | P-Procedure Writers | P-Procedure Dev | 50-247/2001005 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001006 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001006 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001006 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001006 |
| 11-No procedure / r | P-Procedure Writers | P-Procedure Dev | 50-247/2001006 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2001006 |
| 12-Procedure techni | O-Operations | Q-Fire Protection | 50-247/2001009 |
| 11-No procedure / r | G-Engineering | G-Design | 50-247/2001009 |

Procedures and Reference Document ER

Number of items: 7
 Percent of total: 1.79

| | | | |
|---------------------|---------------------|-----------------|----------------|
| 12-Procedure techni | G-Engineering | P-Procedure Dev | 50-247/2001003 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |

Page: 5 Date:08/15/2002

Combined IR/ER/LER Report
 Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390
 From 01/01/2001 to 01/01/2002
 2x National Average: 76

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

Procedures and Reference Document ER

Number of items: 7
 Percent of Total: 1.79

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-247/2001003 |
| 13-Procedure has hu | P-Procedure Writers | O-Control Room Ops | 50-247/2001301 |

Procedures and Reference Document LER

Number of items: 6

Percent of total: 1.54

| | | | |
|---------------------|---------------------|--------------------|------------------|
| 12-Procedure techni | O-Operations | O-Control Room Ops | 50-247/200100100 |
| 12-Procedure techni | O-Operations | O-Control Room Ops | 50-247/200100100 |
| 12-Procedure techni | O-Operations | O-Control Room Ops | 50-247/200100100 |
| 13-Procedure has hu | P-Procedure Writers | S-Surveillance | 50-247/200100200 |
| 13-Procedure has hu | P-Procedure Writers | S-Surveillance | 50-247/200100200 |
| 12-Procedure techni | O-Operations | O-Control Room Ops | 50-247/200100500 |

Training IR

Number of items: 23

Percent of total: 5.9

| | | | |
|---------------------|---------------|--------------------|----------------|
| 05-Individual knowl | G-Engineering | Z-Other | 50-247/2001002 |
| 05-Individual knowl | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 03-Training process | T-Training | G-Design | 50-247/2001002 |
| 03-Training process | T-Training | Z-Other | 50-247/2001002 |
| 05-Individual knowl | G-Engineering | G-Design | 50-247/2001002 |
| 03-Training process | T-Training | Z-Other | 50-247/2001002 |
| 03-Training process | T-Training | Z-Other | 50-247/2001002 |
| 06-Simulator fideli | T-Training | Z-Other | 50-247/2001002 |
| 06-Simulator fideli | T-Training | Z-Other | 50-247/2001002 |
| 06-Simulator fideli | T-Training | Z-Other | 50-247/2001002 |
| 06-Simulator fideli | T-Training | Z-Other | 50-247/2001002 |
| 06-Simulator fideli | T-Training | Z-Other | 50-247/2001002 |
| 02-Training LTA | T-Training | D-Emergency Drill | 50-247/2001002 |
| 05-Individual knowl | O-Operations | O-Control Room Ops | 50-247/2001003 |
| 02-Training LTA | T-Training | O-Control Room Ops | 50-247/2001003 |
| 05-Individual knowl | O-Operations | O-Control Room Ops | 50-247/2001006 |
| 04-Task Qualificati | M-Mechanical | S-Surveillance | 50-247/2001006 |
| 05-Individual knowl | M-Mechanical | M-Maint / Repair | 50-247/2001006 |
| 03-Training process | T-Training | Z-Other | 50-247/2001010 |
| 05-Individual knowl | O-Operations | Z-Other | 50-247/2001013 |
| 05-Individual knowl | O-Operations | Z-Other | 50-247/2001013 |
| 05-Individual knowl | O-Operations | Z-Other | 50-247/2001013 |
| 03-Training process | T-Training | Z-Other | 50-247/2001013 |

Training ER

Number of items: 3

Percent of total: .77

| | | | |
|---------------------|--------------|--------------------|----------------|
| 02-Training LTA | T-Training | D-Emergency Drill | 50-247/2001003 |
| 05-Individual knowl | O-Operations | B-Bal of Plant Ops | 50-247/2001003 |
| 02-Training LTA | T-Training | T-Testing | 50-247/2001003 |

Training LER

Number of items: 0

Percent of total: 0

Work Factors IR

Number of items: 138

Percent of total: 35.38

| | | | |
|---------------------|---------------|----------------|----------------|
| 81-Work Package Qua | G-Engineering | F-Modification | 50-247/2000014 |
|---------------------|---------------|----------------|----------------|

