

FIRE DAMPER VISUAL INSPECTION

A. PURPOSE

At least once every 18 months perform a visual inspection on all fire dampers within the plant boundary.

B. REFERENCES

1. M-1300 and M-1400 series of drawings
2. LTS-1000-35 (Fire Damper Operability Test)
3. FSAR, Figure 9.5-1, Fire Protection System
4. FSAR, Table H.3-1; Safety-Related and Radioactive Equipment.
5. FSAR, Figure H.2-1, Fire Area/Zone Locations

C. PREREQUISITES

1. None.

D. PRECAUTIONS

1. Contact the Radiation Protection Department for information on radiation levels in areas to be inspected.
2. Contact the Shift Engineer and Fire Marshal before inspection of areas.
3. A ladder or scaffolding may be needed to inspect some of the dampers.
4. When inspecting fire dampers it may be necessary to shutdown the ventilation system to remove the access doors to gain access to the dampers. See Attachment A for these dampers.

E. LIMITATIONS AND ACTIONS

1. Any rejected fire dampers must be brought to the attention of the Shift Engineer and Station Fire Marshal as soon as possible. Refer to Technical Specification 3.7.6 for required action. Figure 9.5-1 and Appendix H will need to be consulted for identification as a safety related fire barrier. In addition, perform LAP-900-23 (Fire Barriers, Fire Dampers, Fire Penetrations, and Fire Floor Plugs).

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2. All fire dampers that exist in the plant will be visually inspected. This includes fire dampers identified by Technical Specification 3/4.7.6, "Fire Rated Assemblies", and other fire dampers in the main plant proper in fire assemblies (areas such as the service building, relay house, valve house, river screen house, etc. are excluded. Also, fire dampers installed in non-fire rated walls will not be inspected.

F. PROCEDURE

1. Visually inspect all fire dampers. Some floor or wall openings may have two dampers in series or an assembly of dampers in series. All dampers must be inspected.
2. The blades of the fire damper should be completely folded and held within the sleeve. The fusible link which holds the damper in place should not be painted, and the "S" hooks or metal straps which hold the link should be securely crimped around it. (See Figure A and B.) The closure springs (if provided) should be intact and in place, and if possible checked for tension. (Note, all Ruskin Dampers and horizontal Advanced Air Dampers have closure springs). Debris or obstruction within fire damper sleeve or ductwork upstream should be removed. Inspection of the damper sleeve for damage or corrosion should be evaluated to determine operability of damper; corrections, if possible should be made on the spot. Work Requests should be written to correct all items that affect operability, and Work Request should identify if damper work is required to restore operability or ensure future operability. Work Requests should state in the "Test Required Block" either a visual inspection or a special operability functional test based on the work requested. This post maintenance test identification will ensure that for major repairs that the damper will functionally close.
3. In dampers where Electro Thermal Links (ETL's) (See Figure C.) exist, a visual inspection should also be made to ensure that the electrical wire leading from the ETL is not in the sleeve of the damper.
4. Signoff on the Surveillance Log (Attachment A) as each damper is inspected.

G. CHECKLISTS

1. Attachment A Fire Damper Surveillance Log.

H. TECHNICAL SPECIFICATION REFERENCES

1. 3/4.7.6.1.

ATTACHMENT A

| FIRE DAMPERS | | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|---------|-----------------------------|--|-----------|----------|----------------------------|
| 1 | 1VR76Y | M-1351-1 G.9-15.9 843 RB | | | | |
| 2 | 1VR77Y | M-1351-1 G.6-15.9 843 RB | | | | |
| 3 | 2VR76Y | M-1352-2 G.9-15.9 843 RB | | | | |
| 4 | 2VR77Y | M-1352-2 G.6-15.9 843 RB | | | | |
| 5 | 1VX28YA | M-1375-1 J.3-9.2 815 AB | YES | | | |
| 6 | 1VX28YB | M-1375-1 J.2-9.1 815 AB | YES | | | |
| 7 | 1VX29YA | M-1375-1 J.1-10.5 815 AB | YES | | | |
| 8 | 1VX29YB | M-1375-1 J.2-10.5 815 AB | YES | | | |
| 9 | 2VX28YA | M-1376-1 J.6-20.7 815 AB | YES | | | |
| 10 | 2VX28YB | M-1376-1 J.6-20.7 815 AB | YES | | | |

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| 11 | 2VX29YA | M-1376-1 J.2-19.4 815 AB | YES | | | |
| 12 | 2VX29YB | M-1376-1 J.2-19.4 815 AB | YES | | | |
| 13 | OVE43Y | M-1377-1 J.2-10.6 786 AB | | | | |
| 14 | OVE44Y | M-1377-1 J.2-10.6 786 AB | | | | |
| 15 | OVC62Y | M-1377-2 J.1-13.1 786 AB | | | | |
| 16 | OVC63Y | M-1377-2 J.1-13.1 786 AB | | | | |
| 17 | OVC64Y | M-1377-2 J.1-16.9 786 AB | | | | |
| 18 | OVC65Y | M-1377-2 J.1-16.9 786 AB | | | | |
| 19 | OVL63Y | M-1377-2 M.8-15.6 786 AB | | | | |
| 20 | OVE45Y | M-1377-3 J.2-19.4 786 AB | | | | |

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| | | | | | |
| 21 OVE46Y | M-1377-3 J.1-19.4 786 AB | | | | |
| 22 OVA43Y | M-1377-3 L.1-21 786 AB | | | | |
| 23 OVA46Y | M-1377-3 L.1-21 786 AB | | | | |
| 24 1VV06Y | M-1379-1 N.9-15 831 AB | | | | |
| 25 1VY10Y | M-1379-1 N-15.7 831 AB | | | | |
| 26 OVA44Y | M-1380-1 J-10.3 786 AB | | | | |
| 27 OVA45Y | M-1380-1 J-10.3 786 AB | | | | |
| 28 OVA47Y | M-1380-1 J-10.3 786 AB | | | | |
| 29 OVC60Y | M-1380-1 J-15 786 AB | | | | |
| 30 OVC61Y | M-1380-1 J-15 786 AB | | | | |

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| | | | | | |
| 31 OVE31Y | M-1380-1 J-15 786 AB | | | | |
| 32 OVE32Y | M-1380-1 J-15 786 AB | | | | |
| 33 OVC68Y | M-1380-2 M-15 786 AB | | | | |
| 34 OVC66Y | M-1380-2 M-15 786 AB | | | | |
| 35 1VX15Y | M-1381-1 J-9 842 AB | | | | |
| 36 1VX16Y | M-1381-1 J-9 731 AB | | | | |
| 37 2VX15Y | M-1381-2 J-21 842 AB | YES | | | |
| 38 1VX05Y | M-1387-1 J-5-6-2 749 AB | | | | |
| 39 1VX01Y | M-1387-1 J-1-10.6 749 AB | | | | |
| 40 1VX36Y | M-1387-1 L-9-10.5 749 AB | | | | |

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| | | | | | |
| 41 1'X37Y | M-1387-1 L.9-10.9 749 AB | | | | |
| 42 1VT60YA | M-1387-1 M.9-11.1 749 AB | | | | |
| 43 1VT60YB | M-1387-1 M.9-12.2 749 AB | | | | |
| 44 1VX56Y | M-1387-1 M-11.5 749 AB | | | | |
| 45 1VX39Y | M-1387-1 L.7-12.3 749 AB | | | | |
| 46 1VX38Y | M-1387-1 L.7-12.5 749 AB | | | | |
| 47 1VX41Y | M-1387-1 L.6-12.6 749 AB | | | | |
| 48 1VX43Y | M-1387-1 L.5-12.7 749 AB | | | | |
| 49 1VX45Y | M-1387-1 J.2-12.8 749 AB | | | | |
| 50 1VX46Y | M-1387-1 J.3-14.9 749 AB | | | | |

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| 51 | 1VT53Y | M-1387-1 R-14.6 749 AB | | | | |
| 52 | 1VX42Y | M-1387-1 L.1-15 749 AB | | | | |
| 53 | 1VX44Y | M-1387-1 L.3-15 749 AB | | | | |
| 54 | 2VX42Y | M-1387-1 L.3-15 749 AB | | | | |
| 55 | 1VV07Y | M-1387-1 R-13.6 749 AB | | | | |
| 56 | 1VX31Y | M-1388-1 J.5-9 710 AB | | | | |
| 57 | 1VX30Y | M-1388-1 J.3-10.2 710 AB | | | | |
| 58 | 1VX52Y | M-1388-1 M-11.3 710 AB | | | | |
| 59 | 1VX33Y | M-1388-1 M-12.8 710 AB | | | | |
| 60 | 1VX32Y | M-1388-1 L.3-12.8 710 AB | | | | |

