

1999 Human Factors Information System Report for Plant Docket 324

Combined IR/ER/LER Report
Docket: 50-324 BRUNSWICK 2

Total Number of Hits in Date Range: 140
From 01/01/1999 to 12/31/1999
2x National Average: 226

| Details | Department | Work Type | Docket/Report |
|---|------------------------|--------------------|------------------|
| Communications IR | | | |
| Number of items: 4 | | | |
| Percent of total: 2.86 | | | |
| 53-Communication | LT O-Operations | D-Emergency Drill | 50-324/1998011 |
| | O-Operations | | |
| 53-Communication | LT D-Emergency Plannin | D-Emergency Drill | 50-324/1998011 |
| | D-Emergency Plannin | | |
| 53-Communication | LT O-Operations | O-Control Room Ops | 50-324/1999004 |
| | O-Operations | | |
| 55-Communication | Eq D-Emergency Plannin | D-Emergency Drill | 50-324/1999006 |
| | D-Emergency Plannin | | |
| Communications ER | | | |
| Number of items: 0 | | | |
| Percent of total: 0 | | | |
| Communications LER | | | |
| Number of items: 3 | | | |
| Percent of total: 2.14 | | | |
| 53-Communication | LT O-Operations | M-Maint / Repair | 50-324/199900700 |
| | O-Operations | | |
| 53-Communication | LT O-Operations | B-Bal of Plant Ops | 50-324/199900800 |
| | O-Operations | | |
| 53-Communication | LT O-Operations | B-Bal of Plant Ops | 50-324/199900800 |
| | O-Operations | | |
| Human-System Interface and Environm IR | | | |
| Number of items: 3 | | | |
| Percent of total: 2.14 | | | |
| 76-Postings | LTA H-Health Physics | H-Health Physics | 50-324/1999002 |
| 71-Temperature / Hu | O-Operations | B-Bal of Plant Ops | 50-324/1999007 |
| 71-Temperature / Hu | O-Operations | B-Bal of Plant Ops | 50-324/1999007 |
| Human-System Interface and Environm ER | | | |
| Number of items: 0 | | | |
| Percent of total: 0 | | | |
| Human-System Interface and Environm LER | | | |
| Number of items: 0 | | | |
| Percent of total: 0 | | | |
| Management and Supervision IR | | | |
| Number of items: 23 | | | |
| Percent of total: 16.43 | | | |
| 32-Supervision / co | D-Emergency Plannin | D-Emergency Drill | 50-324/1998011 |
| 41-Action not begun | G-Engineering | F-Modification | 50-324/1998014 |
| 33-Management expec | G-Engineering | G-Design | 50-324/1998014 |
| 44-Corrective Actio | G-Engineering | G-Design | 50-324/1998014 |
| 40-Individual Corre | O-Operations | Z-Other | 50-324/1999001 |
| 43-Operating Experi | O-Operations | Z-Other | 50-324/1999001 |
| 43-Operating Experi | O-Operations | Z-Other | 50-324/1999001 |

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| Management and Supervision IR | | | |
| Number of items: 23 | | | |
| Percent of Total: 16.43 | | | |
| 33-Management expec | O-Operations | Z-Other | 50-324/1999001 |
| 48-Audits or proble | O-Operations | Z-Other | 50-324/1999001 |

Human Factors Information System Report

| | | | |
|---------------------|---------------|--------------------|----------------|
| 40-Individual Corre | O-Operations | Z-Other | 50-324/1999001 |
| 48-Audits or proble | O-Operations | Z-Other | 50-324/1999001 |
| 36-Scheduling and p | G-Engineering | G-Design | 50-324/1999001 |
| 36-Scheduling and p | G-Engineering | G-Design | 50-324/1999001 |
| 41-Action not begun | O-Operations | Q-Fire Protection | 50-324/1999001 |
| 41-Action not begun | O-Operations | Q-Fire Protection | 50-324/1999001 |
| 36-Scheduling and p | O-Operations | O-Control Room Ops | 50-324/1999004 |
| 32-Supervision / co | O-Operations | Q-Fire Protection | 50-324/1999004 |
| 32-Supervision / co | O-Operations | Q-Fire Protection | 50-324/1999004 |
| 41-Action not begun | O-Operations | Z-Other | 50-324/1999004 |
| 40-Individual Corre | O-Operations | Z-Other | 50-324/1999004 |
| 40-Individual Corre | O-Operations | Z-Other | 50-324/1999004 |
| 40-Individual Corre | O-Operations | Z-Other | 50-324/1999007 |
| 40-Individual Corre | O-Operations | Z-Other | 50-324/1999007 |

