

1998 Human Factors Information System Report for Plant Docket 454

Combined IR/ER/LER Report
Docket: 50-454 BYRON 1

Total Number of Hits in Date Range: 160
From 01/01/1998 to 12/31/1998
2x National Average: 255

| Details | Department | Work Type | Docket/Report |
|-----------------------|---------------------|--------------------|------------------|
| Communications IR | | | |
| Number of items: 8 | | | |
| Percent of total: 5. | | | |
| 53-Communication | LT O-Operations | B-Bal of Plant Ops | 50-454/1998005 |
| | O-Operations | | |
| 51-Misunderstood / | G-Engineering | O-Control Room Ops | 50-454/1998009 |
| | G-Engineering | | |
| 53-Communication | LT G-Engineering | O-Control Room Ops | 50-454/1998009 |
| | G-Engineering | | |
| 53-Communication | LT O-Operations | O-Control Room Ops | 50-454/1998009 |
| | O-Operations | | |
| 55-Communication | Eq O-Operations | T-Testing | 50-454/1998009 |
| | O-Operations | | |
| 53-Communication | LT G-Engineering | V-Troubleshooting | 50-454/1998017 |
| | G-Engineering | | |
| 54-No communication | O-Operations | B-Bal of Plant Ops | 50-454/1998017 |
| | O-Operations | | |
| 53-Communication | LT H-Health Physics | H-Health Physics | 50-454/1998019 |
| | H-Health Physics | | |
| Communications ER | | | |
| Number of items: 0 | | | |
| Percent of total: 0 | | | |
| Communications LER | | | |
| Number of items: 16 | | | |
| Percent of total: 10. | | | |
| 53-Communication | LT G-Engineering | M-Maint / Repair | 50-454/199800400 |
| | G-Engineering | | |
| 53-Communication | LT M-Mechanical | M-Maint / Repair | 50-454/199800400 |
| | M-Mechanical | | |
| 51-Misunderstood / | O-Operations | Z-Other | 50-454/199800400 |
| | O-Operations | | |
| 51-Misunderstood / | B-Plant Management | Z-Other | 50-454/199800400 |
| | B-Plant Management | | |
| 55-Communication | Eq O-Operations | T-Testing | 50-454/199800800 |
| | O-Operations | | |
| 55-Communication | Eq O-Operations | T-Testing | 50-454/199800800 |
| | O-Operations | | |
| 54-No communication | H-Health Physics | T-Testing | 50-454/199800900 |
| | H-Health Physics | | |
| 54-No communication | G-Engineering | T-Testing | 50-454/199800900 |
| | G-Engineering | | |
| 54-No communication | O-Operations | T-Testing | 50-454/199800900 |
| | O-Operations | | |
| 54-No communication | G-Engineering | T-Testing | 50-454/199800900 |
| | G-Engineering | | |
| 53-Communication | LT O-Operations | T-Testing | 50-454/199801000 |
| | O-Operations | | |
| 53-Communication | LT O-Operations | T-Testing | 50-454/199801000 |
| | O-Operations | | |

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Combined IR/ER/LER Report
Docket: 50-454 BYRON 1

Total Number of Hits in Date Range: 160
From 01/01/1998 to 12/31/1998
2x National Average: 255

| Details | Department | Work Type | Docket/Report |
|-----------------------|--------------|-----------|------------------|
| Communications LER | | | |
| Number of items: 16 | | | |
| Percent of Total: 10. | | | |
| 54-No communication | M-Mechanical | T-Testing | 50-454/199801000 |
| | M-Mechanical | | |

Human Factors Information System Report

| | | | |
|---------------------|------------------------------|--------------------|------------------|
| 54-No communication | M-Mechanical M-Mechanical | T-Testing | 50-454/199801000 |
| 54-No communication | O-Operations O-Operations | T-Testing | 50-454/199801000 |
| 54-No communication | O-Operations O-Operations | O-Control Room Ops | 50-454/199801500 |

Human-System Interface and Environm IR

Number of items: 4

Percent of total: 2.5

| | | | |
|-----------------|------------------|------------------|----------------|
| 61-Labels LTA | E-Electrical | M-Maint / Repair | 50-454/1998004 |
| 61-Labels LTA | E-Electrical | M-Maint / Repair | 50-454/1998004 |
| 76-Postings LTA | H-Health Physics | H-Health Physics | 50-454/1998009 |
| 76-Postings LTA | H-Health Physics | H-Health Physics | 50-454/1998014 |

