

# 1999 Human Factors Information System Report for Plant Docket 285

Combined IR/ER/LER Report  
Docket: 50-285 FORT CALHOUN 1

Total Number of Hits in Date Range: 146  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

| Details                                 | Department         | Work Type          | Docket/Report  |
|---|--------------------|--------------------|----------------|
| Communications IR                       |                    |                    |                |
| Number of items: 1                      |                    |                    |                |
| Percent of total: .68                   |                    |                    |                |
| 54-No communication                     | M-Mechanical       | M-Maint / Repair   | 50-285/1999003 |
|   | M-Mechanical       |                    |                |
| 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: 2                      |                    |                    |                |
| Percent of total: 1.37                  |                    |                    |                |
| 62-Information orga                     | O-Operations       | B-Bal of Plant Ops | 50-285/1998027 |
| 62-Information orga                     | O-Operations       | B-Bal of Plant Ops | 50-285/1998027 |
| 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: 28                     |                    |                    |                |
| Percent of total: 19.18                 |                    |                    |                |
| 41-Action not begun                     | O-Operations       | Z-Other            | 50-285/1998019 |
| 41-Action not begun                     | O-Operations       | Z-Other            | 50-285/1998019 |
| 47-Root Cause LTA                       | O-Operations       | Z-Other            | 50-285/1998019 |
| 47-Root Cause LTA                       | O-Operations       | Z-Other            | 50-285/1998019 |
| 47-Root Cause LTA                       | O-Operations       | Z-Other            | 50-285/1998019 |
| 40-Individual Corre                     | O-Operations       | Z-Other            | 50-285/1998019 |
| 40-Individual Corre                     | C-Chemistry        | Z-Other            | 50-285/1998019 |
| 43-Operating Experi                     | O-Operations       | Z-Other            | 50-285/1998019 |
| 43-Operating Experi                     | G-Engineering      | Z-Other            | 50-285/1998019 |
| 43-Operating Experi                     | G-Engineering      | Z-Other            | 50-285/1998019 |
| 40-Individual Corre                     | O-Operations       | Z-Other            | 50-285/1998019 |
| 33-Management expec                     | O-Operations       | Z-Other            | 50-285/1998019 |
| 47-Root Cause LTA                       | G-Engineering      | Z-Other            | 50-285/1998027 |
| 43-Operating Experi                     | G-Engineering      | G-Design           | 50-285/1998027 |
| 48-Audits or proble                     | Q-QA/QC            | Z-Other            | 50-285/1998027 |
| 48-Audits or proble                     | O-Operations       | Z-Other            | 50-285/1999001 |
| 40-Individual Corre                     | O-Operations       | A-Administrative   | 50-285/1999001 |
| 40-Individual Corre                     | O-Operations       | A-Administrative   | 50-285/1999001 |
| 40-Individual Corre                     | O-Operations       | Z-Other            | 50-285/1999001 |
| 36-Scheduling and p                     | B-Plant Management | B-Bal of Plant Ops | 50-285/1999004 |

Page: 1 Date:03/17/2000

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| Details                       | Department    | Work Type | Docket/Report  |
|-------------------------------|---------------|-----------|----------------|
| Management and Supervision IR |               |           |                |
| Number of items: 28           |               |           |                |
| Percent of Total: 19.18       |               |           |                |
| 41-Action not begun           | G-Engineering | G-Design  | 50-285/1999010 |
| 41-Action not begun           | G-Engineering | Z-Other   | 50-285/1999010 |

## Human Factors Information System Report

|                     |                     |                   |                |
|---------------------|---------------------|-------------------|----------------|
| 41-Action not begun | G-Engineering       | Z-Other           | 50-285/1999010 |
| 44-Corrective Actio | G-Engineering       | Z-Other           | 50-285/1999010 |
| 48-Audits or proble | D-Emergency Plannin | D-Emergency Drill | 50-285/1999013 |
| 33-Management expec | D-Emergency Plannin | D-Emergency Drill | 50-285/1999013 |
| 47-Root Cause LTA   | D-Emergency Plannin | D-Emergency Drill | 50-285/1999013 |
| 41-Action not begun | D-Emergency Plannin | D-Emergency Drill | 50-285/1999013 |

## Management and Supervision ER

Number of items: 0  
Percent of total: 0

## Management and Supervision LER

Number of items: 1  
Percent of total: .68  
33-Management expec P-Procedure Writers P-Procedure Dev 50-285/19990601

