

1999 Human Factors Information System Report for Plant Docket 341

Combined IR/ER/LER Report
Docket: 50-341 FERMI 2

Total Number of Hits in Date Range: 158
From 01/01/1999 to 12/31/1999
2x National Average: 226

| Details | Department | Work Type | Docket/Report |
|------------------------|--------------------------------------|--------------------|----------------|
| Communications IR | | | |
| Number of items: 10 | | | |
| Percent of total: 6.33 | | | |
| 54-No communication | I-Instrumentation & M-Maint / Repair | | 50-341/1998019 |
| | I-Instrumentation & | | |
| 55-Communication Eq | O-Operations | Q-Fire Protection | 50-341/1999005 |
| | O-Operations | | |
| 53-Communication LT | O-Operations | O-Control Room Ops | 50-341/1999007 |
| | O-Operations | | |
| 53-Communication LT | O-Operations | O-Control Room Ops | 50-341/1999007 |
| | O-Operations | | |
| 53-Communication LT | G-Engineering | R-Refueling | 50-341/1999007 |
| | G-Engineering | | |
| 52-Communication un | O-Operations | M-Maint / Repair | 50-341/1999009 |
| | O-Operations | | |
| 51-Misunderstood / | E-Electrical | M-Maint / Repair | 50-341/1999015 |
| | E-Electrical | | |
| 54-No communication | Z-Other | Z-Other | 50-341/1999017 |
| | Z-Other | | |
| 54-No communication | Z-Other | Z-Other | 50-341/1999017 |
| | Z-Other | | |
| 54-No communication | Z-Other | Z-Other | 50-341/1999017 |
| | Z-Other | | |

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

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

Human-System Interface and Environm IR
Number of items: 0
Percent of total: 0

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: 16
Percent of total: 10.13

| | | | |
|---------------------|---------------------|------------------|----------------|
| 36-Scheduling and p | W-Work Control / Sc | M-Maint / Repair | 50-341/1998019 |
| 36-Scheduling and p | E-Electrical | M-Maint / Repair | 50-341/1998019 |
| 47-Root Cause LTA | G-Engineering | Z-Other | 50-341/1999002 |
| 43-Operating Experi | G-Engineering | Z-Other | 50-341/1999002 |

Page: 1 Date:03/17/2000

Combined IR/ER/LER Report
Docket: 50-341 FERMI 2

Total Number of Hits in Date Range: 158
From 01/01/1999 to 12/31/1999
2x National Average: 226

| Details | Department | Work Type | Docket/Report |
|-------------------------------|---------------------|------------------|----------------|
| Management and Supervision IR | | | |
| Number of items: 16 | | | |
| Percent of Total: 10.13 | | | |
| 47-Root Cause LTA | O-Operations | Z-Other | 50-341/1999003 |
| 36-Scheduling and p | W-Work Control / Sc | M-Maint / Repair | 50-341/1999003 |

Human Factors Information System Report

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 41-Action not begun | E-Electrical | Z-Other | 50-341/1999003 |
| 41-Action not begun | E-Electrical | Z-Other | 50-341/1999003 |
| 48-Audits or proble | O-Operations | Q-Fire Protection | 50-341/1999005 |
| 33-Management expec | B-Plant Management | O-Control Room Ops | 50-341/1999007 |
| 33-Management expec | B-Plant Management | M-Maint / Repair | 50-341/1999007 |
| 43-Operating Experi | G-Engineering | Z-Other | 50-341/1999011 |
| 36-Scheduling and p | W-Work Control / Sc | S-Surveillance | 50-341/1999014 |
| 36-Scheduling and p | W-Work Control / Sc | S-Surveillance | 50-341/1999014 |
| 36-Scheduling and p | E-Electrical | S-Surveillance | 50-341/1999014 |
| 40-Individual Corre | T-Training | Z-Other | 50-341/1999020 |

Management and Supervision ER

Number of items: 0
Percent of total: 0

Management and Supervision LER

Number of items: 1
Percent of total: .63

| | | | |
|---------------------|--------------|------------------|------------------|
| 40-Individual Corre | M-Mechanical | M-Maint / Repair | 50-341/199900200 |
|---------------------|--------------|------------------|------------------|