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| | | | | | |
| 61 OVL30Y | M-1388-1 N.8-14.8 710 AB | | | | |
| 62 OVL31Y | M-1388-1 N.8-14.8 710 AB | | | | |
| 63 OVL28Y | M-1388-1 N-14.8 710 AB | | | | |
| 64 OVL29Y | M-1388-1 N-14.8 710 AB | | | | |
| 65 OVL49Y | M-1388-1 N.8-14.8 710 AB | | | | |
| 67 OVL48Y | M-1388-1 N-14.8 710 AB | | | | |
| 68 OVL51Y | M-1388-1 N-14.9 710 AB | | | | |
| 69 1VX50Y | M-1388-1 N.3-9 710 AB | | | | |
| 70 1VX59Y | M-1388-1 N.5-9 710 AB | | | | |

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| | | | | | |
| 71 2VX13Y | M-1388-2 J-19.3 710 AB | | | | |
| 72 2VX30Y | M-1388-2 J.3-20 710 AB | | | | |
| 73 2VX31Y | M-1388-2 J.6-20.8 710 AB | | | | |
| 74 2VX16Y | M-1388-2 J.6-20.8 710 AB | | | | |
| 75 2VX52Y | M-1388-2 N-18.3 710 AB | | | | |
| 76 2VX32Y | M1388-2 N-17.6 710 AB | | | | |
| 77 2VX40Y | M-1388-2 N-17.5 710 AB | | | | |
| 78 2VX33Y | M-1388-2 N.4-17.3 710 AB | | | | |
| 79 OVL52Y | M-1388-2 N.5-16.0 710 AB | | | | |
| 80 OVL53Y | M-1388-2 N.5-16.0 710 AB | | | | |

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| 81 | OVL54Y | M-1388-2 N.5-16.1 | 710 AB | | | |
| 82 | OVL57Y | M-1388-2 N.1-15.7 | 710 AB | | | |
| 83 | OVL58Y | M-1388-2 N.1-15.7 | 710 AB | | | |
| 84 | OVL59Y | M-1388-2 N.1-15.7 | 710 AB | | | |
| 85 | OVL62Y | M-1388-2 L.8-15.9 | 710 AB | | | |
| 86 | 2VV07Y | M-1388-2 R-16 | 710 AB | | | |
| 87 | OVL69Y | M-1388-6 N.1-15.7 | 710 AB | | | |
| 88 | OVL71YA | M-1388-6 N-15.2 | 710 AB | | | |
| 89 | OVL71YB | M-1388-6 N-15.3 | 710 AB | | | |
| 90 | OVL70Y | M-1388-6 N-15.1 | 710 AB | | | |

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| | | | | | | | |
| 91 | OVL74Y | M-1388-6 N.7-15.2 | 735 | AB | | | |
| 92 | OVL75Y | M-1388-6 N.7-15.2 | 735 | AB | | | |
| 93 | OVL76Y | M-1388-6 N.7-15.3 | 735 | AB | | | |
| 94 | OVL77Y | M-1388-6 N.7-15.3 | 735 | AB | | | |
| 95 | OVL78Y | M-1388-6 N.7-15.3 | 735 | AB | | | |
| 96 | OVL79Y | M-1388-6 N.7-15.3 | 735 | AB | | | |
| 97 | OVL80Y | M-1388-6 N.7-15.3 | 818 | AB | | | |
| 98 | OVL81Y | M-1388-6 N.7-15.3 | 818 | AB | | | |
| 99 | OVL82Y | M-1388-6 N.7-15.3 | 818 | AB | | | |
| 100 | OVL83Y | M-1388-6 N.7-15.3 | 818 | AB | | | |

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| 101 OVL84Y | M-1388-6 N.7-15.3 818 AB | | | | |
| 102 2VX01Y | M-1387-2 J.1-19.4 749 AB | | | | |
| 103 2VX05Y | M-1387-2 J.6-20.7 749 AB | | | | |
| 104 2VX39Y | M-1387-2 L.9-19.5 749 AB | | | | |
| 105 2VX38Y | M-1387-2 L.7-19.2 749 AB | | | | |
| 106 2VT60YA | M-1387-2 N.9-17.8 749 AB | | | | |
| 107 2VT60YB | M-1387-2 N.9-18.9 749 AB | | | | |
| 108 2VV09Y | M-1387-2 R-16.4 749 AB | | | | |
| 109 2VT53Y | M-1387-2 R-15.6 749 AB | | | | |
| 110 2VX56Y | M-1387-2 L.9-17.9 749 AB | | | | |

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| 111 2VX36Y | M-1387-2 L.7-17.4 749 AB | | | | |
| 112 2VX41Y | M-1387-2 L.2-17.2 749 AB | | | | |
| 113 2VX43Y | M-1387-2 L.1-17.2 749 AB | | | | |
| 114 2VX37Y | M-1387-2 L.9-17.9 749 AB | | | | |
| 115 1VX06Y | M-1389-1 J.1-10.6 731 AB | | | | |
| 116 0VE33Y | M-1389-1 J.2-10.6 731 AB | | | | |
| 117 0VE34Y | M-1389-1 J.2-10.6 731 AB | | | | |
| 118 1VX10Y | M-1389-1 J.7-9.1 731 AB | | | | |
| 119 1VX12Y | M-1389-1 J.6-9.2 731 AB | | | | |
| 120 1VX54Y | M-1389-1 N-10.3 731 AB | | | | |

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| 121 1VT59YA | M-1389-1 R-9 731 AB | | | | |
| 122 1VT59YB | M-1389-1 R-10.2 731 AB | | | | |
| 123 1VT59YC | M-1389-1 R-11.2 731 AB | | | | |
| 124 1VT59YD | M-1389-1 R-12.8 731 AB | | | | |
| 125 1VX34Y | M-1389-1 L.9-12.6 731 AB | | | | |
| 126 OVE36Y | M-1389-1 L.6-13 731 AB | | | | |
| 127 OVS160Y | M-1389-1 M.4-13.7 731 AB | | | | |
| 128 OVS161Y | M-1389-1 M.9-14.3 731 AB | | | | |
| 129 OVS163Y | M-1389-1 M.7-14.3 731 AB | | | | |
| 130 1VX35Y | M-1389-1 L.5-13 731 AB | | | | |

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| 131 OVE35Y | M-1389-1 L.3-13 731 AB | | | | |
| 132 OVE38Y | M-1389-1 L.6-13.8 731 AB | | | | |
| 133 OVE37Y | M-1389-1 13.8-J.7 731 AB | | | | |
| 134 1VX57Y | M-1389-1 13.2-J.2 731 AB | | | | |
| 135 1VX58Y | M-1389-1 13.2-J.1 731 AB | | | | |
| 136 1VT55Y | M-1389-1 13.9-M.9 731 AB | | | | |
| 137 OVE42Y | M-1389-2 L.7-17 731 AB | | | | |
| 138 OVE49Y | M-1389-2 L.3-16.9 731 AB | | | | |
| 139 OVE41Y | M-1389-2 L.7-17 731 AB | | | | |
| 140 OVE50Y | M-1389-2 L.9-16 731 AB | | | | |

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| 141 | 2VX10Y | M-1389-2 J.7-20.9 | 731 AB | | | |
| 142 | 2VX12Y | M-1389-2 J.6-20.9 | 731 AB | | | |
| 143 | 2VX06YA | M-1389-2 J.1-19.6 | 731 AB | | | |
| 144 | 2VX06YB | M-1389-2 J.2-19.6 | 731 AB | | | |
| 145 | 0VE39Y | M-1389-2 J.1-19.3 | 731 AB | | | |
| 146 | 0VE40Y | M-1389-2 J.3-19.3 | 731 AB | | | |
| 147 | 2VX54Y | M-1389-2 N-19.8 | 731 AB | | | |
| 148 | 2VT59YA | M-1389-2 N.9-20.8 | 731 AB | | | |
| 149 | 2VT59YB | M-1389-2 N.9-19.8 | 731 AB | | | |
| 150 | 2VT59YC | M-1389-2 N.9-18.8 | 731 AB | | | |

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|--------------|-----------------------------|--|-----------|----------|----------------------------|
| 151 2VT59YD | M-1389-2 N.9-17.1 731 AB | | | | |
| 152 2VT55Y | M-1389-2 R-16.1 731 AB | | | | |
| 153 2VV08Y | M-1389-2 R-16.2 731 AB | | | | |
| 154 2VX35Y | M-1389-2 L.9-17.4 731 AB | | | | |
| 155 2VX34Y | M-1389-2 L.4-17.6 731 AB | | | | |
| 156 OVE52Y | M-1389-2 L.6-17.3 731 AB | | | | |
| 157 OVE53Y | M-1389-2 L.6-17.3 731 AB | | | | |
| 158 OVE51Y | M-1389-2 L.8-17.3 731 AB | | | | |
| 159 1VV08Y | M-1390-1 N.2-11.8 768 AB | | | | |
| 160 OVE47Y | M-1390-1 N.5-15 768 AB | | | | |