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: 27

Percent of total: 16.88

| | | | |
|---------------------|---------------|-------------------|----------------|
| 47-Root Cause LTA | G-Engineering | Z-Other | 50-454/1998004 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-454/1998004 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-454/1998004 |
| 33-Management expec | G-Engineering | G-Design | 50-454/1998004 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-454/1998004 |
| 47-Root Cause LTA | G-Engineering | Z-Other | 50-454/1998004 |
| 43-Operating Experi | G-Engineering | M-Maint / Repair | 50-454/1998004 |
| 47-Root Cause LTA | G-Engineering | Z-Other | 50-454/1998004 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-454/1998004 |
| 40-Individual Corre | G-Engineering | Z-Other | 50-454/1998004 |
| 41-Action not begun | G-Engineering | Z-Other | 50-454/1998004 |
| 48-Audits or proble | G-Engineering | Z-Other | 50-454/1998004 |
| 44-Corrective Actio | G-Engineering | Z-Other | 50-454/1998004 |
| 40-Individual Corre | O-Operations | Q-Fire Protection | 50-454/1998004 |
| 40-Individual Corre | O-Operations | Q-Fire Protection | 50-454/1998004 |
| 40-Individual Corre | O-Operations | Z-Other | 50-454/1998009 |
| 33-Management expec | O-Operations | A-Administrative | 50-454/1998009 |
| 40-Individual Corre | O-Operations | Z-Other | 50-454/1998011 |
| 44-Corrective Actio | O-Operations | M-Maint / Repair | 50-454/1998011 |
| 40-Individual Corre | O-Operations | Z-Other | 50-454/1998014 |
| 40-Individual Corre | O-Operations | Z-Other | 50-454/1998014 |
| 40-Individual Corre | O-Operations | Z-Other | 50-454/1998017 |

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Date:01/13/1999

Combined IR/ER/LER Report

Docket: 50-454 BYRON 1

Total Number of Hits in Date Range: 160

From 01/01/1998 to 12/31/1998

2x National Average: 255

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

Management and Supervision IR

Number of items: 27

Percent of Total: 16.88

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 33-Management expec | O-Operations | B-Bal of Plant Ops | 50-454/1998017 |
| 36-Scheduling and p | W-Work Control / Sc | M-Maint / Repair | 50-454/1998017 |
| 36-Scheduling and p | W-Work Control / Sc | M-Maint / Repair | 50-454/1998017 |
| 41-Action not begun | G-Engineering | Z-Other | 50-454/1998017 |
| 32-Supervision / co | E-Electrical | M-Maint / Repair | 50-454/1998019 |

Management and Supervision ER

Number of items: 0

Percent of total: 0

Management and Supervision LER

Number of items: 4

Percent of total: 2.5

| | | | |
|---------------------|--------------|--------------------|------------------|
| 32-Supervision / co | O-Operations | O-Control Room Ops | 50-454/199801500 |
| 33-Management expec | O-Operations | B-Bal of Plant Ops | 50-454/199801500 |
| 32-Supervision / co | O-Operations | B-Bal of Plant Ops | 50-454/199801500 |
| 43-Operating Experi | E-Electrical | C-Calibration | 50-454/199801701 |

Organizational Issues IR

Number of items: 2

Percent of total: 1.25
 22-Poor Task Alloca O-Operations B-Bal of Plant Ops 50-454/1998005
 28-Frequent use of O-Operations O-Control Room Ops 50-454/1998005

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: 11.88

| | | | |
|---------------------|---------------------|-------------------|----------------|
| 11-No procedure / r | G-Engineering | G-Design | 50-454/1998004 |
| 13-Procedure has hu | G-Engineering | F-Modification | 50-454/1998004 |
| 11-No procedure / r | G-Engineering | G-Design | 50-454/1998004 |
| 12-Procedure techni | G-Engineering | G-Design | 50-454/1998004 |
| 12-Procedure techni | G-Engineering | G-Design | 50-454/1998004 |
| 11-No procedure / r | O-Operations | Q-Fire Protection | 50-454/1998004 |
| 12-Procedure techni | G-Engineering | G-Design | 50-454/1998005 |
| 12-Procedure techni | G-Engineering | G-Design | 50-454/1998009 |
| 12-Procedure techni | G-Engineering | G-Design | 50-454/1998009 |
| 11-No procedure / r | G-Engineering | G-Design | 50-454/1998009 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-454/1998011 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-454/1998011 |
| 12-Procedure techni | G-Engineering | G-Design | 50-454/1998011 |
| 12-Procedure techni | G-Engineering | G-Design | 50-454/1998011 |
| 12-Procedure techni | G-Engineering | G-Design | 50-454/1998011 |

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Combined IR/ER/LER Report
 Docket: 50-454 BYRON 1