Organizational Issues IR

Number of items: 6
Percent of total: 3.8

| | | | |
|---------------------|------------------|--------------------|----------------|
| 21-Staffing LTA | O-Operations | B-Bal of Plant Ops | 50-341/1999003 |
| 22-Poor Task Alloca | O-Operations | B-Bal of Plant Ops | 50-341/1999003 |
| 26-OT controls / sc | O-Operations | O-Control Room Ops | 50-341/1999007 |
| 26-OT controls / sc | M-Mechanical | M-Maint / Repair | 50-341/1999007 |
| 26-OT controls / sc | G-Engineering | G-Design | 50-341/1999007 |
| 26-OT controls / sc | H-Health Physics | H-Health Physics | 50-341/1999007 |

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: 26
Percent of total: 16.46

| | | | |
|---------------------|---------------------|-----------------|----------------|
| 13-Procedure has hu | O-Operations | Z-Other | 50-341/1998019 |
| 12-Procedure techni | G-Engineering | G-Design | 50-341/1999002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-341/1999002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-341/1999002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-341/1999002 |
| 12-Procedure techni | G-Engineering | G-Design | 50-341/1999002 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999003 |

Page: 2 Date:03/17/2000

Combined IR/ER/LER Report

Docket: 50-341 FERMI 2

Total Number of Hits in Date Range: 158

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: 26
Percent of Total: 16.46

| | | | |
|---------------------|---------------------|------------------|----------------|
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999003 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-341/1999003 |
| 13-Procedure has hu | Q-QA/QC | Z-Other | 50-341/1999004 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-341/1999005 |
| 14-Document develop | P-Procedure Writers | P-Procedure Dev | 50-341/1999007 |
| 13-Procedure has hu | G-Engineering | R-Refueling | 50-341/1999007 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999009 |
| 11-No procedure / r | P-Procedure Writers | P-Procedure Dev | 50-341/1999009 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999011 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev | 50-341/1999011 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999011 |
| 13-Procedure has hu | G-Engineering | G-Design | 50-341/1999011 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999014 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999014 |
| 11-No procedure / r | G-Engineering | G-Design | 50-341/1999014 |
| 11-No procedure / r | H-Health Physics | H-Health Physics | 50-341/1999015 |
| 11-No procedure / r | Z-Other | Z-Other | 50-341/1999017 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999020 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev | 50-341/1999020 |

Procedures and Reference Document ER

Number of items: 0
Percent of total: 0

Procedures and Reference Document LER

Number of items: 1
Percent of total: .63

12-Procedure techni M-Mechanical M-Maint / Repair 50-341/199900800

Training IR

Number of items: 11
Percent of total: 6.96

| | | | |
|---------------------|--------------|------------------|----------------|
| 01-No Training | O-Operations | P-Procedure Dev | 50-341/1999001 |
| 06-Simulator fideli | T-Training | Z-Other | 50-341/1999003 |
| 06-Simulator fideli | T-Training | Z-Other | 50-341/1999003 |
| 02-Training LTA | T-Training | H-Health Physics | 50-341/1999011 |
| 02-Training LTA | T-Training | H-Health Physics | 50-341/1999011 |
| 02-Training LTA | T-Training | K-Housekeeping | 50-341/1999011 |
| 02-Training LTA | T-Training | H-Health Physics | 50-341/1999011 |
| 02-Training LTA | T-Training | M-Maint / Repair | 50-341/1999014 |
| 03-Training process | T-Training | Z-Other | 50-341/1999015 |
| 06-Simulator fideli | T-Training | Z-Other | 50-341/1999020 |
| 03-Training process | T-Training | Z-Other | 50-341/1999020 |

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: 87
Percent of total: 55.06

83-Work practice or O-Operations A-Administrative 50-341/1998019
Page: 3 Date:03/17/2000

Combined IR/ER/LER Report

Docket: 50-341 FERMI 2

Total Number of Hits in Date Range: 158
From 01/01/1999 to 12/31/1999
2x National Average: 226