## Organizational Issues IR

Number of items: 0  
Percent of total: 0

## 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: 20  
Percent of total: 13.7

|                     |                     |                   |                |
|---------------------|---------------------|-------------------|----------------|
| 11-No procedure / r | P-Procedure Writers | P-Procedure Dev   | 50-285/1998019 |
| 11-No procedure / r | P-Procedure Writers | P-Procedure Dev   | 50-285/1998019 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1998019 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1998019 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1998025 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1998025 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1998025 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1998025 |
| 12-Procedure techni | G-Engineering       | G-Design          | 50-285/1998027 |
| 13-Procedure has hu | P-Procedure Writers | G-Design          | 50-285/1998027 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1999001 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-285/1999001 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1999001 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-285/1999002 |
| 14-Document develop | P-Procedure Writers | D-Emergency Drill | 50-285/1999003 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-285/1999004 |
| 11-No procedure / r | O-Operations        | M-Maint / Repair  | 50-285/1999011 |

Page: 2 Date:03/17/2000

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2x National Average: 226

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

## Procedures and Reference Document IR

Number of items: 20  
Percent of Total: 13.7

|                     |                     |                   |                |
|---------------------|---------------------|-------------------|----------------|
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1999011 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-285/1999011 |
| 14-Document develop | D-Emergency Plannin | D-Emergency Drill | 50-285/1999013 |

## 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: .68  
12-Procedure techni M-Mechanical T-Testing 50-285/199900100

## Training IR

Number of items: 5  
Percent of total: 3.42

|                     |                     |                |                |
|---------------------|---------------------|----------------|----------------|
| 05-Individual knowl | E-Electrical        | T-Testing      | 50-285/1998019 |
| 01-No Training      | T-Training          | F-Modification | 50-285/1998025 |
| 05-Individual knowl | I-Instrumentation & | S-Surveillance | 50-285/1999011 |
| 05-Individual knowl | O-Operations        | S-Surveillance | 50-285/1999011 |

05-Individual knowl O-Operations B-Bal of Plant Ops 50-285/1999013

## Training ER

Number of items: 1

Percent of total: .68

02-Training LTA T-Training Z-Other 50-285/1999301

## Training LER

Number of items: 0

Percent of total: 0

## Work Factors IR

Number of items: 85

Percent of total: 58.22

85-Team interaction U-Unknown O-Control Room Ops 50-285/1998019

86-Work untimely O-Operations Z-Other 50-285/1998019

86-Work untimely O-Operations Z-Other 50-285/1998019

83-Work practice or O-Operations Z-Other 50-285/1998019

86-Work untimely O-Operations Z-Other 50-285/1998019

86-Work untimely O-Operations Z-Other 50-285/1998019

86-Work untimely O-Operations Z-Other 50-285/1998019

86-Work untimely O-Operations Z-Other 50-285/1998019

86-Work untimely O-Operations Z-Other 50-285/1998019

93-Awareness or att O-Operations Z-Other 50-285/1998019

83-Work practice or O-Operations Z-Other 50-285/1998019

83-Work practice or O-Operations Z-Other 50-285/1998019

83-Work practice or O-Operations Z-Other 50-285/1998019

83-Work practice or O-Operations Z-Other 50-285/1998019

93-Awareness or att W-Work Control / Sc M-Maint / Repair 50-285/1998019

93-Awareness or att W-Work Control / Sc M-Maint / Repair 50-285/1998019

Page: 3 Date:03/17/2000

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

## Work Factors IR

Number of items: 85

Percent of Total: 58.22

93-Awareness or att W-Work Control / Sc M-Maint / Repair 50-285/1998019

93-Awareness or att W-Work Control / Sc M-Maint / Repair 50-285/1998019

93-Awareness or att W-Work Control / Sc A-Administrative 50-285/1998019

93-Awareness or att M-Mechanical A-Administrative 50-285/1998019

81-Work Package Qua G-Engineering G-Design 50-285/1998019

84-Non-conserv. dec O-Operations A-Administrative 50-285/1998019

93-Awareness or att O-Operations A-Administrative 50-285/1998019

93-Awareness or att O-Operations A-Administrative 50-285/1998019

91-Verification / p O-Operations O-Control Room Ops 50-285/1998019

81-Work Package Qua G-Engineering F-Modification 50-285/1998019

93-Awareness or att O-Operations O-Control Room Ops 50-285/1998025

83-Work practice or O-Operations B-Bal of Plant Ops 50-285/1998025

83-Work practice or O-Operations B-Bal of Plant Ops 50-285/1998025

86-Work untimely G-Engineering P-Procedure Dev 50-285/1998025

86-Work untimely G-Engineering P-Procedure Dev 50-285/1998025

93-Awareness or att H-Health Physics H-Health Physics 50-285/1998025

93-Awareness or att H-Health Physics H-Health Physics 50-285/1998025

93-Awareness or att G-Engineering G-Design 50-285/1998027

83-Work practice or G-Engineering G-Design 50-285/1998027

83-Work practice or G-Engineering G-Design 50-285/1998027

83-Work practice or G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering A-Administrative 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