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|--------------|----------------------|--|-----------|----------|----------------------------|
| 161 OVE48Y | M-1390-1 N.5-15.6 | 768 AB | | | |
| 162 OVA27Y | M-1390-1 N.2-11.5 | 768 AB | | | |
| 163 OVA30Y | M-1390-1 N.2-11.5 | 768 AB | | | |
| 164 OVS151Y | M-1390-1 N.5-14.6 | 768 AB | | | |
| 165 OVS152Y | M-1390-1 N.4-14.6 | 768 AB | | | |
| 166 OVE25Y | M-1390-1 N.5-14.6 | 768 AB | | | |
| 167 OVE22Y | M-1390-1 N.7-14.6 | 768 AB | | | |
| 168 OVE23Y | M-1390-1 N.5-14.0 | 768 AB | | | |
| 169 OVE24Y | M-1390-1 N.7-14.0 | 768 AB | | | |
| 170 OVV31Y | M-1390-1 N.5-12 | 768 AB | | | |

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| 171 OVV32Y | M-1390-1 N.7-12 768 AB | | | | |
| 172 OVC67Y | M-1390-1 J.8-13.2 768 AB | | | | |
| 173 OVC69Y | M-1391-1 J.8-16.8 768 AB | | | | |
| 174 OVC50Y | M-1391-1 N.2-16.7 768 AB | | | | |
| 175 OVC51Y | M-1391-1 N.2-16.9 768 AB | | | | |
| 176 OVA34Y | M-1391-1 N.6-17.5 768 AB | | | | |
| 177 OVA35Y | M-1391-1 R-17.9 768 AB | | | | |
| 178 OVA39Y | M-1391-1 N.9-17.4 768 AB | | | | |
| 179 OVA40Y | M-1391-1 N.6-17.9 768 AB | | | | |
| 180 OVA41Y | M-1391-1 N.6-17.9 768 AB | | | | |

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| 181 | 2VV10Y | M-1391-1 N.4-18 768 AB | | | | |
| 182 | OVA38Y | M-1391-1 N.8-16.1 768 AB | | | | |
| 183 | OVC37Y | M-1391-1 N.8-16 768 AB | | | | |
| 184 | OVC48Y | M-1391-1 N.7-15.8 768 AB | | | | |
| 185 | OVC49Y | M-1391-1 N.7-15.8 768 AB | | | | |
| 186 | OVC39Y | M-1391-1 R-16.1 768 AB | | | | |
| 187 | OVC46Y | M-1391-1 N.7-16.2 768 AB | | | | |
| 188 | OVC38Y | M-1391-1 N.6-16.0 768 AB | | | | |
| 189 | OVC47Y | M-1391-1 N.7-16.4 768 AB | | | | |
| 190 | OVD06Y | M-1395 G.2-6.2 736 DG | | | | |

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| | | | | | |
| 191 1VD14Y | M-1395 G.8-6.2 736 DG | | | | |
| 192 OVD40Y | M-1395 F.6-7.6 736 DG | YES | | | |
| 193 1VD40Y | M-1395 L.3-7.2 736 DG | YES | | | |
| 194 1VD42Y | M-1395 L.6-6.1 736 DG | | | | |
| 195 1VD43Y | M-1395 J.3-7.4 736 DG | YES | | | |
| 196 2VY12Y | M-1396 L.4-23.7 736 DG | | | | |
| 197 2VY13Y | M-1396 L.5-23.7 736 DG | | | | |
| 198 2VD42Y | M-1396 H-23 736 DG | | | | |
| 199 2VD43Y | M-1396 H.8-22.2 736 DG | YES | | | |
| 200 2VD45Y | M-1396 H.8-23.8 736 DG | | | | |

ATTACHMENT A

| FIRE DAMPERS | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|---------------------------|--|-----------|----------|----------------------------|
| | | | | | |
| 201 2VD41Y | M-1396 L.3-23.7 736 DG | | | | |
| 202 2VD44Y | M-1396 J.7-23.7 736 DG | | | | |
| 203 2VD40Y | M-1396 L.7-22.5 736 DG | YES | | | |
| 204 1VD06Y | M-1397 L.9-6.2 710 DG | | | | |
| 205 0VD05Y | M-1397 F.8-7.5 710 DG | | | | |
| 206 0VD04Y | M-1397 G.2-7.3 710 DG | | | | |
| 207 0VD07Y | M-1397 G.2-6.6 710 DG | | | | |
| 208 0VD41Y | M-1397 G.1-6.2 710 DG | | | | |
| 209 1VD44Y | M-1397 G.9-6.2 710 DG | | | | |
| 210 1VD15Y | M-1397 G.7-6.6 710 DG | | | | |

ATTACHMENT A

| FIRE DAMPERS | | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|--------|---------------------------|--|-----------|----------|----------------------------|
| 211 | 1VD12Y | M-1397 G.7-7.3 710 DG | | | | |
| 212 | 1VD13Y | M-1397 J.3-7.5 710 DG | | | | |
| 213 | 1VD05Y | M-1397 L.1.-7.7 710 DG | | | | |
| 214 | 1VD07Y | M-1397 N.1-6.2 710 DG | | | | |
| 215 | 1VD04Y | M-1397 N.2-7.1 710 DG | | | | |
| 216 | 1VD41Y | M-1397 L.4-6.2 710 DG | | | | |
| 217 | 2VD06Y | M-1398 N-23.9 710 DG | | | | |
| 218 | 2VY08Y | M-1398 N-23.9 710 DG | | | | |
| 219 | 2VY09Y | M-1398 N-23.9 710 DG | | | | |
| 220 | 2VD07Y | M-1398 N.1-23.9 710 DG | | | | |

ATTACHMENT A

| FIRE DAMPERS | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|---------------------------|--|-----------|----------|----------------------------|
| 221 2VD04Y | M-1398 M.6-23.2 710 DG | | | | |
| 222 2VD05Y | M-1398 L.1-22.4 710 DG | | | | |
| 223 2VD13Y | M-1398 J.9-22.4 710 DG | | | | |
| 224 2VD14Y | M-1393 H.9-23.8 710 DG | | | | |
| 225 2VD17Y | M-1398 H.3-23.2 710 DG | | | | |
| 226 2VD15Y | M-1398 H.5-23.9 710 DG | | | | |
| 227 2VX60Y | M-1398 J.7-21 710 DG | | | | |
| 228 1VD24Y | M-1399 L.2-8.9 674 DG | | | | |
| 229 1VD23Y | M-1399 L.3-8.9 674 DG | | | | |
| 230 1DV25Y | M-1399 L.2-8.9 674 DG | | | | |

ATTACHMENT A

| FIRE DAMPERS | | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|--------|----------------------------|--|-----------|----------|----------------------------|
| 231 | 2VD23Y | M-1400 L.4-21 674 DG | | | | |
| 232 | 2DV24Y | M-1400 L.1-21 674 DG | | | | |
| 233 | 2DV25Y | M-1400 L.3-21 674 DG | | | | |
| 234 | 2VY10Y | M-1400 N.3-22.9 674 DG | | | | |
| 235 | 2VY11Y | M-1400 N.3-22.9 674 DG | | | | |
| 236 | 1VT61Y | M-1411-1 R-14.8 768 TB | YES | | | |
| 237 | 1VT62Y | M-1411-1 R-14.2 768 TB | YES | | | |
| 238 | 2VT61Y | M-1412 R-15.2 768 TB | YES | | | |
| 239 | 2VT62Y | M-1412 R-16.2 768 TB | YES | | | |
| 240 | 0VW06Y | M-1413 Wc.5-14.4 754 TB | YES | | | |

ATTACHMENT A

| | FIRE DAMPERS | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP | INT/DATE | CORRECTIVE ACTION TAKEN |
|-----|--------------|-----------------------------|--|----------|----------|----------------------------|
| 241 | 0VW32Y | M-1413 Y-12.9 754 TB | YES | | | |
| 242 | 1VT22Y | M-1414 X.3-11.2 731 TB | | | | |
| 243 | 1VT29Y | M-1414 X.5-11 731 TB | | | | |
| 244 | 1VT35Y | M-1414 V.8-13.5 731 TB | | | | |
| 245 | 1VT36Y | M-1414 R.2-13.5 731 TB | | | | |
| 246 | 1VT76Y | M-1414 V.4-4.8 731 TB | | | | |
| 247 | 2VT22Y | M-1415-1 X.7-18.8 731 TB | | | | |
| 248 | 2VT29Y | M-1415-1 X.8-19 731 TB | | | | |
| 249 | 2VT35Y | M-1415-1 V.7-16.5 731 TB | | | | |
| 250 | 2VT36Y | M-1415-1 R.1-16.5 731 TB | | | | |

