

**U.S. Nuclear Regulatory Commission  
Human Factors Information System (HFIS)  
IR/LER Category Analysis by Docket Report**

Total Number of Hits: 133

National Average: 56

2x National Average: 112

National Median: 25

Average for Selected Dockets: 133

---

**Facility Name: Hope Creek 1 Docket (050- 00354)**

| Details   | Department                    | Work Type                | Docket/Report      |
|---|-------------------------------|--------------------------|--------------------|
| <b>Communication / IR</b>   |                               |                          |                    |
| 160 - No communication / information not communicated                 | B - Management                | O - Control Room Ops     | 050-00354/2005-013 |
| 160 - No communication / information not communicated                 | B - Management                | Z - Other / Unknown      | 050-00354/2005-013 |
| 160 - No communication / information not communicated                 | G - Engineering               | G - Design               | 050-00354/2005-006 |
| 160 - No communication / information not communicated                 | O - Operations                | G - Design               | 050-00354/2005-006 |
| 160 - No communication / information not communicated                 | O - Operations                | O - Control Room Ops     | 050-00354/2005-013 |
| 160 - No communication / information not communicated                 | Z - Other / Unknown           | Z - Other / Unknown      | 050-00354/2005-013 |
| 160 - No communication / information not communicated                 | Z - Other / Unknown           | Z - Other / Unknown      | 050-00354/2005-013 |
| 160 - No communication / information not communicated                 | Z - Other / Unknown           | Z - Other / Unknown      | 050-00354/2005-013 |
| <b>Number of Items for this Docket: 8</b>                             |                               |                          |                    |
| <b>Percent of Total for this Docket: 6</b>                            |                               |                          |                    |
| <b>Human-System Interface &amp; Environmnt / IR</b>                   |                               |                          |                    |
| 170 - HSI or information availability / quality LTA                   | I - Instrumentation & Control | S - Surveillance         | 050-00354/2005-002 |
| 170 - HSI or information availability / quality LTA                   | O - Operations                | O - Control Room Ops     | 050-00354/2004-013 |
| 170 - HSI or information availability / quality LTA                   | Z - Other / Unknown           | S - Surveillance         | 050-00354/2005-002 |
| <b>Number of Items for this Docket: 3</b>                             |                               |                          |                    |
| <b>Percent of Total for this Docket: 2</b>                            |                               |                          |                    |
| <b>Oversight / IR</b>   |                               |                          |                    |
| 130 - Inadequate supervision / command and control                    | B - Management                | G - Design               | 050-00354/2004-013 |
| 130 - Inadequate supervision / command and control                    | G - Engineering               | G - Design               | 050-00354/2005-006 |
| 130 - Inadequate supervision / command and control                    | G - Engineering               | V - Troubleshooting      | 050-00354/2004-013 |
| 130 - Inadequate supervision / command and control                    | G - Engineering               | V - Troubleshooting      | 050-00354/2004-013 |
| 130 - Inadequate supervision / command and control                    | Z - Other / Unknown           | Z - Other / Unknown      | 050-00354/2005-013 |
| 131 - Management expectations or directions LTA                       | B - Management                | M - Maintenance / Repair | 050-00354/2004-013 |
| 131 - Management expectations or directions LTA                       | B - Management                | Z - Other / Unknown      | 050-00354/2005-002 |
| 131 - Management expectations or directions LTA                       | Z - Other / Unknown           | Z - Other / Unknown      | 050-00354/2005-013 |
| <b>Number of Items for this Docket: 8</b>                             |                               |                          |                    |
| <b>Percent of Total for this Docket: 6</b>                            |                               |                          |                    |
| <b>Procedures &amp; Reference Document / IR</b>                       |                               |                          |                    |
| 111 - Procedure / reference document technical content                | G - Engineering               | M - Maintenance / Repair | 050-00354/2005-002 |
| 111 - Procedure / reference document technical content                | M - Mechanical                | M - Maintenance / Repair | 050-00354/2005-006 |
| 111 - Procedure / reference document technical content                | P - Procedure Writers         | P - Procedure Dev        | 050-00354/2004-013 |
| 112 - Procedure / reference document contains human factors deficienc | O - Operations                | O - Control Room Ops     | 050-00354/2005-006 |

**U.S. Nuclear Regulatory Commission  
Human Factors Information System (HFIS)  
IR/LER Category Analysis by Docket Report**

