

# 1999 Human Factors Information System Report for Plant Docket 413

Combined IR/ER/LER Report  
Docket: 50-413 CATAWBA 1

Total Number of Hits in Date Range: 109  
From 01/01/1999 to 12/31/1999  
2x National Average: 226

| Details                                 | Department                           | Work Type        | Docket/Report    |
|---|--------------------------------------|------------------|------------------|
| Communications IR                       |                                      |                  |                  |
| Number of items: 2                      |                                      |                  |                  |
| Percent of total: 1.83                  |                                      |                  |                  |
| 53-Communication LT                     | G-Engineering                        | Z-Other          | 50-413/1999003   |
|   | G-Engineering                        |                  |                  |
| 53-Communication LT                     | Z-Other                              | A-Administrative | 50-413/1999007   |
|   | Z-Other                              |                  |                  |
| Communications ER                       |                                      |                  |                  |
| Number of items: 0                      |                                      |                  |                  |
| Percent of total: 0                     |                                      |                  |                  |
| Communications LER                      |                                      |                  |                  |
| Number of items: 3                      |                                      |                  |                  |
| Percent of total: 2.75                  |                                      |                  |                  |
| 53-Communication LT                     | I-Instrumentation & M-Maint / Repair |                  | 50-413/199900600 |
|   | O-Operations                         |                  |                  |
| 53-Communication LT                     | I-Instrumentation & M-Maint / Repair |                  | 50-413/199900601 |
|   | I-Instrumentation &                  |                  |                  |
| 53-Communication LT                     | O-Operations                         | M-Maint / Repair | 50-413/199900601 |
|   | O-Operations                         |                  |                  |
| 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: 11                     |                                      |                  |                  |
| Percent of total: 10.09                 |                                      |                  |                  |
| 36-Scheduling and p                     | T-Training                           | Z-Other          | 50-413/1997300   |
| 36-Scheduling and p                     | T-Training                           | Z-Other          | 50-413/1997300   |
| 40-Individual Corre                     | M-Mechanical                         | A-Administrative | 50-413/1998015   |
| 47-Root Cause LTA                       | G-Engineering                        | Z-Other          | 50-413/1999001   |
| 47-Root Cause LTA                       | G-Engineering                        | Z-Other          | 50-413/1999003   |
| 47-Root Cause LTA                       | G-Engineering                        | Z-Other          | 50-413/1999003   |
| 47-Root Cause LTA                       | G-Engineering                        | Z-Other          | 50-413/1999003   |
| 40-Individual Corre                     | G-Engineering                        | Z-Other          | 50-413/1999005   |
| 47-Root Cause LTA                       | O-Operations                         | Z-Other          | 50-413/1999007   |
| 44-Corrective Actio                     | G-Engineering                        | Z-Other          | 50-413/1999007   |
| 41-Action not begun                     | G-Engineering                        | Z-Other          | 50-413/1999007   |
| Management and Supervision ER           |                                      |                  |                  |
| Number of items: 0                      |                                      |                  |                  |
| Percent of total: 0                     |                                      |                  |                  |
| Management and Supervision LER          |                                      |                  |                  |
| Number of items: 5                      |                                      |                  |                  |
| Percent of total: 4.59                  |                                      |                  |                  |
| 40-Individual Corre                     | M-Mechanical                         | M-Maint / Repair | 50-413/199900300 |

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## Management and Supervision LER

Number of items: 5

Percent of Total: 4.59

|                     |                     |                  |                  |
|---------------------|---------------------|------------------|------------------|
| 44-Corrective Actio | O-Operations        | S-Surveillance   | 50-413/199900501 |
| 36-Scheduling and p | M-Mechanical        | M-Maint / Repair | 50-413/199900700 |
| 33-Management expec | M-Mechanical        | M-Maint / Repair | 50-413/199900801 |
| 36-Scheduling and p | W-Work Control / Sc | M-Maint / Repair | 50-413/199900801 |