ATTACHMENT A

| FIRE DAMPERS | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|-----------------------------|--|-----------|----------|----------------------------|
| 251 2VT76Y | M-1415-1 V.3-25.1 731 TB | | | | |
| 252 1VT73Y | M-1416 V.4-14.2 710 TB | | | | |
| 253 1VT72Y | M-1416 V.4-14.12 710 TB | | | | |
| 254 1VT44Y | M-1416 V.5-14 710 TB | | | | |
| 255 2VT44Y | M-1416 V.6-19 710 TB | | | | |
| 256 2VT72Y | M-1416 V.5-19 710 TB | | | | |
| 257 2VT73Y | M-1416 V.2-19 710 TB | | | | |
| 258 1VT46Y | M-1418-1 V.1-11 687 TB | | | | |
| 259 1VT69Y | M-1418-1 U-13.2 687 TB | | | | |
| 260 2VT46Y | M-1418-2 V.1-19 687 TB | | | | |

ATTACHMENT A

| FIRE DAMPERS | | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|---------|-----------------------------|--|-----------|----------|----------------------------|
| 261 | 2VT69Y | M-1418-2 U.2-16.7 687 TB | | | | |
| 262 | 1VT50Y | M-1420 R-14 768 TB | | | | |
| 263 | 1VT51Y | M-1420 R-14 768 TB | | | | |
| 264 | 1VT52Y | M-1420 R-14 768 TB | YES | | | |
| 265 | 1VT80Y | M-1421 W.5-15.2 786 TB | | | | |
| 266 | 1VT81Y | M-1421 W-14.6 7 1 TB | | | | |
| 267 | 2VT50Y | M-1422 R-16 768 TB | | | | |
| 268 | 2VT51Y | M-1422 R-16 768 TB | | | | |
| 269 | 2VT52Y | M-1422 R-16 768 TB | YES | | | |
| 270 | 0VW90YA | M-1429 Y-13.5 777 RW | | | | |

ATTACHMENT A

| FIRE DAMPERS | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|----------------------------|--|-----------|----------|----------------------------|
| 271 OVV90YB | M-1429 Y-13.3 777 RW | | | | |
| 272 OVV90YC | M-1429 Y-13.5 777 RW | | | | |
| 273 OVV90YD | M-1429 Y-13.3 777 RW | | | | |
| 274 OVV90YE | M-1429 Y-13.5 777 RW | | | | |
| 275 OVV90YF | M-1429 Y-13.3 777 RW | | | | |
| 276 OVV89Y | M-1429 Y-13.7 777 RW | | | | |
| 277 OVV42Y | M-1432-2 Y-13.1 687 TB | | | | |
| 278 OVV78Y | M-1432-2 WC-14.8 687 TB | YES | | | |
| 279 OVV30Y | M-1435 YA.5-14.6 710 RW | | | | |
| 280 OVV50Y | M-1435 YA-12.2 710 RW | | | | |

ATTACHMENT A

| FIRE DAMPERS | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|--------------|----------------------------|--|-----------|----------|----------------------------|
| | | | | | |
| 281 OVV47Y | M-1435 YA.2-14.6 710 BW | | | | |
| 282 OVV11Y | M-1435 YA-14.6 710 BW | | | | |
| 283 1VD20Y | M-1437 L.3-9 687 | | | | |
| 284 1VD21Y | M-1437 J.2-9.8 687 | | | | |
| 285 2VD20Y | M-1438 J.6-20.4 687 | | | | |
| 286 2VD21Y | M-1438 J.5-20.7 687 | | | | |
| 287 1VT41Y | M-1438 N-16.5 687 | | | | |
| 288 1VT42YA | M-1438 L.8-15 687 | | | | |
| 289 1VT42YB | M-1438 L.6-15 687 | | | | |
| 290 OVV11Y | M-1441 714 LSH | | | | |

ATTACHMENT A

| | FIRE DAMPERS | LOCATION | DOES VENTILATION SYSTEM NEED TO BE TURNED OFF? | | SAT/INOP. | INT/DATE | CORRECTIVE ACTION TAKEN |
|-----|--------------|---------------------------|--|--|-----------|----------|----------------------------|
| | | | | | | | |
| 291 | OVH15Y | M-1441 714 LSH | | | | | |
| 292 | OVA42Y | M-1377-3 L.1-21 786 AB | | | | | |