Total Number of Hits: 133

National Average: 56

2x National Average: 112

National Median: 25

Average for Selected Dockets: 133

---

**Facility Name: Hope Creek 1 Docket (050- 00354)**

| Details  | Department                 | Work Type                | Docket/Report      |
|--|----------------------------|--------------------------|--------------------|
| <b>Procedures &amp; Reference Document / IR</b>                    |                            |                          |                    |
| 113 - Procedure / reference document development and maintenance L | A - Administrative Support | A - Administrative       | 050-00354/2005-004 |
| 113 - Procedure / reference document development and maintenance L | P - Procedure Writers      | O - Control Room Ops     | 050-00354/2004-013 |
| 113 - Procedure / reference document development and maintenance L | P - Procedure Writers      | O - Control Room Ops     | 050-00354/2004-013 |
| <b>Number of Items for this Docket: 7</b>                          |                            |                          |                    |
| <b>Percent of Total for this Docket: 5</b>                         |                            |                          |                    |
| <hr/>  |                            |                          |                    |
| <b>Problem Identification &amp; Resolution / IR</b>                |                            |                          |                    |
| 142 - Operating experience (OE) review LTA                         | G - Engineering            | G - Design               | 050-00354/2005-004 |
| 142 - Operating experience (OE) review LTA                         | M - Mechanical             | G - Design               | 050-00354/2005-002 |
| 142 - Operating experience (OE) review LTA                         | O - Operations             | O - Control Room Ops     | 050-00354/2004-013 |
| 144 - Audit / self-assessment / effectiveness review LTA           | B - Management             | O - Control Room Ops     | 050-00354/2005-002 |
| 144 - Audit / self-assessment / effectiveness review LTA           | B - Management             | Z - Other / Unknown      | 050-00354/2005-002 |
| 144 - Audit / self-assessment / effectiveness review LTA           | B - Management             | Z - Other / Unknown      | 050-00354/2005-004 |
| 144 - Audit / self-assessment / effectiveness review LTA           | B - Management             | Z - Other / Unknown      | 050-00354/2005-013 |
| 144 - Audit / self-assessment / effectiveness review LTA           | G - Engineering            | G - Design               | 050-00354/2005-006 |
| 144 - Audit / self-assessment / effectiveness review LTA           | G - Engineering            | G - Design               | 050-00354/2005-006 |
| 144 - Audit / self-assessment / effectiveness review LTA           | G - Engineering            | O - Control Room Ops     | 050-00354/2004-013 |
| 144 - Audit / self-assessment / effectiveness review LTA           | G - Engineering            | T - Testing              | 050-00354/2005-006 |
| 145 - Causal development LTA                                       | B - Management             | Z - Other / Unknown      | 050-00354/2005-013 |
| 145 - Causal development LTA                                       | B - Management             | Z - Other / Unknown      | 050-00354/2005-013 |
| 145 - Causal development LTA                                       | G - Engineering            | M - Maintenance / Repair | 050-00354/2005-003 |
| 145 - Causal development LTA                                       | M - Mechanical             | M - Maintenance / Repair | 050-00354/2004-013 |
| 145 - Causal development LTA                                       | O - Operations             | O - Control Room Ops     | 050-00354/2005-006 |
| 145 - Causal development LTA                                       | Z - Other / Unknown        | Z - Other / Unknown      | 050-00354/2005-013 |
| 147 - Individual corrective action LTA                             | E - Electrical             | M - Maintenance / Repair | 050-00354/2005-006 |
| 147 - Individual corrective action LTA                             | E - Electrical             | M - Maintenance / Repair | 050-00354/2005-006 |
| 147 - Individual corrective action LTA                             | G - Engineering            | G - Design               | 050-00354/2005-004 |
| 147 - Individual corrective action LTA                             | G - Engineering            | G - Design               | 050-00354/2005-006 |
| 147 - Individual corrective action LTA                             | G - Engineering            | G - Design               | 050-00354/2005-006 |
| 147 - Individual corrective action LTA                             | M - Mechanical             | M - Maintenance / Repair | 050-00354/2004-013 |
| 147 - Individual corrective action LTA                             | M - Mechanical             | M - Maintenance / Repair | 050-00354/2005-002 |
| 147 - Individual corrective action LTA                             | O - Operations             | G - Design               | 050-00354/2005-006 |
| 147 - Individual corrective action LTA                             | O - Operations             | O - Control Room Ops     | 050-00354/2005-006 |