## 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: 21

Percent of total: 19.27

|                     |                     |                   |                |
|---------------------|---------------------|-------------------|----------------|
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-413/1997300 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1997300 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1997300 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1997300 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1997300 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1997300 |
| 13-Procedure has hu | H-Health Physics    | H-Health Physics  | 50-413/1997300 |
| 13-Procedure has hu | D-Emergency Plannin | D-Emergency Drill | 50-413/1997300 |
| 11-No procedure / r | C-Chemistry         | P-Procedure Dev   | 50-413/1998011 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-413/1998012 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-413/1998012 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1999001 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1999001 |
| 14-Document develop | P-Procedure Writers | P-Procedure Dev   | 50-413/1999001 |
| 11-No procedure / r | P-Procedure Writers | P-Procedure Dev   | 50-413/1999002 |
| 13-Procedure has hu | P-Procedure Writers | P-Procedure Dev   | 50-413/1999005 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1999005 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1999005 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1999005 |
| 12-Procedure techni | G-Engineering       | G-Design          | 50-413/1999007 |
| 12-Procedure techni | P-Procedure Writers | P-Procedure Dev   | 50-413/1999010 |

## Procedures and Reference Document ER

Number of items: 0

Percent of total: 0

## Procedures and Reference Document LER

Number of items: 7

Percent of total: 6.42

|                     |                     |                 |                  |
|---------------------|---------------------|-----------------|------------------|
| 14-Document develop | I-Instrumentation & | P-Procedure Dev | 50-413/199900400 |
|---------------------|---------------------|-----------------|------------------|

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## Procedures and Reference Document LER

Number of items: 7

Percent of Total: 6.42

|                     |                     |                    |                  |
|---------------------|---------------------|--------------------|------------------|
| 12-Procedure techni | O-Operations        | S-Surveillance     | 50-413/199900501 |
| 12-Procedure techni | O-Operations        | O-Control Room Ops | 50-413/199900700 |
| 12-Procedure techni | I-Instrumentation & | T-Testing          | 50-413/199901100 |
| 12-Procedure techni | M-Mechanical        | M-Maint / Repair   | 50-413/199901500 |
| 11-No procedure / r | M-Mechanical        | T-Testing          | 50-413/199901500 |
| 12-Procedure techni | E-Electrical        | T-Testing          | 50-413/199901700 |

## Training IR

Number of items: 10

Percent of total: 9.17

|                     |              |         |                |
|---------------------|--------------|---------|----------------|
| 05-Individual knowl | O-Operations | Z-Other | 50-413/1997300 |
| 05-Individual knowl | O-Operations | Z-Other | 50-413/1997300 |
| 05-Individual knowl | O-Operations | Z-Other | 50-413/1997300 |
| 05-Individual knowl | O-Operations | Z-Other | 50-413/1997300 |

|                     |              |                  |                |
|---------------------|--------------|------------------|----------------|
| 05-Individual knowl | O-Operations | Z-Other          | 50-413/1997300 |
| 05-Individual knowl | O-Operations | Z-Other          | 50-413/1997300 |
| 05-Individual knowl | O-Operations | Z-Other          | 50-413/1997300 |
| 06-Simulator fideli | T-Training   | Z-Other          | 50-413/1997300 |
| 03-Training process | T-Training   | A-Administrative | 50-413/1997300 |
| 02-Training LTA     | T-Training   | G-Design         | 50-413/1998015 |

## Training ER

Number of items: 1

Percent of total: .92

|                 |            |                  |                |
|-----------------|------------|------------------|----------------|
| 02-Training LTA | T-Training | H-Health Physics | 50-413/1999302 |
|-----------------|------------|------------------|----------------|

## Training LER

Number of items: 1

Percent of total: .92

|                 |              |                  |                  |
|-----------------|--------------|------------------|------------------|
| 02-Training LTA | M-Mechanical | M-Maint / Repair | 50-413/199900801 |
|-----------------|--------------|------------------|------------------|

## Work Factors IR

Number of items: 41

Percent of total: 37.61

|                     |                     |                  |                |
|---------------------|---------------------|------------------|----------------|
| 81-Work Package Qua | T-Training          | Z-Other          | 50-413/1997300 |
| 83-Work practice or | T-Training          | Z-Other          | 50-413/1997300 |
| 91-Verification / p | T-Training          | Z-Other          | 50-413/1997300 |
| 91-Verification / p | T-Training          | Z-Other          | 50-413/1997300 |
| 83-Work practice or | T-Training          | A-Administrative | 50-413/1997300 |
| 93-Awareness or att | T-Training          | Z-Other          | 50-413/1997300 |
| 82-Briefing, prep.  | O-Operations        | Z-Other          | 50-413/1997300 |
| 82-Briefing, prep.  | O-Operations        | Z-Other          | 50-413/1997300 |
| 84-Non-conserv. dec | O-Operations        | F-Modification   | 50-413/1997300 |
| 84-Non-conserv. dec | O-Operations        | F-Modification   | 50-413/1997300 |
| 84-Non-conserv. dec | O-Operations        | F-Modification   | 50-413/1997300 |
| 83-Work practice or | U-Unknown           | H-Health Physics | 50-413/1997300 |
| 83-Work practice or | U-Unknown           | H-Health Physics | 50-413/1997300 |
| 84-Non-conserv. dec | D-Emergency Plannin | Z-Other          | 50-413/1997300 |
| 83-Work practice or | T-Training          | Z-Other          | 50-413/1998011 |
| 93-Awareness or att | O-Operations        | A-Administrative | 50-413/1998015 |