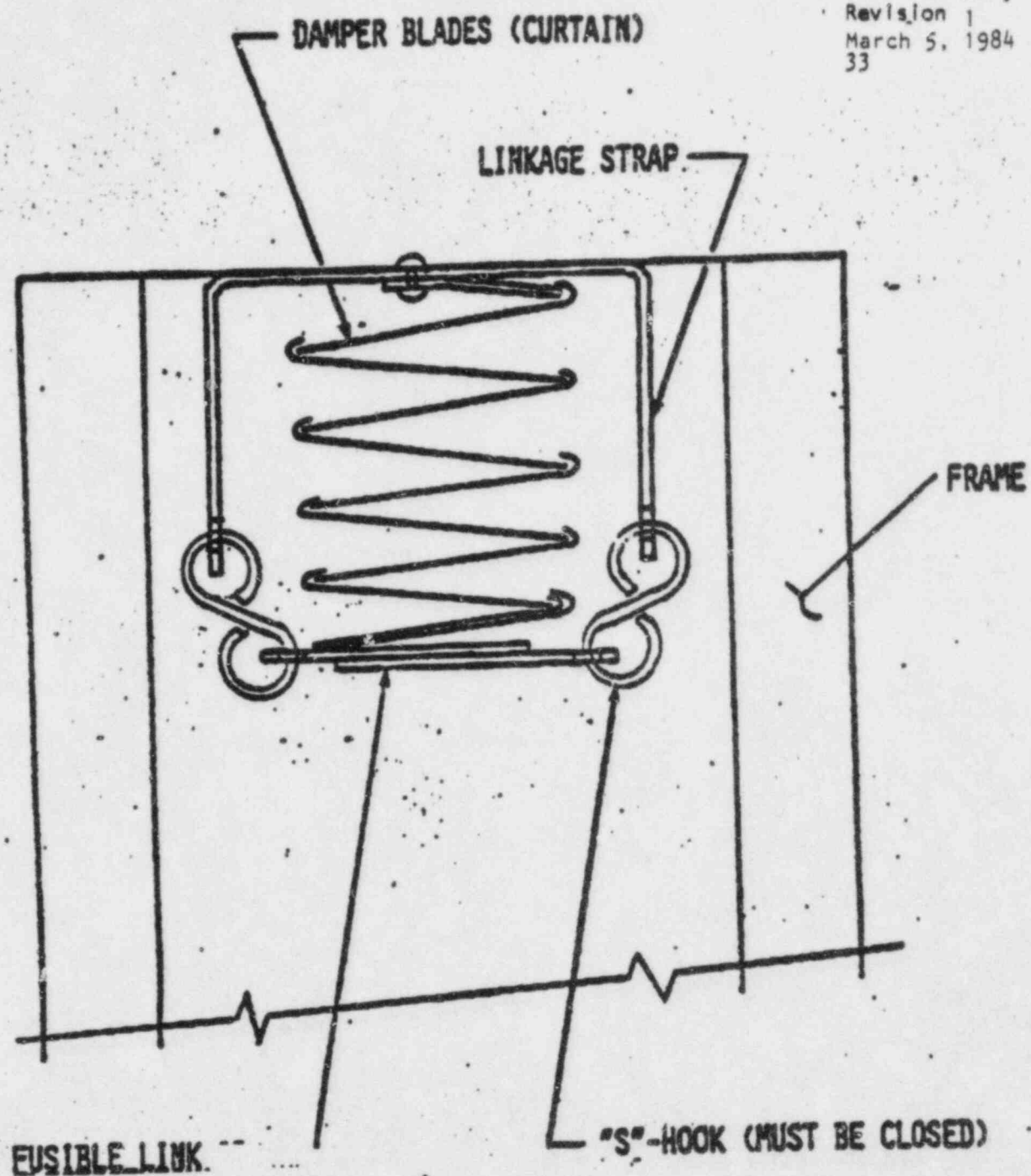


FIGURE A - FIRE DAMPER LINKAGE WITH "S"-HOOKS

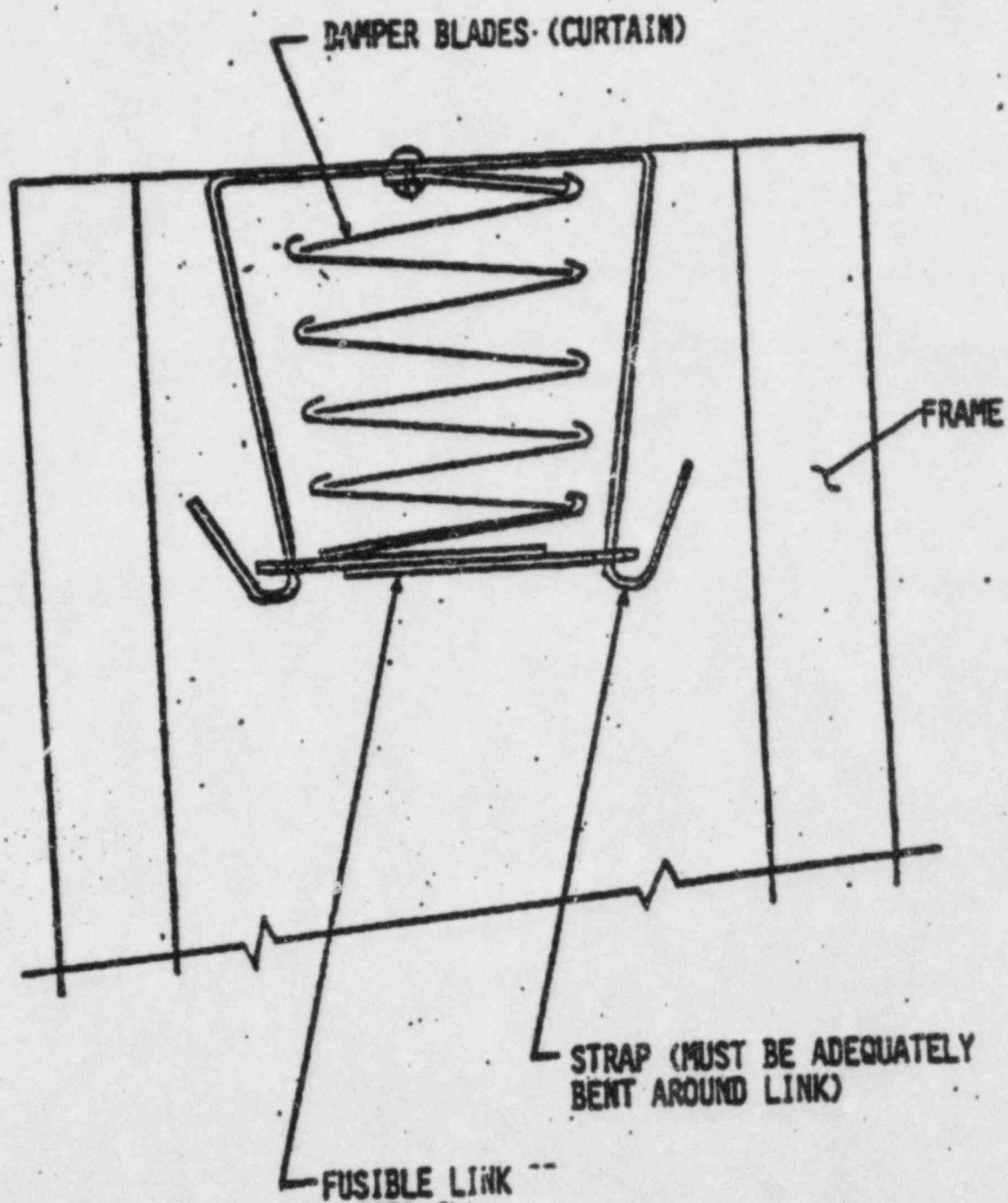
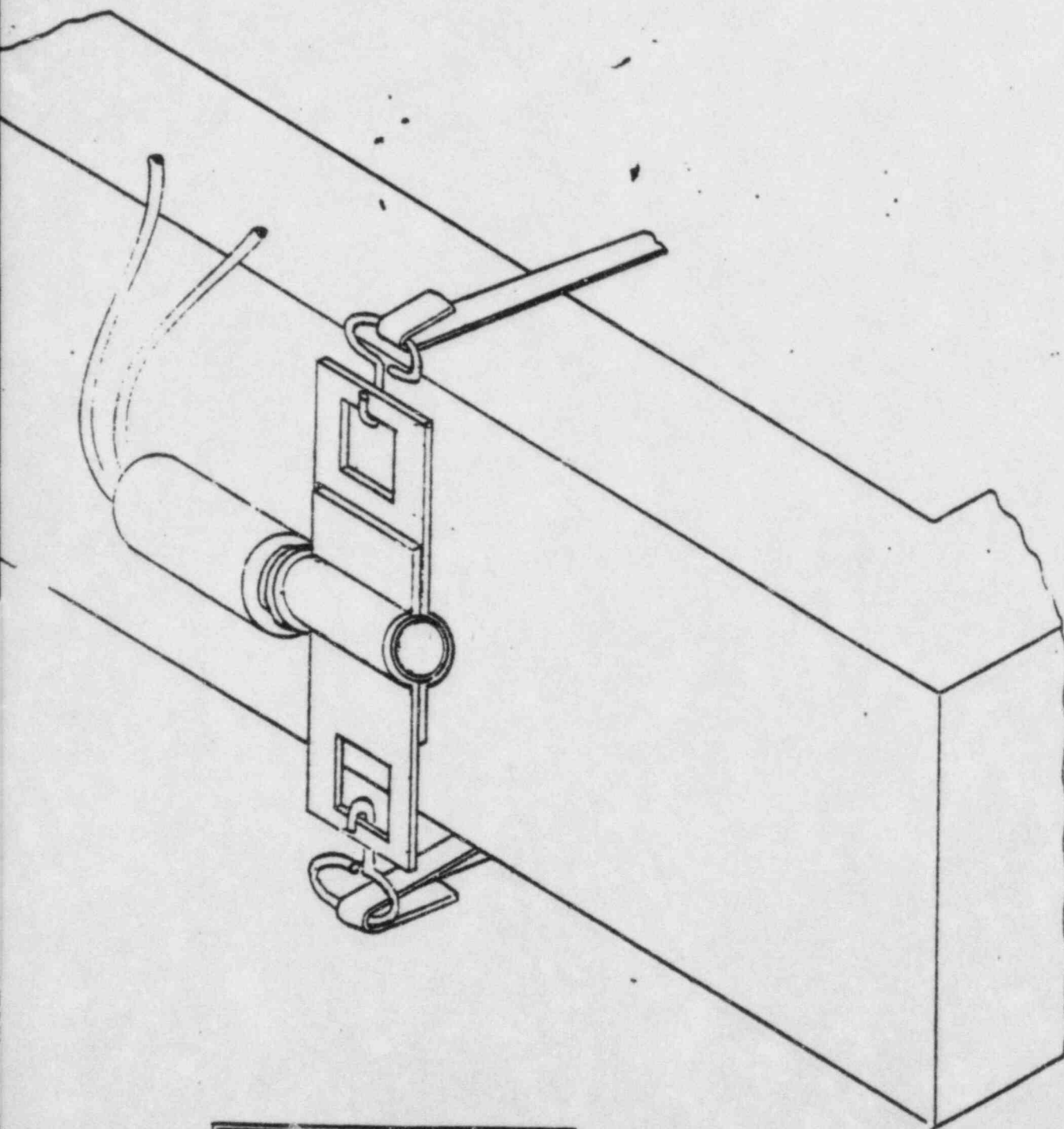


FIGURE B - FIRE DAMPER LINKAGE WITH STRAPS

LTS-1000-36
Revision 1
March 5, 1984
35 (Final)



ELECTRO-THERMAL
LINK - FIRE DAMPER
CONFIGURATION

FIGURE C

Display of LER data base

HIT..... 1; LER Number..... 336-82021
 Docket..... 336; Event Year..... 82
 Report #..... 021; Revision..... 0
 Event Date..... 820604; Report Date..... 820702
 Report Type..... L, 30-DAY
 System..... AA, Air Conditioning, Heating, Cooling & Ventilation
 Systems & Controls
 Component..... VALVEX, VALVES
 Sub Component..... L, PARALLEL BLADE
 Valve Subcode..... D, SHUTOFF, ISOLATION, STOP
 Cmpnt Supplier.... A, Architect/Engineer

...Event Desc...

WHILE AT 100% POWER, ROUTINE STEADY STATE OPERATIONS, SJAE FIRE DAMPER
 2-EB-109 FAILED SHUT. THE FIRE DAMPER WAS DISCOVERED SHUT BY OPERATIONS
 WHILE ON ROUTINE SURVEILLANCE. NO SIGNIFICANT EFFECT ON PLANT OPERATIONS
 WAS EXPERIENCED. THE PLANT OPERATED IN ACCORDANCE WITH TSAS 3.7.10 FOR 7
 DAYS. SIMILAR LER'S: NONE.

Cause Code..... E, Component Failure
 Sub Cause..... D, Corrosion

...Cause Desc....

THE FIRE DAMPER SHUT BECAUSE OF THE FAILURE OF A METAL BAND REQUIRED
 TO HOLD THE DAMPER OPEN. THE METAL BAND FAILED DUE TO CORROSION. THE
 DAMPER RETAINING BAND, FUSIBLE LINK AND A FEW DAMPER BLADES WERE
 REPLACED.