93-Awareness or att G-Engineering G-Design 50-285/1998027

83-Work practice or G-Engineering A-Administrative 50-285/1998027

83-Work practice or G-Engineering A-Administrative 50-285/1998027

84-Non-conserv. dec G-Engineering G-Design 50-285/1998027

83-Work practice or G-Engineering F-Modification 50-285/1998027

83-Work practice or G-Engineering F-Modification 50-285/1998027

86-Work untimely G-Engineering G-Design 50-285/1998027

## Human Factors Information System Report

|                     |                     |                    |                |
|---------------------|---------------------|--------------------|----------------|
| 86-Work untimely    | P-Procedure Writers | P-Procedure Dev    | 50-285/1998027 |
| 86-Work untimely    | P-Procedure Writers | P-Procedure Dev    | 50-285/1998027 |
| 86-Work untimely    | P-Procedure Writers | P-Procedure Dev    | 50-285/1998027 |
| 81-Work Package Qua | G-Engineering       | G-Design           | 50-285/1998027 |
| 93-Awareness or att | T-Training          | Z-Other            | 50-285/1999001 |
| 93-Awareness or att | G-Engineering       | A-Administrative   | 50-285/1999002 |
| 85-Team interaction | O-Operations        | O-Control Room Ops | 50-285/1999003 |
| 93-Awareness or att | G-Engineering       | A-Administrative   | 50-285/1999003 |
| 83-Work practice or | G-Engineering       | V-Troubleshooting  | 50-285/1999003 |
| 81-Work Package Qua | G-Engineering       | F-Modification     | 50-285/1999003 |
| 83-Work practice or | G-Engineering       | H-Health Physics   | 50-285/1999004 |
| 93-Awareness or att | E-Electrical        | S-Surveillance     | 50-285/1999008 |

Page: 4 Date:03/17/2000

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| Details                 | Department          | Work Type          | Docket/Report  |
|-------------------------|---------------------|--------------------|----------------|
| Work Factors IR         |                     |                    |                |
| Number of items: 85     |                     |                    |                |
| Percent of Total: 58.22 |                     |                    |                |
| 84-Non-conserv. dec     | O-Operations        | S-Surveillance     | 50-285/1999008 |
| 84-Non-conserv. dec     | G-Engineering       | G-Design           | 50-285/1999010 |
| 93-Awareness or att     | G-Engineering       | A-Administrative   | 50-285/1999010 |
| 84-Non-conserv. dec     | G-Engineering       | G-Design           | 50-285/1999010 |
| 84-Non-conserv. dec     | G-Engineering       | G-Design           | 50-285/1999010 |
| 84-Non-conserv. dec     | G-Engineering       | G-Design           | 50-285/1999010 |
| 84-Non-conserv. dec     | G-Engineering       | Z-Other            | 50-285/1999010 |
| 84-Non-conserv. dec     | O-Operations        | M-Maint / Repair   | 50-285/1999011 |
| 85-Team interaction     | O-Operations        | M-Maint / Repair   | 50-285/1999011 |
| 83-Work practice or     | M-Mechanical        | H-Health Physics   | 50-285/1999011 |
| 83-Work practice or     | H-Health Physics    | H-Health Physics   | 50-285/1999011 |
| 91-Verification / p     | O-Operations        | B-Bal of Plant Ops | 50-285/1999013 |
| 84-Non-conserv. dec     | O-Operations        | B-Bal of Plant Ops | 50-285/1999013 |
| 91-Verification / p     | D-Emergency Plannin | D-Emergency Drill  | 50-285/1999013 |
| 92-Self check LTA       | O-Operations        | Z-Other            | 50-285/1999301 |
| 92-Self check LTA       | O-Operations        | Z-Other            | 50-285/1999301 |
| 92-Self check LTA       | O-Operations        | Z-Other            | 50-285/1999301 |
| 92-Self check LTA       | O-Operations        | Z-Other            | 50-285/1999301 |
| 92-Self check LTA       | O-Operations        | Z-Other            | 50-285/1999301 |

Work Factors ER

Number of items: 0

Percent of total: 0

Work Factors LER

Number of items: 2

Percent of total: 1.37

|                     |              |                |                  |
|---------------------|--------------|----------------|------------------|
| 83-Work practice or | E-Electrical | F-Modification | 50-285/199900400 |
|---------------------|--------------|----------------|------------------|

|                   |               |                 |                  |
|-------------------|---------------|-----------------|------------------|
| 92-Self check LTA | G-Engineering | P-Procedure Dev | 50-285/199900601 |
|-------------------|---------------|-----------------|------------------|

Page: 5 Date:03/17/2000

**[End of File for Plant Docket 285 (1999)]**