Management and Supervision ER

Number of items: 0

Percent of total: 0

Management and Supervision LER

Number of items: 4

Percent of total: 2.86

| | | | |
|---------------------|--------------|--------------------|------------------|
| 42-No action planne | M-Mechanical | S-Surveillance | 50-324/199900300 |
| 40-Individual Corre | O-Operations | B-Bal of Plant Ops | 50-324/199900800 |
| 48-Audits or proble | M-Mechanical | P-Procedure Dev | 50-325/199900100 |
| 32-Supervision / co | O-Operations | P-Procedure Dev | 50-325/199900600 |

Organizational Issues IR

Number of items: 2

Percent of total: 1.43

| | | | |
|---------------------|---------------------|-------------------|----------------|
| 21-Staffing LTA | O-Operations | Z-Other | 50-324/1999001 |
| 22-Poor Task Alloca | D-Emergency Plannin | D-Emergency Drill | 50-324/1999002 |

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: 21

Percent of total: 15.

| | | | |
|---------------------|---------------|----------|----------------|
| 12-Procedure techni | G-Engineering | G-Design | 50-324/1998011 |
| 11-No procedure / r | G-Engineering | G-Design | 50-324/1998014 |
| 12-Procedure techni | G-Engineering | G-Design | 50-324/1998014 |
| 11-No procedure / r | G-Engineering | G-Design | 50-324/1998014 |

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Procedures and Reference Document IR

Number of items: 21

Percent of Total: 15.

| | | | |
|---------------------|---------------------|-----------------|----------------|
| 11-No procedure / r | G-Engineering | G-Design | 50-324/1998014 |
| 11-No procedure / r | G-Engineering | G-Design | 50-324/1998014 |
| 12-Procedure techni | G-Engineering | G-Design | 50-324/1998014 |
| 12-Procedure techni | G-Engineering | G-Design | 50-324/1998014 |
| 12-Procedure techni | G-Engineering | G-Design | 50-324/1998014 |
| 12-Procedure techni | G-Engineering | G-Design | 50-324/1998014 |
| 12-Procedure techni | G-Engineering | G-Design | 50-324/1998014 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-324/1999001 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-324/1999001 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-324/1999001 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-324/1999002 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-324/1999002 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-324/1999002 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-324/1999004 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-324/1999004 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-324/1999004 |
| 11-No procedure / r | P-Procedure Writers | P-Procedure Dev | 50-324/1999007 |

Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

Procedures and Reference Document LER

Number of items: 3

Percent of total: 2.14

| | | | |
|---------------------|---------------------|-----------------|------------------|
| 12-Procedure techni | M-Mechanical | S-Surveillance | 50-324/199900300 |
| 14-Document develop | I-Instrumentation & | P-Procedure Dev | 50-325/199900500 |
| 14-Document develop | O-Operations | P-Procedure Dev | 50-325/199900600 |

Training IR

Number of items: 4

Percent of total: 2.86

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 05-Individual knowl | D-Emergency Plannin | D-Emergency Drill | 50-324/1998011 |
| 02-Training LTA | T-Training | G-Design | 50-324/1998014 |
| 02-Training LTA | T-Training | O-Control Room Ops | 50-324/1999001 |
| 02-Training LTA | T-Training | O-Control Room Ops | 50-324/1999001 |

Training ER

Number of items: 0

Percent of total: 0

Training LER

Number of items: 1

Percent of total: .71

| | | | |
|-----------------|--------------|------------------|------------------|
| 02-Training LTA | O-Operations | M-Maint / Repair | 50-324/199900700 |
|-----------------|--------------|------------------|------------------|

Work Factors IR

Number of items: 67

Percent of total: 47.86

| | | | |
|---------------------|---------------|----------|----------------|
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
|---------------------|---------------|----------|----------------|

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|---------|------------|-----------|---------------|
|---------|------------|-----------|---------------|