Occurrence..... 03, Reportable occurrences requiring 30-day written repo
 Action..... A, Replace Part(s)
 Future Action..... Z, No Corrective Action Taken
 Effect..... Z, No Significant Effect
 S/D Method..... Z, NO OUTAGE OCCURED
 Attachment..... N
 NPRD-4..... Y
 Comp Mfr..... B138, BEEVER, ALBERT JR. CO.
 Fac. Status..... E, Steady State Operation
 Power..... 100
 Discovery..... B, Routine Test/Inspection
 Dis. Desc..... ROUTINE OPERATIONS
 Cntl. Number..... 336-82021
 Publicity issued.. N
 Preparer..... THOMAS FILBURN
 Phone..... 203-447-1791
 Process date..... 820716
 Film Access..... 0000358A01
 Rxmfg..... COMB
 Rxtyp..... PWR
 Plant..... MILLSTONE
 LiCode..... CTMNS2
 LiType..... 41111

Display of LER data base

| | | | |
|------------------|--|------------------|-----------|
| HIT..... | 2 | LER Number..... | 348-80078 |
| Docket..... | 343 | Event Year..... | 80 |
| Report #..... | 078 | Revision..... | 0 |
| Event Date..... | 801207 | Report Date..... | 810113 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | ZZZZZZ, CODES NOT APPLICABLE | | |

...Event Desc...

AT 1230 ON 12/7/80, AN ASSISTANT PLANT OPERATOR FOUND FUSIBLE LINKS MISSING IN THE FIRE DAMPERS BETWEEN THE 139' AND 121' PENETRATION ROOMS. TECH. SPEC. 3.7.12, IN PART, REQUIRES THE ABOVE DAMPERS TO BE OPERABLE. FOLLOWING DISCOVERY, TECH. SPEC. 3.7.12 ACTION STATEMENT REQUIREMENTS WERE MET. THE HEALTH AND SAFETY OF THE PUBLIC WERE NOT AFFECTED.

| | |
|-----------------|-------------------|
| Cause Code..... | X, Other |
| Sub Cause..... | Z, Not Applicable |

...Cause Desc....

THE FUSIBLE LINKS WERE INSTALLED AND THE DAMPERS WERE DECLARED OPERATIONAL AT 2130 ON 12/10/80. AN INVESTIGATION FAILED TO DETERMINE THE CAUSE OF THE MISSING LINKS. SURVEILLANCE TEST PROCEDURE, FNP-1-STP-134, HAS BEEN DEVELOPED TO INCLUDE FIRE DAMPERS IN A PERIODIC INSPECTION PROGRAM.

| | |
|--------------------|--|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written report |
| Action..... | X, Other |
| Future Action..... | Z, No Corrective Action Taken |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | N |
| NPRD-4..... | N |
| Comp Mfr..... | Z999, ITEM NOT APPLICABLE |
| Fac. Status..... | H, Refueling |
| Power..... | 0 |
| Discovery..... | A, Operational Event |
| Dis. Desc..... | OPERATOR OBSERVATION |
| Cntl. Number..... | 033573 |
| Process date..... | 810212 |
| Film Access..... | 033573 |
| Rxmfg..... | WEST |
| Rxtyp..... | PWR |
| Plant..... | FARLEY JM |
| LiCode..... | ALJMF1 |
| LiType..... | 41111 |

Display of LER data base

| | | | |
|--------------------|--|------------------|-----------|
| HIT..... | 3 | LER Number..... | 338-81031 |
| Docket..... | 338 | Event Year..... | 81 |
| Report #..... | 031 | Revision..... | 0 |
| Event Date..... | 810414 | Report Date..... | 810515 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | VALVEX, VALVES | | |
| Sub Component..... | X, OTHER | | |
| Valve Subcode..... | D, SHUTOFF, ISOLATION, STOP | | |
| Cmpnt Supplier.... | L, Licensee | | |

...Event Desc...

ON APRIL 14, 1981, WITH THE UNIT IN MODE 1, THE FIRE DAMPER BETWEEN UNIT 1 AND 2 CABLE TUNNELS FAILED TO SHUT DURING AN OPERATIONAL INSPECTION. WITHIN ONE HOUR, THE FIRE DETECTORS WERE VERIFIED OPERATIONAL AND A FIRE WATCH WAS POSTED. HENCE, THE HEALTH AND SAFETY OF THE GENERAL PUBLIC WERE NOT AFFECTED. THIS SPECIAL REPORT IS BEING SUBMITTED PURSUANT TO TECH. SPEC. 3.9.2 AS CALLED FOR BY TECH. SPEC. 3.7.15 (UNIT 2) SINCE THE FIRE DAMPER WAS NOT MADE OPERATIONAL WITHIN SEVEN DAYS.

| | |
|-----------------|---|
| Cause Code..... | B, Design, Manufacturing, Const/Instal. |
| Sub Cause..... | A, Design |

...Cause Desc....

THE FIRE DAMPER FAILED TO SHUT DUE TO BINDING OF THE TRIP CABLE AND MISALIGNMENT OF THE DOOR WITHIN ITS TRACK. AN ENGINEERING WORK REQUEST WAS INITIATED TO PROPOSE A SOLUTION TO IMPROVE OPERABILITY OF THE DAMPER. THE MODIFICATION HAS NOT BEEN INCORPORATED AT THIS TIME.

| | |
|--------------------|--|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written repo |
| Action..... | Z, No Corrective Action Taken |
| Future Action..... | F, Redesign/Modify |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | Y |
| NPRD-4..... | N |
| Comp Mfr..... | A181, ALLIED THERMAL CORP. |
| Fac. Status..... | E, Steady State Operation |
| Power..... | 100 |
| Discovery..... | A, Operational Event |
| Dis. Desc..... | FIRE MARSHAL OBSERVATION |
| Cntl. Number..... | 037037 |
| Publicity issued.. | N |
| Pub. desc..... | NA |
| Process date..... | 810626 |
| Film Access..... | 037037 |
| Rxmfg..... | WEST |
| Rxtyp..... | PWR |
| Plant..... | NORTH ANNA |
| LiCode..... | VANAS1 |
| LiType..... | 41111 |

Display of LER data base
HIT 4

THIS DETECTED. DAMPER WOULD NOT HAVE CLOSED IN CASE OF
ELEVATED AMBIENT TEMPERATURE INSIDE ROOM. NO
SIGNIFICANT RESULTING EVENTS. NO DANGER TO HEALTH OR
SAFETY OF PUBLIC. NO PREVIOUS EVENTS.

Cause Code..... E, Component Failure
Sub Cause..... B, Mechanical

...Cause Desc....
SEPARATION OF THE FUSIBLE LINK IDENTIFIED THE PROBLEM.
DAMPER WAS PLACED IN CLOSED POSITION. OTHER DAMPERS
WERE INSPECTED FOR PAINT BUILD-UP AND FOUND FUNCTIONAL.
A PROCEDURE WILL BE WRITTEN FOR INSPECTION AND
PREVENTIVE MAINTENANCE ON ALL FIRE DAMPERS. AIROLITE
820E, 15 INCH, FUSIBLE LINK TYPE. FUSE LINK ON ORDER.

Occurrence..... 03, Reportable occurrences requiring 30-day written report
Action..... X, Other
Future Action..... G, Change of Procedure
Effect..... Z, No Significant Effect
S/D Method..... Z, NO OUTAGE OCCURED
Attachment..... Y
NPRD-4..... N
Comp Mfr..... A122, AIROLITE
Fac. Status..... E, Steady State Operation
Power..... 99
Discovery..... C, Special Test/Inspection
Dis. Desc..... SPECIAL INSPECTION
Display of LER data base
Cntl. Number..... 037171
Process date..... 810804
Film Access..... 037171
Rxmfg..... GE
Rxtyp..... BWR
Plant..... BROWNS FERRY
LiCode..... ALBRF1
LiType..... 41111

Display of LER data base

| | | | |
|--------------------|--|------------------|-----------|
| HIT..... | 5 | LER Number..... | 338-81052 |
| Docket..... | 738 | Event Year..... | 81 |
| Report #..... | 052 | Revision..... | 0 |
| Event Date..... | 810709 | Report Date..... | 810806 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | VALVEX, VALVES | | |
| Sub Component..... | K, SINGLE BLADE | | |
| Valve Subcode..... | D, SHUTOFF, ISOLATION, STOP | | |
| Cmpnt Supplier.... | A, Architect/Engineer | | |

...Event Desc...

ON JULY 9, 1981, IT WAS DETERMINED THAT ALL UNIT 1 AND UNIT 2 BATTERY ROOM EXHAUST FIRE DAMPERS WERE NON-FUNCTIONAL SINCE THE FIRE DAMPER FUSIBLE LINKS WERE NOT LOCATED WITHIN THE AIR FLOW PATH. SINCE FIRE WATCHES WERE POSTED WITHIN ONE HOUR, THE HEALTH AND SAFETY OF THE GENERAL PUBLIC WERE NOT AFFECTED. THIS IS CONTRARY TO UNIT 1 TECH. SPEC. 3.7.15 AND REPORTABLE PURSUANT TO SPECIFICATION 6.9.1.9.B.

| | |
|-----------------|---|
| Cause Code..... | B, Design, Manufacturing, Const/Instal. |
| Sub Cause..... | C, Construction/Installation |

...Cause Desc....

