

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

Total Number of Hits: 3662

National Average: 35

2x National Average: 70

National Median: 21

Average for Selected Dockets: 35

Facility Name: Perry 1 Docket (050- 00440)

| Details | Department | Work Type | Docket/Report |
|--|------------------------------------|--------------------------|--------------------|
| Communication / IR | | | |
| 160 - No communication / information not communicated | A - Administrative Support | H - Health Physics | 050-00440/2008-002 |
| 160 - No communication / information not communicated | L - Licensing / regulatory affairs | O - Control Room Ops | 050-00440/2007-010 |
| 160 - No communication / information not communicated | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 160 - No communication / information not communicated | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 160 - No communication / information not communicated | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 160 - No communication / information not communicated | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| Number of Items for this Docket: 6 | | | |
| Percent of Total for this Docket: 4 | | | |
| <hr/> | | | |
| Human-System Interface & Environmnt / IR | | | |
| 170 - HSI or information availability / quality LTA | E - Electrical | M - Maintenance / Repair | 050-00440/2008-006 |
| 170 - HSI or information availability / quality LTA | F - Fuel Handling | R - Refueling | 050-00440/2007-005 |
| 170 - HSI or information availability / quality LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 170 - HSI or information availability / quality LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 170 - HSI or information availability / quality LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 170 - HSI or information availability / quality LTA | O - Operations | S - Surveillance | 050-00440/2008-002 |
| 173 - Physical conditions LTA | E - Electrical | M - Maintenance / Repair | 050-00440/2008-006 |
| Number of Items for this Docket: 7 | | | |
| Percent of Total for this Docket: 5 | | | |
| <hr/> | | | |
| Oversight / IR | | | |
| 130 - Inadequate suprevison / command and control | E - Electrical | G - Design | 050-00440/2008-006 |
| 130 - Inadequate suprevison / command and control | E - Electrical | G - Design | 050-00440/2008-006 |
| 130 - Inadequate suprevison / command and control | E - Electrical | M - Maintenance / Repair | 050-00440/2007-010 |
| 130 - Inadequate suprevison / command and control | I - Instrumentation & Control | M - Maintenance / Repair | 050-00440/2007-010 |
| 130 - Inadequate suprevison / command and control | I - Instrumentation & Control | T - Testing | 050-00440/2008-002 |
| 130 - Inadequate suprevison / command and control | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 131 - Management expectations or directions LTA | E - Electrical | M - Maintenance / Repair | 050-00440/2007-010 |
| 131 - Management expectations or directions LTA | I - Instrumentation & Control | M - Maintenance / Repair | 050-00440/2007-010 |
| 131 - Management expectations or directions LTA | X - Site-wide | X - Site-wide | 050-00440/2008-002 |
| Number of Items for this Docket: 9 | | | |
| Percent of Total for this Docket: 6 | | | |
| <hr/> | | | |
| Procedures & Reference Document / IR | | | |
| 111 - Procedure / reference document technical content | E - Electrical | G - Design | 050-00440/2008-006 |

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| Details | Department | Work Type | Docket/Report |
|--|-------------------------------|--------------------------|--------------------|
| Procedures & Reference Document / IR | | | |
| 111 - Procedure / reference document technical content | G - Engineering | G - Design | 050-00440/2008-006 |
| 111 - Procedure / reference document technical content | I - Instrumentation & Control | M - Maintenance / Repair | 050-00440/2008-002 |
| 111 - Procedure / reference document technical content | I - Instrumentation & Control | O - Control Room Ops | 050-00440/2008-002 |
| 111 - Procedure / reference document technical content | I - Instrumentation & Control | T - Testing | 050-00440/2008-002 |
| 111 - Procedure / reference document technical content | I - Instrumentation & Control | T - Testing | 050-00440/2008-006 |
| 111 - Procedure / reference document technical content | I - Instrumentation & Control | T - Testing | 050-00440/2008-006 |
| 111 - Procedure / reference document technical content | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 111 - Procedure / reference document technical content | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 111 - Procedure / reference document technical content | M - Mechanical | S - Surveillance | 050-00440/2008-002 |
| 111 - Procedure / reference document technical content | O - Operations | O - Control Room Ops | 050-00440/2007-005 |
| 111 - Procedure / reference document technical content | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 111 - Procedure / reference document technical content | O - Operations | S - Surveillance | 050-00440/2007-005 |
| 111 - Procedure / reference document technical content | O - Operations | T - Testing | 050-00440/2007-005 |
| 113 - Procedure / reference document development and maintenance L | I - Instrumentation & Control | T - Testing | 050-00440/2008-002 |
| Number of Items for this Docket: 15 | | | |
| Percent of Total for this Docket: 11 | | | |