Page: 6 Date:08/15/2002

Combined IR/ER/LER Report

Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390

From 01/01/2001 to 01/01/2002

2x National Average: 76

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

Work Factors IR

Number of items: 138

Percent of Total: 35.38

| | | | |
|---------------------|---------------|--------------------|----------------|
| 84-Non-conserv. dec | G-Engineering | M-Maint / Repair | 50-247/2000014 |
| 84-Non-conserv. dec | O-Operations | M-Maint / Repair | 50-247/2000014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-247/2000014 |
| 83-Work practice or | M-Mechanical | F-Modification | 50-247/2000014 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-247/2000014 |
| 93-Awareness or att | E-Electrical | M-Maint / Repair | 50-247/2000014 |
| 93-Awareness or att | U-Unknown | Z-Other | 50-247/2000014 |
| 83-Work practice or | C-Chemistry | Z-Other | 50-247/2000014 |
| 91-Verification / p | O-Operations | B-Bal of Plant Ops | 50-247/2000015 |

Human Factors Information System Report

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 91-Verification / p | O-Operations | B-Bal of Plant Ops | 50-247/2000015 |
| 91-Verification / p | O-Operations | B-Bal of Plant Ops | 50-247/2000015 |
| 83-Work practice or | O-Operations | B-Bal of Plant Ops | 50-247/2000015 |
| 91-Verification / p | O-Operations | B-Bal of Plant Ops | 50-247/2000015 |
| 93-Awareness or att | O-Operations | B-Bal of Plant Ops | 50-247/2000015 |
| 83-Work practice or | O-Operations | M-Maint / Repair | 50-247/2000015 |
| 84-Non-conserv. dec | O-Operations | M-Maint / Repair | 50-247/2000015 |
| 93-Awareness or att | G-Engineering | M-Maint / Repair | 50-247/2000015 |
| 84-Non-conserv. dec | O-Operations | O-Control Room Ops | 50-247/2000015 |
| 84-Non-conserv. dec | O-Operations | O-Control Room Ops | 50-247/2000015 |
| 86-Work untimely | O-Operations | O-Control Room Ops | 50-247/2000015 |
| 84-Non-conserv. dec | O-Operations | O-Control Room Ops | 50-247/2000015 |
| 84-Non-conserv. dec | O-Operations | O-Control Room Ops | 50-247/2000015 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-247/2000015 |
| 94-Log-keeping or r | O-Operations | O-Control Room Ops | 50-247/2000015 |
| 86-Work untimely | O-Operations | V-Troubleshooting | 50-247/2000015 |
| 86-Work untimely | B-Plant Management | V-Troubleshooting | 50-247/2000015 |
| 83-Work practice or | I-Instrumentation & | T-Testing | 50-247/2000015 |
| 92-Self check LTA | I-Instrumentation & | T-Testing | 50-247/2000015 |
| 82-Briefing, prep. | I-Instrumentation & | T-Testing | 50-247/2000015 |
| 83-Work practice or | H-Health Physics | H-Health Physics | 50-247/2000015 |
| 83-Work practice or | H-Health Physics | H-Health Physics | 50-247/2000015 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-247/2000015 |
| 93-Awareness or att | G-Engineering | Z-Other | 50-247/2001002 |
| 93-Awareness or att | G-Engineering | Z-Other | 50-247/2001002 |
| 93-Awareness or att | G-Engineering | Z-Other | 50-247/2001002 |
| 84-Non-conserv. dec | G-Engineering | T-Testing | 50-247/2001002 |
| 93-Awareness or att | I-Instrumentation & | Z-Other | 50-247/2001002 |
| 86-Work untimely | I-Instrumentation & | Z-Other | 50-247/2001002 |
| 89-Housekeeping LTA | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 89-Housekeeping LTA | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 89-Housekeeping LTA | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 89-Housekeeping LTA | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 93-Awareness or att | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 93-Awareness or att | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 93-Awareness or att | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 93-Awareness or att | G-Engineering | A-Administrative | 50-247/2001002 |
| 86-Work untimely | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 83-Work practice or | G-Engineering | G-Design | 50-247/2001002 |
| 83-Work practice or | G-Engineering | P-Procedure Dev | 50-247/2001002 |
| 84-Non-conserv. dec | G-Engineering | G-Design | 50-247/2001002 |