**U.S. Nuclear Regulatory Commission  
Human Factors Information System (HFIS)  
IR/LER Category Analysis by Docket Report**

Total Number of Hits: 133

National Average: 56

2x National Average: 112

National Median: 25

Average for Selected Dockets: 133

---

**Facility Name: Hope Creek 1 Docket (050- 00354)**

| Details   | Department                 | Work Type                | Docket/Report      |
|---|----------------------------|--------------------------|--------------------|
| <b>Problem Identification &amp; Resolution / IR</b> |                            |                          |                    |
| 147 - Individual corrective action LTA              | O - Operations             | O - Control Room Ops     | 050-00354/2005-006 |
| 148 - Action not yet started or untimely            | E - Electrical             | M - Maintenance / Repair | 050-00354/2005-006 |
| 148 - Action not yet started or untimely            | G - Engineering            | G - Design               | 050-00354/2005-004 |
| 148 - Action not yet started or untimely            | M - Mechanical             | M - Maintenance / Repair | 050-00354/2005-002 |
| 148 - Action not yet started or untimely            | M - Mechanical             | M - Maintenance / Repair | 050-00354/2005-013 |
| 148 - Action not yet started or untimely            | O - Operations             | O - Control Room Ops     | 050-00354/2005-002 |
| 148 - Action not yet started or untimely            | O - Operations             | O - Control Room Ops     | 050-00354/2005-006 |
| 148 - Action not yet started or untimely            | O - Operations             | O - Control Room Ops     | 050-00354/2005-006 |
| 148 - Action not yet started or untimely            | O - Operations             | O - Control Room Ops     | 050-00354/2005-013 |
| 148 - Action not yet started or untimely            | Z - Other / Unknown        | Z - Other / Unknown      | 050-00354/2005-013 |
| 149 - No action planned                             | A - Administrative Support | M - Maintenance / Repair | 050-00354/2005-002 |
| 149 - No action planned                             | B - Management             | Z - Other / Unknown      | 050-00354/2005-013 |
| 149 - No action planned                             | E - Electrical             | O - Control Room Ops     | 050-00354/2005-006 |
| 149 - No action planned                             | M - Mechanical             | M - Maintenance / Repair | 050-00354/2005-006 |
| 150 - Programmatic deficiency                       | B - Management             | O - Control Room Ops     | 050-00354/2005-006 |
| 150 - Programmatic deficiency                       | B - Management             | Z - Other / Unknown      | 050-00354/2005-013 |
| 150 - Programmatic deficiency                       | M - Mechanical             | M - Maintenance / Repair | 050-00354/2005-013 |
| 150 - Programmatic deficiency                       | M - Mechanical             | O - Control Room Ops     | 050-00354/2005-006 |
| 150 - Programmatic deficiency                       | M - Mechanical             | O - Control Room Ops     | 050-00354/2005-006 |
| 150 - Programmatic deficiency                       | O - Operations             | O - Control Room Ops     | 050-00354/2005-006 |
| 150 - Programmatic deficiency                       | O - Operations             | O - Control Room Ops     | 050-00354/2005-006 |
| 150 - Programmatic deficiency                       | O - Operations             | O - Control Room Ops     | 050-00354/2005-013 |
| <b>Number of Items for this Docket:</b> 48          |                            |                          |                    |
| <b>Percent of Total for this Docket:</b> 36         |                            |                          |                    |

**Training / IR**

|                                |                |                      |                    |
|--------------------------------|----------------|----------------------|--------------------|
| 100 - Training LTA             | O - Operations | T - Testing          | 050-00354/2005-002 |
| 101 - Training process problem | T - Training   | O - Control Room Ops | 050-00354/2004-013 |
| 102 - Individual knowledge LTA | O - Operations | O - Control Room Ops | 050-00354/2005-002 |
| 103 - Simulator training LTA   | O - Operations | O - Control Room Ops | 050-00354/2004-013 |
| 103 - Simulator training LTA   | T - Training   | F - Modification     | 050-00354/2004-005 |
| 103 - Simulator training LTA   | T - Training   | F - Modification     | 050-00354/2004-005 |
| 103 - Simulator training LTA   | T - Training   | O - Control Room Ops | 050-00354/2004-013 |