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

Work Factors IR

Number of items: 87
Percent of Total: 55.06

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 83-Work practice or | O-Operations | A-Administrative | 50-341/1998019 |
| 83-Work practice or | O-Operations | A-Administrative | 50-341/1998019 |
| 83-Work practice or | O-Operations | A-Administrative | 50-341/1998019 |
| 93-Awareness or att | O-Operations | A-Administrative | 50-341/1998019 |
| 93-Awareness or att | O-Operations | A-Administrative | 50-341/1998019 |
| 93-Awareness or att | O-Operations | A-Administrative | 50-341/1998019 |
| 85-Team interaction | E-Electrical | M-Maint / Repair | 50-341/1998019 |
| 85-Team interaction | W-Work Control / Sc | M-Maint / Repair | 50-341/1998019 |
| 92-Self check LTA | E-Electrical | M-Maint / Repair | 50-341/1998019 |
| 83-Work practice or | G-Engineering | T-Testing | 50-341/1998019 |
| 83-Work practice or | G-Engineering | F-Modification | 50-341/1999002 |
| 91-Verification / p | G-Engineering | F-Modification | 50-341/1999002 |
| 83-Work practice or | G-Engineering | F-Modification | 50-341/1999002 |
| 93-Awareness or att | G-Engineering | G-Design | 50-341/1999002 |
| 83-Work practice or | G-Engineering | F-Modification | 50-341/1999002 |
| 83-Work practice or | G-Engineering | A-Administrative | 50-341/1999002 |
| 83-Work practice or | G-Engineering | A-Administrative | 50-341/1999002 |
| 83-Work practice or | G-Engineering | A-Administrative | 50-341/1999002 |
| 83-Work practice or | O-Operations | S-Surveillance | 50-341/1999003 |
| 85-Team interaction | O-Operations | B-Bal of Plant Ops | 50-341/1999003 |
| 85-Team interaction | H-Health Physics | B-Bal of Plant Ops | 50-341/1999003 |
| 83-Work practice or | O-Operations | B-Bal of Plant Ops | 50-341/1999003 |
| 84-Non-conserv. dec | O-Operations | B-Bal of Plant Ops | 50-341/1999003 |
| 93-Awareness or att | O-Operations | B-Bal of Plant Ops | 50-341/1999003 |
| 92-Self check LTA | O-Operations | B-Bal of Plant Ops | 50-341/1999003 |
| 93-Awareness or att | E-Electrical | M-Maint / Repair | 50-341/1999003 |
| 93-Awareness or att | E-Electrical | M-Maint / Repair | 50-341/1999003 |
| 93-Awareness or att | E-Electrical | M-Maint / Repair | 50-341/1999003 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-341/1999003 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-341/1999003 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-341/1999003 |
| 93-Awareness or att | U-Unknown | M-Maint / Repair | 50-341/1999003 |

Human Factors Information System Report

| | | | |
|---------------------|---------------------|--------------------|----------------|
| 93-Awareness or att | D-Emergency Plannin | A-Administrative | 50-341/1999004 |
| 81-Work Package Qua | G-Engineering | G-Design | 50-341/1999005 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-341/1999006 |
| 89-Housekeeping LTA | U-Unknown | K-Housekeeping | 50-341/1999006 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-341/1999007 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-341/1999007 |
| 93-Awareness or att | O-Operations | A-Administrative | 50-341/1999007 |
| 93-Awareness or att | O-Operations | A-Administrative | 50-341/1999007 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-341/1999007 |
| 83-Work practice or | O-Operations | A-Administrative | 50-341/1999007 |
| 83-Work practice or | O-Operations | A-Administrative | 50-341/1999007 |
| 83-Work practice or | O-Operations | A-Administrative | 50-341/1999007 |
| 85-Team interaction | M-Mechanical | M-Maint / Repair | 50-341/1999007 |
| 83-Work practice or | M-Mechanical | M-Maint / Repair | 50-341/1999007 |
| 84-Non-conserv. dec | G-Engineering | V-Troubleshooting | 50-341/1999007 |
| 93-Awareness or att | G-Engineering | R-Refueling | 50-341/1999007 |
| 91-Verification / p | G-Engineering | R-Refueling | 50-341/1999007 |
| 83-Work practice or | G-Engineering | R-Refueling | 50-341/1999007 |