Page: 7

Date:08/15/2002

Combined IR/ER/LER Report

Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390

From 01/01/2001 to 01/01/2002

2x National Average: 76

| Details | Department | Work Type | Docket/Report |
|-------------------------|---------------------|--------------------|----------------|
| Work Factors IR | | | |
| Number of items: 138 | | | |
| Percent of Total: 35.38 | | | |
| 93-Awareness or att | G-Engineering | G-Design | 50-247/2001002 |
| 93-Awareness or att | G-Engineering | G-Design | 50-247/2001002 |
| 83-Work practice or | G-Engineering | G-Design | 50-247/2001002 |
| 93-Awareness or att | G-Engineering | A-Administrative | 50-247/2001002 |
| 81-Work Package Qua | G-Engineering | F-Modification | 50-247/2001002 |
| 84-Non-conserv. dec | G-Engineering | G-Design | 50-247/2001002 |
| 93-Awareness or att | G-Engineering | F-Modification | 50-247/2001002 |
| 84-Non-conserv. dec | G-Engineering | G-Design | 50-247/2001002 |
| 83-Work practice or | G-Engineering | A-Administrative | 50-247/2001002 |
| 83-Work practice or | P-Procedure Writers | A-Administrative | 50-247/2001002 |
| 93-Awareness or att | O-Operations | A-Administrative | 50-247/2001002 |
| 93-Awareness or att | O-Operations | A-Administrative | 50-247/2001002 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 93-Awareness or att | G-Engineering | F-Modification | 50-247/2001002 |
| 84-Non-conserv. dec | G-Engineering | T-Testing | 50-247/2001002 |
| 83-Work practice or | I-Instrumentation & | C-Calibration | 50-247/2001002 |
| 89-Housekeeping LTA | I-Instrumentation & | M-Maint / Repair | 50-247/2001002 |
| 89-Housekeeping LTA | M-Mechanical | M-Maint / Repair | 50-247/2001002 |

Human Factors Information System Report

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 88-Tag outs LTA | O-Operations | A-Administrative | 50-247/2001002 |
| 88-Tag outs LTA | O-Operations | A-Administrative | 50-247/2001002 |
| 88-Tag outs LTA | O-Operations | A-Administrative | 50-247/2001002 |
| 88-Tag outs LTA | O-Operations | A-Administrative | 50-247/2001002 |
| 93-Awareness or att | G-Engineering | A-Administrative | 50-247/2001002 |
| 86-Work untimely | G-Engineering | F-Modification | 50-247/2001002 |
| 93-Awareness or att | O-Operations | B-Bal of Plant Ops | 50-247/2001002 |
| 83-Work practice or | P-Procedure Writers | P-Procedure Dev | 50-247/2001002 |
| 84-Non-conserv. dec | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 85-Team interaction | O-Operations | T-Testing | 50-247/2001002 |
| 84-Non-conserv. dec | O-Operations | V-Troubleshooting | 50-247/2001002 |
| 84-Non-conserv. dec | I-Instrumentation & | V-Troubleshooting | 50-247/2001002 |
| 84-Non-conserv. dec | M-Mechanical | M-Maint / Repair | 50-247/2001002 |
| 94-Log-keeping or r | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 94-Log-keeping or r | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 94-Log-keeping or r | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 94-Log-keeping or r | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 92-Self check LTA | O-Operations | B-Bal of Plant Ops | 50-247/2001002 |
| 85-Team interaction | O-Operations | V-Troubleshooting | 50-247/2001002 |
| 85-Team interaction | I-Instrumentation & | V-Troubleshooting | 50-247/2001002 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-247/2001002 |
| 83-Work practice or | D-Emergency Plannin | T-Testing | 50-247/2001002 |
| 83-Work practice or | D-Emergency Plannin | T-Testing | 50-247/2001002 |
| 83-Work practice or | D-Emergency Plannin | T-Testing | 50-247/2001002 |
| 83-Work practice or | D-Emergency Plannin | T-Testing | 50-247/2001002 |
| 83-Work practice or | D-Emergency Plannin | T-Testing | 50-247/2001002 |
| 83-Work practice or | D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 93-Awareness or att | T-Training | D-Emergency Drill | 50-247/2001002 |
| 85-Team interaction | D-Emergency Plannin | D-Emergency Drill | 50-247/2001002 |
| 85-Team interaction | H-Health Physics | D-Emergency Drill | 50-247/2001002 |

Page: 8 Date:08/15/2002

Combined IR/ER/LER Report
Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390
From 01/01/2001 to 01/01/2002
2x National Average: 76