Total Number of Hits in Date Range: 160
 From 01/01/1998 to 12/31/1998
 2x National Average: 255

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

Procedures and Reference Document IR
 Number of items: 19

| | | | |
|-------------------------|---------------------|-------------------|----------------|
| Percent of Total: 11.88 | | | |
| 12-Procedure techni | P-Procedure Writers | Q-Fire Protection | 50-454/1998014 |
| 12-Procedure techni | P-Procedure Writers | F-Modification | 50-454/1998014 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-454/1998017 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-454/1998019 |

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

Procedures and Reference Document LER
 Number of items: 12

| | | | |
|-----------------------|--------------------|--------------------|------------------|
| Percent of total: 7.5 | | | |
| 12-Procedure techni | G-Engineering | M-Maint / Repair | 50-454/199800400 |
| 12-Procedure techni | M-Mechanical | M-Maint / Repair | 50-454/199800400 |
| 12-Procedure techni | O-Operations | T-Testing | 50-454/199800700 |
| 12-Procedure techni | O-Operations | T-Testing | 50-454/199800800 |
| 12-Procedure techni | O-Operations | T-Testing | 50-454/199800800 |
| 12-Procedure techni | G-Engineering | T-Testing | 50-454/199800900 |
| 12-Procedure techni | O-Operations | T-Testing | 50-454/199800900 |
| 12-Procedure techni | O-Operations | B-Bal of Plant Ops | 50-454/199801500 |
| 12-Procedure techni | O-Operations | M-Maint / Repair | 50-454/199801600 |
| 12-Procedure techni | G-Engineering | M-Maint / Repair | 50-454/199801600 |
| 12-Procedure techni | O-Operations | O-Control Room Ops | 50-454/199801701 |
| 12-Procedure techni | B-Plant Management | O-Control Room Ops | 50-454/199801701 |

Training IR

Number of items: 14
 Percent of total: 8.75

| | | | |
|---------------------|------------------|-------------------|----------------|
| 05-Individual knowl | M-Mechanical | M-Maint / Repair | 50-454/1997021 |
| 05-Individual knowl | G-Engineering | G-Design | 50-454/1998004 |
| 05-Individual knowl | G-Engineering | G-Design | 50-454/1998004 |
| 04-Task Qualificati | O-Operations | Q-Fire Protection | 50-454/1998004 |
| 04-Task Qualificati | O-Operations | Q-Fire Protection | 50-454/1998004 |
| 04-Task Qualificati | O-Operations | Q-Fire Protection | 50-454/1998004 |
| 04-Task Qualificati | H-Health Physics | Q-Fire Protection | 50-454/1998004 |
| 05-Individual knowl | O-Operations | Q-Fire Protection | 50-454/1998005 |
| 05-Individual knowl | M-Mechanical | M-Maint / Repair | 50-454/1998009 |
| 02-Training LTA | T-Training | Z-Other | 50-454/1998011 |

| | | | |
|---------------------|---------------|-------------------|----------------|
| 02-Training LTA | T-Training | M-Maint / Repair | 50-454/1998011 |
| 05-Individual knowl | O-Operations | M-Maint / Repair | 50-454/1998011 |
| 05-Individual knowl | G-Engineering | V-Troubleshooting | 50-454/1998017 |
| 02-Training LTA | T-Training | M-Maint / Repair | 50-454/1998017 |

Training ER

Number of items: 0
Percent of total: 0

Training LER

Number of items: 1
Percent of total: .63

| | | | |
|-----------------|--------------|-----------|------------------|
| 02-Training LTA | O-Operations | T-Testing | 50-454/199800700 |
|-----------------|--------------|-----------|------------------|

Work Factors IR

Number of items: 44
Percent of total: 27.5

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Combined IR/ER/LER Report
Docket: 50-454 BYRON 1

Total Number of Hits in Date Range: 160
From 01/01/1998 to 12/31/1998
2x National Average: 255