| Problem Identification & Resolution / IR | | | |
|---|-------------------------------|--------------------------|--------------------|
| 140 - Problem not completely or accurately identified | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 140 - Problem not completely or accurately identified | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 140 - Problem not completely or accurately identified | S - Specialized task force | W - Assessment | 050-00440/2007-010 |
| 141 - Problem not properly classified or prioritized | S - Specialized task force | W - Assessment | 050-00440/2007-010 |
| 141 - Problem not properly classified or prioritized | S - Specialized task force | W - Assessment | 050-00440/2008-002 |
| 142 - Operating experience (OE) review LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 145 - Causal development LTA | I - Instrumentation & Control | M - Maintenance / Repair | 050-00440/2007-010 |
| 145 - Causal development LTA | O - Operations | S - Surveillance | 050-00440/2007-010 |
| 145 - Causal development LTA | S - Specialized task force | W - Assessment | 050-00440/2007-010 |
| 146 - Evaluation LTA | E - Electrical | G - Design | 050-00440/2008-006 |
| 146 - Evaluation LTA | F - Fuel Handling | R - Refueling | 050-00440/2007-005 |
| 146 - Evaluation LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 146 - Evaluation LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 146 - Evaluation LTA | S - Specialized task force | W - Assessment | 050-00440/2007-010 |
| 146 - Evaluation LTA | S - Specialized task force | W - Assessment | 050-00440/2007-010 |

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Facility Name: Perry 1 Docket (050- 00440)

| Details | Department | Work Type | Docket/Report |
|---|----------------|--------------------------|--------------------|
| Problem Identification & Resolution / IR | | | |
| 147 - Individual corrective action LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 148 - Action not yet started or untimely | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 150 - Programmatic deficiency | X - Site-wide | X - Site-wide | 050-00440/2008-002 |
| Number of Items for this Docket: 18 | | | |
| Percent of Total for this Docket: 13 | | | |

| | | | |
|--|----------------|------------------|--------------------|
| Training / IR | | | |
| 102 - Individual knowledge LTA | O - Operations | S - Surveillance | 050-00440/2008-002 |
| Number of Items for this Docket: 1 | | | |
| Percent of Total for this Docket: 1 | | | |

| | | | |
|---|--------------------|--------------------------|--------------------|
| Work Planning & Practices / IR | | | |
| 180 - Scheduling and planning LTA | E - Electrical | M - Maintenance / Repair | 050-00440/2008-002 |
| 180 - Scheduling and planning LTA | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 182 - Work package quality LTA | H - Health Physics | H - Health Physics | 050-00440/2007-005 |
| 182 - Work package quality LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 183 - Pre-job activities LTA | H - Health Physics | H - Health Physics | 050-00440/2007-005 |
| 183 - Pre-job activities LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 183 - Pre-job activities LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 183 - Pre-job activities LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 183 - Pre-job activities LTA | O - Operations | T - Testing | 050-00440/2007-005 |
| 184 - Tag outs LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 185 - Procedural adherence LTA | E - Electrical | M - Maintenance / Repair | 050-00440/2007-010 |
| 185 - Procedural adherence LTA | E - Electrical | M - Maintenance / Repair | 050-00440/2007-010 |
| 185 - Procedural adherence LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 185 - Procedural adherence LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 185 - Procedural adherence LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 185 - Procedural adherence LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 185 - Procedural adherence LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 185 - Procedural adherence LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 185 - Procedural adherence LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 185 - Procedural adherence LTA | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 185 - Procedural adherence LTA | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 185 - Procedural adherence LTA | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 185 - Procedural adherence LTA | O - Operations | O - Control Room Ops | 050-00440/2008-002 |

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|--|-------------------------------|--------------------------|--------------------|
| Work Planning & Practices / IR | | | |
| 185 - Procedural adherence LTA | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 185 - Procedural adherence LTA | O - Operations | T - Testing | 050-00440/2007-005 |
| 186 - Failure to take action / meet requirements | E - Electrical | M - Maintenance / Repair | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | E - Electrical | M - Maintenance / Repair | 050-00440/2008-006 |
| 186 - Failure to take action / meet requirements | G - Engineering | G - Design | 050-00440/2008-004 |
| 186 - Failure to take action / meet requirements | G - Engineering | G - Design | 050-00440/2008-006 |
| 186 - Failure to take action / meet requirements | G - Engineering | M - Maintenance / Repair | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | H - Health Physics | H - Health Physics | 050-00440/2007-005 |
| 186 - Failure to take action / meet requirements | H - Health Physics | H - Health Physics | 050-00440/2007-005 |
| 186 - Failure to take action / meet requirements | I - Instrumentation & Control | T - Testing | 050-00440/2008-006 |
| 186 - Failure to take action / meet requirements | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 186 - Failure to take action / meet requirements | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 186 - Failure to take action / meet requirements | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2007-005 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | O - Control Room Ops | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | S - Surveillance | 050-00440/2008-002 |
| 186 - Failure to take action / meet requirements | O - Operations | T - Testing | 050-00440/2007-005 |
| 187 - Action implementation LTA | E - Electrical | G - Design | 050-00440/2008-006 |
| 187 - Action implementation LTA | G - Engineering | G - Design | 050-00440/2008-002 |
| 187 - Action implementation LTA | G - Engineering | G - Design | 050-00440/2008-006 |
| 188 - Work practice or craft skill LTA | M - Mechanical | F - Modification | 050-00440/2008-002 |
| 188 - Work practice or craft skill LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |

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|---|-------------------------------|--------------------------|--------------------|
| Work Planning & Practices / IR | | | |
| 188 - Work practice or craft skill LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 189 - Recognition of adverse condition / questioning attitude LTA | G - Engineering | G - Design | 050-00440/2008-004 |
| 189 - Recognition of adverse condition / questioning attitude LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-005 |
| 189 - Recognition of adverse condition / questioning attitude LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 189 - Recognition of adverse condition / questioning attitude LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 190 - Failure to stop work / non-conservative decision making | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 190 - Failure to stop work / non-conservative decision making | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 190 - Failure to stop work / non-conservative decision making | O - Operations | S - Surveillance | 050-00440/2008-002 |
| 190 - Failure to stop work / non-conservative decision making | S - Specialized task force | W - Assessment | 050-00440/2008-002 |
| 191 - Team interactions LTA | M - Mechanical | O - Control Room Ops | 050-00440/2007-005 |
| 193 - Non-conservative action | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |
| 196 - Independent verification / plant tours LTA | I - Instrumentation & Control | T - Testing | 050-00440/2008-002 |
| 197 - Self-check LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-002 |
| 197 - Self-check LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2008-004 |

Number of Items for this Docket: 68

Percent of Total for this Docket: 48

Procedures & Reference Document / LER

| | | | |
|--|----------------|----------------------|-----------------------|
| 111 - Procedure / reference document technical content | M - Mechanical | T - Testing | 050-00440/2008-003-00 |
| 111 - Procedure / reference document technical content | M - Mechanical | T - Testing | 050-00440/2008-003-01 |
| 111 - Procedure / reference document technical content | M - Mechanical | T - Testing | 050-00440/2008-003-01 |
| 111 - Procedure / reference document technical content | O - Operations | B - Bal of Plant Ops | 050-00440/2008-002-00 |
| 111 - Procedure / reference document technical content | T - Training | T - Testing | 050-00440/2008-002-00 |

Number of Items for this Docket: 5

Percent of Total for this Docket: 4

Problem Identification & Resolution / LER

| | | | |
|--|----------------|--------------------------|-----------------------|
| 147 - Individual corrective action LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-006-00 |
| 147 - Individual corrective action LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-006-00 |

Number of Items for this Docket: 2

Percent of Total for this Docket: 1

Training / LER

| | | | |
|--------------------------------|----------------|--------------------------|-----------------------|
| 100 - Training LTA | M - Mechanical | M - Maintenance / Repair | 050-00440/2007-006-00 |
| 101 - Training process problem | O - Operations | B - Bal of Plant Ops | 050-00440/2008-002-00 |

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| Details | Department | Work Type | Docket/Report |
|--|--|--------------------------|-----------------------|
| Training / LER | | | |
| 101 - Training process problem | O - Operations | O - Control Room Ops | 050-00440/2008-002-00 |
| Number of Items for this Docket: 3 | | | |
| Percent of Total for this Docket: 2 | | | |
| Work Planning & Practices / LER | | | |
| 182 - Work package quality LTA | O - Operations | B - Bal of Plant Ops | 050-00440/2008-002-00 |
| 186 - Failure to take action / meet requirements | G - Engineering | P - Procedure Dev | 050-00440/2008-002-00 |
| 186 - Failure to take action / meet requirements | O - Operations | P - Procedure Dev | 050-00440/2008-002-00 |
| 187 - Action implementation LTA | G - Engineering | G - Design | 050-00440/2008-002-00 |
| 187 - Action implementation LTA | O - Operations | A - Administrative | 050-00440/2008-002-00 |
| 187 - Action implementation LTA | W - Work Control / Scheduling Outage Pla | A - Administrative | 050-00440/2008-002-00 |
| 187 - Action implementation LTA | Z - Other / Unknown | M - Maintenance / Repair | 050-00440/2007-006-00 |
| Number of Items for this Docket: 7 | | | |
| Percent of Total for this Docket: 5 | | | |

Total Items for this Docket: 141