| Details | Department | Work Type | Docket/Report |
|-------------------------|---------------------|--------------------|----------------|
| Work Factors IR | | | |
| Number of items: 138 | | | |
| Percent of Total: 35.38 | | | |
| 93-Awareness or att | G-Engineering | M-Maint / Repair | 50-247/2001003 |
| 93-Awareness or att | G-Engineering | M-Maint / Repair | 50-247/2001003 |
| 93-Awareness or att | G-Engineering | M-Maint / Repair | 50-247/2001003 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-247/2001003 |
| 82-Briefing, prep. | O-Operations | O-Control Room Ops | 50-247/2001003 |
| 93-Awareness or att | Z-Other | Z-Other | 50-247/2001003 |
| 93-Awareness or att | U-Unknown | M-Maint / Repair | 50-247/2001003 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-247/2001004 |
| 86-Work untimely | O-Operations | O-Control Room Ops | 50-247/2001004 |
| 81-Work Package Qua | G-Engineering | Q-Fire Protection | 50-247/2001006 |
| 88-Tag outs LTA | O-Operations | M-Maint / Repair | 50-247/2001006 |
| 93-Awareness or att | O-Operations | B-Bal of Plant Ops | 50-247/2001006 |
| 84-Non-conserv. dec | O-Operations | S-Surveillance | 50-247/2001006 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-247/2001006 |
| 82-Briefing, prep. | O-Operations | S-Surveillance | 50-247/2001006 |
| 88-Tag outs LTA | O-Operations | M-Maint / Repair | 50-247/2001006 |
| 86-Work untimely | C-Chemistry | T-Testing | 50-247/2001006 |
| 93-Awareness or att | D-Emergency Plannin | T-Testing | 50-247/2001007 |
| 91-Verification / p | O-Operations | B-Bal of Plant Ops | 50-247/2001008 |
| 91-Verification / p | O-Operations | B-Bal of Plant Ops | 50-247/2001008 |
| 91-Verification / p | O-Operations | B-Bal of Plant Ops | 50-247/2001008 |
| 91-Verification / p | O-Operations | B-Bal of Plant Ops | 50-247/2001008 |
| 84-Non-conserv. dec | W-Work Control / Sc | M-Maint / Repair | 50-247/2001008 |
| 84-Non-conserv. dec | O-Operations | O-Control Room Ops | 50-247/2001008 |
| 93-Awareness or att | G-Engineering | F-Modification | 50-247/2001009 |
| 93-Awareness or att | C-Chemistry | A-Administrative | 50-247/2001009 |
| 91-Verification / p | C-Chemistry | A-Administrative | 50-247/2001009 |

Human Factors Information System Report

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 82-Briefing, prep. | H-Health Physics | H-Health Physics | 50-247/2001009 |
| 82-Briefing, prep. | H-Health Physics | H-Health Physics | 50-247/2001009 |
| 83-Work practice or | H-Health Physics | H-Health Physics | 50-247/2001009 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-247/2001009 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-247/2001009 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-247/2001009 |
| 81-Work Package Qua | W-Work Control / Sc | M-Maint / Repair | 50-247/2001010 |
| 86-Work untimely | O-Operations | Z-Other | 50-247/2001013 |
| 86-Work untimely | O-Operations | Z-Other | 50-247/2001013 |
| 86-Work untimely | O-Operations | Z-Other | 50-247/2001013 |

Work Factors ER

Number of items: 7

Percent of total: 1.79

| | | | |
|---------------------|--------------|--------------------|----------------|
| 83-Work practice or | U-Unknown | M-Maint / Repair | 50-247/2001003 |
| 82-Briefing, prep. | O-Operations | O-Control Room Ops | 50-247/2001003 |
| 83-Work practice or | Z-Other | Z-Other | 50-247/2001003 |
| 85-Team interaction | Z-Other | Z-Other | 50-247/2001003 |
| 93-Awareness or att | Z-Other | Z-Other | 50-247/2001003 |
| 85-Team interaction | Z-Other | Z-Other | 50-247/2001003 |
| 93-Awareness or att | U-Unknown | M-Maint / Repair | 50-247/2001003 |

Work Factors LER

Number of items: 11

Percent of total: 2.82

| | | | |
|------------------|--------------|--------------------|------------------|
| 86-Work untimely | O-Operations | O-Control Room Ops | 50-247/200100100 |
|------------------|--------------|--------------------|------------------|

Page: 9

Date:08/15/2002

Combined IR/ER/LER Report

Docket: 50-247 INDIAN POINT 2

Total Number of Hits in Date Range: 390

From 01/01/2001 to 01/01/2002

2x National Average: 76

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

Work Factors LER

Number of items: 11

Percent of Total: 2.82

| | | | |
|---------------------|---------------------|--------------------|------------------|
| 84-Non-conserv. dec | O-Operations | O-Control Room Ops | 50-247/200100100 |
| 82-Briefing, prep. | I-Instrumentation & | S-Surveillance | 50-247/200100200 |
| 83-Work practice or | I-Instrumentation & | S-Surveillance | 50-247/200100200 |
| 84-Non-conserv. dec | I-Instrumentation & | S-Surveillance | 50-247/200100200 |
| 82-Briefing, prep. | O-Operations | C-Calibration | 50-247/200100300 |
| 84-Non-conserv. dec | O-Operations | C-Calibration | 50-247/200100300 |
| 84-Non-conserv. dec | G-Engineering | A-Administrative | 50-247/200100300 |
| 92-Self check LTA | O-Operations | S-Surveillance | 50-247/200100400 |
| 92-Self check LTA | O-Operations | S-Surveillance | 50-247/200100400 |
| 92-Self check LTA | P-Procedure Writers | P-Procedure Dev | 50-247/200100500 |

Page: 10

Date:08/15/2002

[End of File for Plant Docket 247 (2001)]