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

## Work Factors IR

Number of items: 41

Percent of Total: 37.61

|                     |                  |                    |                |
|---------------------|------------------|--------------------|----------------|
| 93-Awareness or att | O-Operations     | A-Administrative   | 50-413/1998015 |
| 93-Awareness or att | O-Operations     | A-Administrative   | 50-413/1998015 |
| 93-Awareness or att | G-Engineering    | A-Administrative   | 50-413/1999001 |
| 93-Awareness or att | O-Operations     | O-Control Room Ops | 50-413/1999002 |
| 84-Non-conserv. dec | O-Operations     | O-Control Room Ops | 50-413/1999002 |
| 87-Non-conservative | O-Operations     | Q-Fire Protection  | 50-413/1999002 |
| 87-Non-conservative | O-Operations     | Q-Fire Protection  | 50-413/1999002 |
| 87-Non-conservative | O-Operations     | Q-Fire Protection  | 50-413/1999002 |
| 87-Non-conservative | O-Operations     | Q-Fire Protection  | 50-413/1999002 |
| 93-Awareness or att | O-Operations     | Q-Fire Protection  | 50-413/1999002 |
| 84-Non-conserv. dec | O-Operations     | M-Maint / Repair   | 50-413/1999003 |
| 83-Work practice or | M-Mechanical     | M-Maint / Repair   | 50-413/1999003 |
| 83-Work practice or | O-Operations     | H-Health Physics   | 50-413/1999003 |
| 82-Briefing, prep.  | O-Operations     | H-Health Physics   | 50-413/1999003 |
| 83-Work practice or | O-Operations     | H-Health Physics   | 50-413/1999003 |
| 83-Work practice or | O-Operations     | H-Health Physics   | 50-413/1999003 |
| 83-Work practice or | M-Mechanical     | M-Maint / Repair   | 50-413/1999005 |
| 83-Work practice or | O-Operations     | O-Control Room Ops | 50-413/1999007 |
| 83-Work practice or | O-Operations     | O-Control Room Ops | 50-413/1999007 |
| 83-Work practice or | O-Operations     | O-Control Room Ops | 50-413/1999007 |
| 83-Work practice or | O-Operations     | O-Control Room Ops | 50-413/1999007 |
| 83-Work practice or | O-Operations     | O-Control Room Ops | 50-413/1999007 |
| 83-Work practice or | O-Operations     | O-Control Room Ops | 50-413/1999007 |
| 83-Work practice or | O-Operations     | H-Health Physics   | 50-413/1999007 |
| 83-Work practice or | H-Health Physics | H-Health Physics   | 50-413/1999007 |
| 84-Non-conserv. dec | O-Operations     | O-Control Room Ops | 50-413/1999011 |

## Work Factors ER

Number of items: 1

Percent of total: .92

|                     |            |         |                |
|---------------------|------------|---------|----------------|
| 93-Awareness or att | T-Training | Z-Other | 50-413/1999302 |
|---------------------|------------|---------|----------------|

## Work Factors LER

Number of items: 6  
Percent of total: 5.5

|                     |                                       |                  |
|---------------------|---------------------------------------|------------------|
| 92-Self check LTA   | I-Instrumentation & M-Maint / Repair  | 50-413/199900601 |
| 91-Verification / p | O-Operations P-Procedure Dev          | 50-413/199900700 |
| 81-Work Package Qua | M-Mechanical M-Maint / Repair         | 50-413/199900801 |
| 81-Work Package Qua | M-Mechanical M-Maint / Repair         | 50-413/199900801 |
| 84-Non-conserv. dec | I-Instrumentation & T-Testing         | 50-413/199900901 |
| 84-Non-conserv. dec | I-Instrumentation & V-Troubleshooting | 50-413/199900901 |

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**[End of File for Plant Docket 413 (1999)]**

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