THE FUSIBLE LINKS WERE LOCATED BEHIND THE DAMPER AND WERE NOT IN THE VENTILATION AIR FLOW PATH. AN ENGINEERING WORK REQUEST WAS SUBMITTED TO MODIFY THE FIRE DAMPERS TO POSITION THE FUSIBLE LINK WITHIN THE AIR STREAM AND TO MAINTAIN THE DAMPER IN THE OPEN POSITION BY USE OF A TRIP LATCH.

| | |
|--------------------|---|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written repo: |
| Action..... | F, Redesign/Modify |
| Future Action..... | Z, No Corrective Action Taken |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | Y |
| NPRD-4..... | N |
| Comp Mfr..... | S420, STONE & WEBSTER ENG. CORP. |
| Fac. Status..... | E, Steady State Operation |
| Power..... | 100 |
| Discovery..... | A, Operational Event |
| Dis. Desc..... | ENGINEERING INVESTIGATION |
| Cntl. Number..... | 037968 |
| Process date..... | 810911 |
| Film Access..... | 037968 |
| Rxmfg..... | WEST |
| Rxtyp..... | PWR |
| Plant..... | NORTH ANNA |
| LiCode..... | VANAS1 |
| LiType..... | 41111 |

Display of LER data base

| | | | |
|--------------------|--|------------------|-----------|
| HIT..... | 6 | LER Number..... | 315-82093 |
| Docket..... | 315 | Event Year..... | 82 |
| Report #..... | 093 | Revision..... | 0 |
| Event Date..... | 821006 | Report Date..... | 821105 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | XXXXXX, OTHER COMPONENTS | | |
| Sub Component..... | Z, NA | | |
| Valve Subcode..... | Z, NA | | |
| Cmpnt Supplier.... | Z, Item Not Applicable | | |

...Event Desc...

DURING NORMAL OPERATION , AN AUDIT OF THE FIRE PROTECTION SYSTEM JOB ORDERS FOUND THAT FIRE DOORS AND FIRE DAMPERS PROTECTING SAFETY RELATED AREAS WERE NOT DOCUMENTED AS HAVING THEIR OPERABILITY RESTORED FOLLOWING REPAIRS . THIS WAS INCONSISTENT WITH THE REQUIREMENTS OF T.S.4.7.10.B . THE HEALTH AND SAFETY OF THE PUBLIC WAS NOT AFFECTED . THIS IS THE FIRST OCCURRENCE OF THIS TYPE .

| | |
|-----------------|-------------------------|
| Cause Code..... | D, Defective Procedures |
| Sub Cause..... | Z, Not Applicable |

...Cause Desc....

THE APPARENT CAUSE WAS AN OVERSIGHT . SINCE DISCOVERY OF THIS SITUATION , INSPECTION PROCEDURES HAVE BEEN ISSUED WITH JOB ORDERS TO DOCUMENT THEIR OPERABILITY FOLLOWING REPAIRS . A SURVEILLANCE TEST PROCEDURE FOR FIRE DOORS HAS BEEN WRITTEN . A SIMILAR SURVEILLANCE TEST PROCEDURE HAS BEEN WRITTEN FOR FIRE DAMPERS .

| | |
|--------------------|--|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written repo |
| Action..... | G, Change of Procedure |
| Future Action..... | G, Change of Procedure |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | N |
| NPRD-4..... | N |
| Comp Mfr..... | Z999, ITEM NOT APPLICABLE |
| Fac. Status..... | F, Load Changes During Routine Power Operation |
| Power..... | 068 |
| Discovery..... | A, Operational Event |
| Dis. Desc..... | QUALITY ASSURANCE FINDING |
| Cntl. Number..... | 315-82093 |
| Preparer..... | BURKE BA |
| Phone..... | 616-465-5901 |
| Process date..... | 821116 |
| Film Access..... | 0000476A06 |
| Rxmfg..... | WEST |
| Rxtyp..... | PWR |
| Plant..... | COOK DC |
| LiCode..... | MIDCC1 |
| LiType..... | 41111 |

Display of LER data base

| | | | |
|--------------------|--|------------------|-----------|
| HIT..... | 7 | LER Number..... | 416-82008 |
| Docket..... | 416 | Event Year..... | 82 |
| Report #..... | 008 | Revision..... | 1 |
| Event Date..... | 820626 | Report Date..... | 820907 |
| Report Type..... | X, OTHER (Includes update reports) | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | INSTRU, INSTRUMENTATION AND CONTROLS | | |
| Sub Component..... | P, POWER SUPPLY | | |
| Valve Subcode..... | Z, NA | | |
| Cmpnt Supplier.... | A, Architect/Engineer | | |

...Event Desc...

DURING PREOPERATIONAL TESTING OF THE CO2 FIRE PROTECTION SYSTEM , THE VENTILATION DAMPERS FOR DIVISION 1 AND 2 SWICHGEAR ROOMS FAILED TO CLOSE UPON A CO2 ACTUATION SIGNAL . DURING EVALUATION , A SPECIAL TEST WAS CONDUCTED IN WHICH THE DAMPERS FAILED TO CLOSE AGAIN . AS A RESULT , A LIMITING CONDITION FOR OPERATION WAS ENTERED ON JUNE 26 PURSUANT TO T.S.3.7.6.3. THE EVENT IS BEING REPORTED IN ACCORDANCE WITH T.S.6.9.2.

| | |
|-----------------|---|
| Cause Code..... | B, Design, Manufacturing, Const/Instal. |
| Sub Cause..... | A, Design |

...Cause Desc....

THE POWER SUPPLY WAS NOT SUFFICIENT TO MELT THE ELECTRO-THERMAL LINKS CONNECTED TO THE DAMPERS . A DESIGN CHANGE PACKAGE WAS INITIATED TO REPLACE THE POWER SUPPLY AND ASSOCIATED RELAYS . AN HOURLY FIRE WATCH WAS ESTABLISHED IN THE INTERIM . THE DESIGN CHANGE INSTALLATION AND TESTING WAS COMPLETED ON AUGUST 15 , 1982 .

| | |
|--------------------|---|
| Occurrence..... | 99, Other (Any other report required by Tech Specs or license conditions) |
| Action..... | F, Redesign/Modify |
| Future Action..... | Z, No Corrective Action Taken |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | Y |
| NPRD-4..... | N |
| Comp Mfr..... | LO45, LAMBDA ELECTRONICS |
| Fac. Status..... | H, Refueling |
| Power..... | 000 |
| Discovery..... | C, Special Test/Inspection |
| Dis. Desc..... | NA |
| Cntl. Number..... | 416-82008-1 |
| Preparer..... | BYRD R |
| Process date..... | 820927 |
| Film Access..... | 0000387005-0, 0000420801-1 |
| Rxmfg..... | GE |
| Rxtyp..... | BWR |
| Plant..... | GRAND GULF |
| LiCode..... | MSGGS1 |
| LiType..... | 41111 |

Display of LER data base

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|--------------------|--|------------------|-----------|
| HIT..... | 8 | LER Number..... | 029-83014 |
| Docket..... | 029 | Event Year..... | 83 |
| Report #..... | 014 | Revision..... | 0 |
| Event Date..... | 830429 | Report Date..... | 830527 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | XXXXXX, OTHER COMPONENTS | | |
| Sub Component..... | Z, NA | | |
| Valve Subcode..... | Z, NA | | |
| Cmpnt Supplier.... | L, Licensee | | |

...Event Desc...

DURING NORMAL OPERATION IN MODE 1 , WHILE PERFORMING A FUNCTIONAL TEST OF THE CONTROL ROOM VENTILATION FIRE DAMPERS FOLLOWING A MODIFICATION TO THE FIRE DETECTION SYSTEM , ONE DAMPER FAILED TO CLOSE RESULTING IN A NONFUNCTIONAL FIRE BARRIER (T.S.3.7.11) . THIS IS THE FIRST FAILURE OF THIS NATURE . A THERMALLY ACTUATED BACKUP RELEASE MECHANISM IS PRESENT INSIDE THE DUCT TO ALLOW THE DAMPER TO CLOSE .THERE WAS NO ADVERSE EFFECT TO THE PUBLIC HEALTH OR SAFETY AS A RESULT OF THIS OCCURRENCE .

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|-----------------|---|
| Cause Code..... | B, Design, Manufacturing, Const/Instal. |
| Sub Cause..... | B, Manufacturing |

...Cause Desc....