Page: 4 Date:03/17/2000

Combined IR/ER/LER Report
Docket: 50-341 FERMI 2Total Number of Hits in Date Range: 158
From 01/01/1999 to 12/31/1999
2x National Average: 226

| Details | Department | Work Type | Docket/Report |
|-------------------------|---------------------|--------------------|----------------|
| Work Factors IR | | | |
| Number of items: 87 | | | |
| Percent of Total: 55.06 | | | |
| 81-Work Package Qua | G-Engineering | F-Modification | 50-341/1999009 |
| 85-Team interaction | O-Operations | M-Maint / Repair | 50-341/1999009 |
| 94-Log-keeping or r | O-Operations | M-Maint / Repair | 50-341/1999009 |
| 93-Awareness or att | O-Operations | M-Maint / Repair | 50-341/1999009 |
| 93-Awareness or att | G-Engineering | P-Procedure Dev | 50-341/1999009 |
| 93-Awareness or att | O-Operations | B-Bal of Plant Ops | 50-341/1999011 |
| 92-Self check LTA | O-Operations | B-Bal of Plant Ops | 50-341/1999011 |
| 91-Verification / p | W-Work Control / Sc | M-Maint / Repair | 50-341/1999011 |
| 91-Verification / p | W-Work Control / Sc | M-Maint / Repair | 50-341/1999011 |
| 91-Verification / p | W-Work Control / Sc | M-Maint / Repair | 50-341/1999011 |
| 93-Awareness or att | W-Work Control / Sc | M-Maint / Repair | 50-341/1999011 |
| 93-Awareness or att | W-Work Control / Sc | M-Maint / Repair | 50-341/1999011 |
| 93-Awareness or att | W-Work Control / Sc | M-Maint / Repair | 50-341/1999011 |
| 83-Work practice or | E-Electrical | H-Health Physics | 50-341/1999011 |
| 83-Work practice or | E-Electrical | H-Health Physics | 50-341/1999011 |
| 93-Awareness or att | P-Procedure Writers | F-Modification | 50-341/1999011 |
| 93-Awareness or att | G-Engineering | F-Modification | 50-341/1999011 |
| 92-Self check LTA | O-Operations | S-Surveillance | 50-341/1999014 |
| 93-Awareness or att | O-Operations | S-Surveillance | 50-341/1999014 |
| 91-Verification / p | O-Operations | S-Surveillance | 50-341/1999014 |
| 81-Work Package Qua | W-Work Control / Sc | M-Maint / Repair | 50-341/1999014 |
| 93-Awareness or att | O-Operations | O-Control Room Ops | 50-341/1999015 |
| 93-Awareness or att | M-Mechanical | M-Maint / Repair | 50-341/1999015 |
| 82-Briefing, prep. | O-Operations | M-Maint / Repair | 50-341/1999015 |
| 81-Work Package Qua | W-Work Control / Sc | M-Maint / Repair | 50-341/1999015 |
| 93-Awareness or att | G-Engineering | G-Design | 50-341/1999015 |
| 84-Non-conserv. dec | G-Engineering | G-Design | 50-341/1999015 |
| 84-Non-conserv. dec | G-Engineering | G-Design | 50-341/1999015 |
| 84-Non-conserv. dec | G-Engineering | G-Design | 50-341/1999015 |
| 84-Non-conserv. dec | G-Engineering | G-Design | 50-341/1999015 |
| 93-Awareness or att | H-Health Physics | H-Health Physics | 50-341/1999015 |
| 91-Verification / p | H-Health Physics | H-Health Physics | 50-341/1999015 |
| 93-Awareness or att | G-Engineering | H-Health Physics | 50-341/1999015 |
| 85-Team interaction | Z-Other | Z-Other | 50-341/1999017 |
| 85-Team interaction | Z-Other | Z-Other | 50-341/1999017 |
| 85-Team interaction | Z-Other | Z-Other | 50-341/1999017 |

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

Page: 5 Date:03/17/2000