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

Work Factors IR

Number of items: 44
Percent of Total: 27.5

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 83-Work practice or | M-Mechanical | F-Modification | 50-454/1997021 |
| 83-Work practice or | G-Engineering | T-Testing | 50-454/1997021 |
| 83-Work practice or | G-Engineering | G-Design | 50-454/1997021 |
| 83-Work practice or | G-Engineering | G-Design | 50-454/1997021 |
| 84-Non-conserv. dec | H-Health Physics | H-Health Physics | 50-454/1997024 |
| 83-Work practice or | M-Mechanical | Q-Fire Protection | 50-454/1997024 |
| 83-Work practice or | G-Engineering | F-Modification | 50-454/1998004 |
| 83-Work practice or | G-Engineering | F-Modification | 50-454/1998004 |
| 83-Work practice or | G-Engineering | F-Modification | 50-454/1998004 |
| 84-Non-conserv. dec | E-Electrical | F-Modification | 50-454/1998004 |
| 84-Non-conserv. dec | G-Engineering | F-Modification | 50-454/1998004 |
| 85-Team interaction | G-Engineering | F-Modification | 50-454/1998004 |
| 85-Team interaction | O-Operations | F-Modification | 50-454/1998004 |
| 83-Work practice or | G-Engineering | M-Maint / Repair | 50-454/1998004 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-454/1998005 |
| 83-Work practice or | M-Mechanical | A-Administrative | 50-454/1998005 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-454/1998005 |
| 81-Work Package Qua | G-Engineering | G-Design | 50-454/1998005 |
| 83-Work practice or | U-Unknown | Q-Fire Protection | 50-454/1998005 |
| 83-Work practice or | U-Unknown | Q-Fire Protection | 50-454/1998005 |
| 83-Work practice or | E-Electrical | Q-Fire Protection | 50-454/1998005 |
| 83-Work practice or | M-Mechanical | Q-Fire Protection | 50-454/1998005 |
| 83-Work practice or | M-Mechanical | Q-Fire Protection | 50-454/1998005 |
| 94-Log-keeping or r | O-Operations | A-Administrative | 50-454/1998009 |
| 93-Awareness or att | O-Operations | S-Surveillance | 50-454/1998009 |
| 94-Log-keeping or r | O-Operations | A-Administrative | 50-454/1998009 |
| 91-Verification / p | G-Engineering | P-Procedure Dev | 50-454/1998009 |
| 83-Work practice or | O-Operations | A-Administrative | 50-454/1998009 |
| 83-Work practice or | E-Electrical | A-Administrative | 50-454/1998009 |
| 81-Work Package Qua | W-Work Control / Sc | M-Maint / Repair | 50-454/1998011 |
| 93-Awareness or att | O-Operations | S-Surveillance | 50-454/1998011 |
| 84-Non-conserv. dec | O-Operations | S-Surveillance | 50-454/1998011 |
| 84-Non-conserv. dec | G-Engineering | S-Surveillance | 50-454/1998011 |
| 93-Awareness or att | U-Unknown | H-Health Physics | 50-454/1998011 |
| 83-Work practice or | O-Operations | Q-Fire Protection | 50-454/1998014 |
| 83-Work practice or | O-Operations | Q-Fire Protection | 50-454/1998014 |
| 86-Work untimely | G-Engineering | G-Design | 50-454/1998015 |
| 85-Team interaction | G-Engineering | A-Administrative | 50-454/1998015 |
| 82-Briefing, prep. | O-Operations | V-Troubleshooting | 50-454/1998017 |
| 93-Awareness or att | G-Engineering | V-Troubleshooting | 50-454/1998017 |
| 84-Non-conserv. dec | O-Operations | B-Bal of Plant Ops | 50-454/1998017 |
| 88-Tag outs LTA | O-Operations | M-Maint / Repair | 50-454/1998017 |
| 88-Tag outs LTA | O-Operations | M-Maint / Repair | 50-454/1998017 |
| 81-Work Package Qua | W-Work Control / Sc | M-Maint / Repair | 50-454/1998017 |

Work Factors ER

Number of items: 0
Percent of total: 0

Work Factors LER

Number of items: 9

Percent of total: 5.63

81-Work Package Qua G-Engineering M-Maint / Repair 50-454/199800400

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Docket: 50-454 BYRON 1

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2x National Average: 255

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

Work Factors LER

Number of items: 9

Percent of Total: 5.63

| | | | |
|---------------------|---------------|--------------------|------------------|
| 81-Work Package Qua | M-Mechanical | M-Maint / Repair | 50-454/199800400 |
| 82-Briefing, prep. | G-Engineering | M-Maint / Repair | 50-454/199800400 |
| 82-Briefing, prep. | M-Mechanical | M-Maint / Repair | 50-454/199800400 |
| 83-Work practice or | O-Operations | T-Testing | 50-454/199800700 |
| 84-Non-conserv. dec | O-Operations | B-Bal of Plant Ops | 50-454/199801500 |
| 84-Non-conserv. dec | O-Operations | B-Bal of Plant Ops | 50-454/199801500 |
| 82-Briefing, prep. | O-Operations | B-Bal of Plant Ops | 50-454/199801500 |
| 93-Awareness or att | O-Operations | M-Maint / Repair | 50-454/199801600 |

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[End of File for Plant Docket 454 (1998)]