**U.S. Nuclear Regulatory Commission  
Human Factors Information System (HFIS)  
IR/LER Category Analysis by Docket Report**

Total Number of Hits: 133

National Average: 56

2x National Average: 112

National Median: 25

Average for Selected Dockets: 133

**Facility Name: Hope Creek 1 Docket (050- 00354)**

| Details   | Department                        | Work Type                | Docket/Report      |
|---|-----------------------------------|--------------------------|--------------------|
| <b>Training / IR</b>  |                                   |                          |                    |
| 103 - Simulator training LTA                                  | T - Training                      | O - Control Room Ops     | 050-00354/2004-013 |
| 103 - Simulator training LTA                                  | T - Training                      | O - Control Room Ops     | 050-00354/2004-013 |
| 103 - Simulator training LTA                                  | T - Training                      | O - Control Room Ops     | 050-00354/2004-013 |
| 103 - Simulator training LTA                                  | T - Training                      | O - Control Room Ops     | 050-00354/2004-013 |
| <b>Number of Items for this Docket: 11</b>                    |                                   |                          |                    |
| <b>Percent of Total for this Docket: 8</b>                    |                                   |                          |                    |
| <b>Work Planning &amp; Practices / IR</b>                     |                                   |                          |                    |
| 180 - Scheduling and planning LTA                             | A - Administrative Support        | M - Maintenance / Repair | 050-00354/2005-002 |
| 180 - Scheduling and planning LTA                             | M - Mechanical                    | M - Maintenance / Repair | 050-00354/2005-013 |
| 184 - Tag outs LTA  | M - Mechanical                    | M - Maintenance / Repair | 050-00354/2005-006 |
| 184 - Tag outs LTA  | M - Mechanical                    | M - Maintenance / Repair | 050-00354/2005-013 |
| 188 - Work practice or craft skill LTA                        | E - Electrical                    | O - Control Room Ops     | 050-00354/2004-005 |
| 188 - Work practice or craft skill LTA                        | E - Electrical                    | O - Control Room Ops     | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | G - Engineering                   | G - Design               | 050-00354/2005-004 |
| 188 - Work practice or craft skill LTA                        | G - Engineering                   | G - Design               | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | G - Engineering                   | G - Design               | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | H - Health Physics                | H - Health Physics       | 050-00354/2005-002 |
| 188 - Work practice or craft skill LTA                        | M - Mechanical                    | M - Maintenance / Repair | 050-00354/2004-005 |
| 188 - Work practice or craft skill LTA                        | M - Mechanical                    | M - Maintenance / Repair | 050-00354/2004-005 |
| 188 - Work practice or craft skill LTA                        | M - Mechanical                    | M - Maintenance / Repair | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | M - Mechanical                    | O - Control Room Ops     | 050-00354/2004-005 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | B - Bal of Plant Ops     | 050-00354/2005-004 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | O - Control Room Ops     | 050-00354/2004-013 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | O - Control Room Ops     | 050-00354/2004-013 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | O - Control Room Ops     | 050-00354/2005-004 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | O - Control Room Ops     | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | O - Control Room Ops     | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | O - Control Room Ops     | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | O - Control Room Ops     | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | O - Operations                    | O - Control Room Ops     | 050-00354/2005-006 |
| 188 - Work practice or craft skill LTA                        | Q - Quality assurance / oversight | Z - Other / Unknown      | 050-00354/2005-003 |
| 190 - Failure to stop work / non-conservative decision making | G - Engineering                   | G - Design               | 050-00354/2005-006 |
| 190 - Failure to stop work / non-conservative decision making | G - Engineering                   | G - Design               | 050-00354/2005-006 |

**U.S. Nuclear Regulatory Commission  
Human Factors Information System (HFIS)  
IR/LER Category Analysis by Docket Report**