Work Factors IR

Number of items: 67

Percent of Total: 47.86

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 84-Non-conserv. dec | G-Engineering | G-Design | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 81-Work Package Qua | G-Engineering | G-Design | 50-324/1998014 |
| 81-Work Package Qua | G-Engineering | F-Modification | 50-324/1998014 |
| 81-Work Package Qua | G-Engineering | F-Modification | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 93-Awareness or att | G-Engineering | G-Design | 50-324/1998014 |
| 91-Verification / p | P-Procedure Writers | P-Procedure Dev | 50-324/1999001 |
| 86-Work untimely | T-Training | F-Modification | 50-324/1999001 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-324/1999001 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-324/1999001 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-324/1999001 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-324/1999001 |
| 92-Self check LTA | O-Operations | T-Testing | 50-324/1999001 |
| 82-Briefing, prep. | O-Operations | T-Testing | 50-324/1999001 |
| 91-Verification / p | O-Operations | M-Maint / Repair | 50-324/1999001 |
| 91-Verification / p | W-Work Control / Sc | M-Maint / Repair | 50-324/1999001 |
| 91-Verification / p | O-Operations | M-Maint / Repair | 50-324/1999001 |
| 82-Briefing, prep. | O-Operations | Z-Other | 50-324/1999001 |
| 93-Awareness or att | O-Operations | Z-Other | 50-324/1999001 |
| 93-Awareness or att | O-Operations | Z-Other | 50-324/1999001 |
| 93-Awareness or att | O-Operations | Z-Other | 50-324/1999001 |
| 93-Awareness or att | E-Electrical | Z-Other | 50-324/1999001 |
| 86-Work untimely | D-Emergency Plannin | D-Emergency Drill | 50-324/1999001 |
| 88-Tag outs LTA | O-Operations | B-Bal of Plant Ops | 50-324/1999002 |
| 83-Work practice or | M-Mechanical | S-Surveillance | 50-324/1999002 |
| 88-Tag outs LTA | O-Operations | A-Administrative | 50-324/1999004 |
| 88-Tag outs LTA | O-Operations | A-Administrative | 50-324/1999004 |
| 88-Tag outs LTA | O-Operations | A-Administrative | 50-324/1999004 |
| 88-Tag outs LTA | O-Operations | M-Maint / Repair | 50-324/1999004 |
| 93-Awareness or att | O-Operations | B-Bal of Plant Ops | 50-324/1999004 |
| 93-Awareness or att | O-Operations | B-Bal of Plant Ops | 50-324/1999004 |

| | | | |
|---------------------|--------------|--------------------|----------------|
| 93-Awareness or att | O-Operations | B-Bal of Plant Ops | 50-324/1999004 |
| 82-Briefing, prep. | O-Operations | O-Control Room Ops | 50-324/1999004 |
| 82-Briefing, prep. | O-Operations | O-Control Room Ops | 50-324/1999004 |
| 91-Verification / p | O-Operations | O-Control Room Ops | 50-324/1999004 |
| 83-Work practice or | O-Operations | O-Control Room Ops | 50-324/1999004 |
| 94-Log-keeping or r | O-Operations | O-Control Room Ops | 50-324/1999004 |
| 94-Log-keeping or r | O-Operations | O-Control Room Ops | 50-324/1999004 |
| 82-Briefing, prep. | O-Operations | O-Control Room Ops | 50-324/1999004 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-324/1999004 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-324/1999004 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-324/1999004 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-324/1999004 |

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|-------------------------|---------------------|--------------------|----------------|
| Work Factors IR | | | |
| Number of items: 67 | | | |
| Percent of Total: 47.86 | | | |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-324/1999004 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-324/1999004 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-324/1999004 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-324/1999004 |
| 93-Awareness or att | E-Electrical | H-Health Physics | 50-324/1999004 |
| 93-Awareness or att | E-Electrical | H-Health Physics | 50-324/1999004 |
| 93-Awareness or att | I-Instrumentation & | H-Health Physics | 50-324/1999004 |
| 93-Awareness or att | I-Instrumentation & | H-Health Physics | 50-324/1999004 |
| 93-Awareness or att | M-Mechanical | H-Health Physics | 50-324/1999004 |
| 93-Awareness or att | M-Mechanical | H-Health Physics | 50-324/1999004 |
| 85-Team interaction | O-Operations | B-Bal of Plant Ops | 50-324/1999006 |
| 85-Team interaction | O-Operations | B-Bal of Plant Ops | 50-324/1999006 |
| 81-Work Package Qua | G-Engineering | V-Troubleshooting | 50-324/1999007 |
| 81-Work Package Qua | G-Engineering | V-Troubleshooting | 50-324/1999007 |
| 83-Work practice or | G-Engineering | V-Troubleshooting | 50-324/1999007 |
| 83-Work practice or | G-Engineering | V-Troubleshooting | 50-324/1999007 |

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

| | | | |
|------------------------|---------------------|--------------------|------------------|
| Work Factors LER | | | |
| Number of items: 5 | | | |
| Percent of total: 3.57 | | | |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-324/199900501 |
| 83-Work practice or | O-Operations | B-Bal of Plant Ops | 50-324/199900800 |
| 91-Verification / p | M-Mechanical | P-Procedure Dev | 50-325/199900100 |
| 92-Self check LTA | I-Instrumentation & | P-Procedure Dev | 50-325/199900500 |
| 91-Verification / p | I-Instrumentation & | P-Procedure Dev | 50-325/199900500 |

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[End of File for Plant Docket 324 (1999)]