Total Number of Hits: 133

National Average: 56

2x National Average: 112

National Median: 25

Average for Selected Dockets: 133

---

**Facility Name: Hope Creek 1 Docket (050- 00354)**

| Details   | Department          | Work Type                | Docket/Report         |
|---|---------------------|--------------------------|-----------------------|
| <b>Work Planning &amp; Practices / IR</b>                     |                     |                          |                       |
| 190 - Failure to stop work / non-conservative decision making | G - Engineering     | G - Design               | 050-00354/2005-006    |
| 190 - Failure to stop work / non-conservative decision making | G - Engineering     | S - Surveillance         | 050-00354/2005-003    |
| 190 - Failure to stop work / non-conservative decision making | H - Health Physics  | H - Health Physics       | 050-00354/2005-002    |
| 190 - Failure to stop work / non-conservative decision making | M - Mechanical      | M - Maintenance / Repair | 050-00354/2005-003    |
| 190 - Failure to stop work / non-conservative decision making | M - Mechanical      | M - Maintenance / Repair | 050-00354/2005-004    |
| 190 - Failure to stop work / non-conservative decision making | Z - Other / Unknown | Z - Other / Unknown      | 050-00354/2005-013    |
| 191 - Team interactions LTA                                   | B - Management      | A - Administrative       | 050-00354/2005-003    |
| 191 - Team interactions LTA                                   | B - Management      | Z - Other / Unknown      | 050-00354/2005-002    |
| 191 - Team interactions LTA                                   | M - Mechanical      | M - Maintenance / Repair | 050-00354/2005-013    |
| 191 - Team interactions LTA                                   | Z - Other / Unknown | Z - Other / Unknown      | 050-00354/2005-013    |
| 195 - Logkeeping or log review LTA                            | O - Operations      | O - Control Room Ops     | 050-00354/2005-006    |
| 195 - Logkeeping or log review LTA                            | O - Operations      | O - Control Room Ops     | 050-00354/2005-006    |
| 196 - Independent verification / plant tours LTA              | E - Electrical      | M - Maintenance / Repair | 050-00354/2005-003    |
| 198 - Worker distracted / interrupted                         | H - Health Physics  | H - Health Physics       | 050-00354/2005-002    |
| 198 - Worker distracted / interrupted                         | O - Operations      | O - Control Room Ops     | 050-00354/2004-013    |
| 198 - Worker distracted / interrupted                         | Z - Other / Unknown | Z - Other / Unknown      | 050-00354/2005-013    |
| <b>Number of Items for this Docket:</b> 41                    |                     |                          |                       |
| <b>Percent of Total for this Docket:</b> 31                   |                     |                          |                       |
| <b>Procedures &amp; Reference Document / LER</b>              |                     |                          |                       |
| 111 - Procedure / reference document technical content        | M - Mechanical      | M - Maintenance / Repair | 050-00354/2005-004-00 |
| 111 - Procedure / reference document technical content        | M - Mechanical      | M - Maintenance / Repair | 050-00354/2005-005-00 |
| 111 - Procedure / reference document technical content        | M - Mechanical      | M - Maintenance / Repair | 050-00354/2005-008-00 |
| <b>Number of Items for this Docket:</b> 3                     |                     |                          |                       |
| <b>Percent of Total for this Docket:</b> 2                    |                     |                          |                       |
| <b>Problem Identification &amp; Resolution / LER</b>          |                     |                          |                       |
| 142 - Operating experience (OE) review LTA                    | M - Mechanical      | M - Maintenance / Repair | 050-00354/2005-004-00 |
| <b>Number of Items for this Docket:</b> 1                     |                     |                          |                       |
| <b>Percent of Total for this Docket:</b> 1                    |                     |                          |                       |
| <b>Training / LER</b>   |                     |                          |                       |
| 100 - Training LTA  | M - Mechanical      | M - Maintenance / Repair | 050-00354/2005-004-00 |
| <b>Number of Items for this Docket:</b> 1                     |                     |                          |                       |
| <b>Percent of Total for this Docket:</b> 1                    |                     |                          |                       |

---

**U.S. Nuclear Regulatory Commission  
Human Factors Information System (HFIS)  
IR/LER Category Analysis by Docket Report**

**Total Number of Hits: 133**  
**National Average: 56**  
**2x National Average: 112**  
**National Median: 25**  
**Average for Selected Dockets: 133**

---

**Facility Name: Hope Creek 1 Docket (050- 00354)**

**Details**

**Work Planning & Practices / LER**

188 - Work practice or craft skill LTA

197 - Self-check LTA

**Department**

M - Mechanical

I - Instrumentation & Control

**Work Type**

M - Maintenance / Repair

T - Testing

**Docket/Report**

050-00354/2005-008-00

050-00354/2005-007-00

**Number of Items for this Docket: 2**

**Percent of Total for this Docket: 2**

---

**Total Items for this Docket: 133**

---