THE CAUSE OF THIS OCCURRENCE WAS THE FAILURE OF THE HEATING ELEMENT OF THE ELECTRO THERMAL LINK (ETL) WHEN ENERGIZED BY THE FIRE DETECTION SYSTEM . THE ETL IS A 0.2 AMP , 6-30 VOLT , 165 DEGREES FAHRENHEIT DEVICE MANUFACTURED BY THE S R PRODUCTS INC . THE ETL WAS REPLACED IN KIND AND THE DAMPER SATISFACTORILY RETESTED . NO FURTHER CORRECTIVE ACTIONS ARE DEEMED

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|--------------------|-------------------------------|
| Future Action..... | Z, No Corrective Action Taken |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | N |
| NPRD-4..... | N |
| Comp Mfr..... | X999, OTHER |
| Fac. Status..... | E, Steady State Operation |
| Power..... | 100 |
| Discovery..... | B, Routine Test/Inspection |
| Dis. Desc..... | SURVEILLANCE TEST |
| Cntl. Number..... | 029-83014 |
| Preparer..... | MAY EL |
| Phone..... | 413-625-6140 |
| Process date..... | 830624 |
| Film Access..... | 0000709F07 |
| Rxmfg..... | WEST |
| Rxtyp..... | PWR |
| Plant..... | YANKEE ROWE |
| LiCode..... | MAYKR1 |
| LiType..... | 41111 |

Display of LER data base

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|--------------------|--|------------------|-----------|
| HIT..... | 9 | LER Number..... | 277-82018 |
| Docket..... | 277 | Event Year..... | 82 |
| Report #..... | 018 | Revision..... | 0 |
| Event Date..... | 820724 | Report Date..... | 820823 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | XXXXXX, OTHER COMPONENTS | | |
| Sub Component..... | Z, NA | | |
| Valve Subcode..... | Z, NA | | |
| Cmpnt Supplier.... | A, Architect/Engineer | | |

...Event Desc...

WHILE TESTING THE SMOKE DETECTORS IN THE CABLE SPREADING ROOM, THE OPERATORS INITIATED A TRIP WHICH CAUSED CLOSURE OF THE FIRE DAMPERS IN THAT ROOM . ONE DAMPER WAS OBSERVED REMAINING OPEN AND DECLARED INOPERABLE . TECH SPEC 3.14.D.1 IS APPLICABLE .

| | |
|-----------------|-------------------------------------|
| Cause Code..... | A, Personnel Error |
| Sub Cause..... | B, Nonlicensed Operations Personnel |

...Cause Desc....

INSPECTION OF THE DAMPER DETERMINED THAT THE SOLENOID RELEASE MECHANISM (DERBY ELECTRIC RELEASE) APPEARED TO BE IMPROPERLY RESET AND THE CHAIN DID NOT RELEASE , ALLOWING THE FIRE DOOR TO CLOSE . THE MECHANISM WAS PROPERLY RESET AND TESTED SEVERAL TIMES AND DECLARED OPERABLE .

| | |
|--------------------|---|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written repo: |
| Action..... | E, Recalibrate/Adjust |
| Future Action..... | Z, No Corrective Action Taken |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | N |
| NPRD-4..... | N |
| Comp Mfr..... | X999, OTHER |
| Fac. Status..... | E, Steady State Operation |
| Power..... | 100 |
| Other Status..... | UNIT 3 @ 65.3% |
| Discovery..... | B, Routine Test/Inspection |
| Dis. Desc..... | OPERATOR OBSERVATION |
| Cntl. Number..... | 277-82018 |
| Preparer..... | COONEY MJ |
| Phone..... | 215-841-5020 |
| Process date..... | 830725 |
| Film Access..... | 0000778B09 |
| Rxmfg..... | GE |
| Rxtyp..... | BWR |
| Plant..... | PEACH BOTTOM |
| LiCode..... | PAPBS2 |
| LiType..... | 41111 |

Display of LER data base

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|--------------------|--|------------------|-----------|
| HIT..... | 10 | LER Number..... | 346-83041 |
| Docket..... | 346 | Event Year..... | 83 |
| Report #..... | 041 | Revision..... | 0 |
| Event Date..... | 830727 | Report Date..... | 830826 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | VALVEX, VALVES | | |
| Sub Component..... | N, PROPORTIONING LOUVER | | |
| Valve Subcode..... | D, SHUTOFF, ISOLATION, STOP | | |
| Cmpnt Supplier.... | Z, Item Not Applicable | | |

...Event Desc...

(NP-33-83-50) ON 7/27/83, THREE FIRE DAMPERS WERE FOUND NONFUNCTIONAL ON 7/29/83 AT 1030 HOURS, A 4 INCH SQUARE CABLE DUCT WAS FOUND NOT PROPERLY SEALED WITH KAOWOOL IN CABINET C-5760A. THESE OCCURRENCES PLACED THE UNIT IN THE ACTION STATEMENT OF TECH SPEC 3.7.10. THERE WAS NO DANGER TO THE HEALTH AND SAFETY OF THE PUBLIC OR STATION PERSONNEL. THE AREAS INVOLVED IN BOTH OCCURRENCES ARE PROTECTED BY SPRINKLER AND FIRE DETECTION SYSTEMS .

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|-----------------|---|
| Cause Code..... | B, Design, Manufacturing, Const/Instal. |
| Sub Cause..... | C, Construction/Installation |

...Cause Desc....

THE DAMPERS FAILED TO CLOSE DUE TO EXCESSIVE SIDE PRESSURE FROM THE SURROUNDING CONCRETE. THE DAMPERS WERE FORCIBLY CLOSED, RETURNING THE FIRE BARRIER TO FUNCTIONAL. THE DAMPERS WILL BE REPAIRED OR REPLACED. THE CAUSE OF THE IMPROPERLY SEALED CABLE DUCT WAS A CONSTRUCTION INSTALLATION ERROR. THE DUCT WAS IMMEDIATELY STUFFED WITH KAOWOOL, REMOVING THE UNIT FROM THE ACTION STATEMENT .

| | |
|--------------------|--|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written repo |
| Action..... | X, Other |
| Future Action..... | X, Other |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | Y |
| NPRD-4..... | N |
| Comp Mfr..... | Z999, ITEM NOT APPLICABLE |
| Fac. Status..... | D, Routine Shutdown Operations |
| Power..... | 000 |
| Discovery..... | B, Routine Test/Inspection |
| Dis. Desc..... | DURING PERFORMANCE OF ST 5016.11 |
| Cntl. Number..... | 346-83041 |
| Preparer..... | WOLFE R |
| Phone..... | 419-259-5000 |
| Process date..... | 830906 |
| Film Access..... | 0000856B04 |
| Rxmfg..... | BW |
| Rxtyp..... | PWR |
| Plant..... | QAVIS BESSE |
| LiCode..... | OHDBS1 |
| LiType..... | 41111 |

Display of LER data base

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|--------------------|--|------------------|-----------|
| HIT..... | 11 | LER Number..... | 346-83046 |
| Docket..... | 346 | Event Year..... | 83 |
| Report #..... | 046 | Revision..... | 0 |
| Event Date..... | 830830 | Report Date..... | 830929 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | VALVEX, VALVES | | |
| Sub Component..... | N, PROPORTIONING LOUVER | | |
| Valve Subcode..... | D, SHUTOFF, ISOLATION, STOP | | |
| Cmpnt Supplier.... | Z; Item Not Applicable | | |

...Event Desc...

(NP-33-83-64) DURING THE PERFORMANCE OF ST 5016.11, THE FIRE PROTECTION SYSTEM BARRIER SURVEILLANCE TEST, 15 FIRE DAMPERS WERE FOUND NONFUNCTIONAL BETWEEN AUGUST 30, 1983 AND SEPTEMBER 22, 1983. THE NONFUNCTIONAL STATE OF THESE FIRE DAMPERS PLACED THE UNIT IN THE ACTION STATEMENT OF TECH SPEC 3.7.10. THERE WAS NO DANGER TO THE HEALTH AND SAFETY OF THE PUBLIC OR STATION PERSONNEL. THE FIRE DETECTION AND SUPPRESSION SYSTEMS, LOCATED THROUGHOUT THE PLANT, WERE OPERABLE.

| | |
|-----------------|---|
| Cause Code..... | B, Design, Manufacturing, Const/Instal. |
| Sub Cause..... | C, Construction/Installation |

...Cause Desc....

THE CAUSE OF THESE OCCURRENCES WAS EITHER AN INITIAL CONSTRUCTION INSTALLATION ERROR OR AN EQUIPMENT FAILURE DUE TO AN ACCUMULATION OF DIRT. UPON DISCOVERY OF EACH NONFUNCTIONAL DAMPER, A FIRE WATCH WAS ESTABLISHED WITHIN ONE HOUR. TO DATE, ALL DAMPERS EXCEPT THREE HAVE BEEN REPAIRED OR CLEANED AND RETURNED TO FUNCTIONAL STATUS.

| | |
|--------------------|--|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written report |
| Action..... | D, Repair Total Component |
| Future Action..... | Z, No Corrective Action Taken |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | Y |
| NPRD-4..... | N |
| Comp Mfr..... | Z999, ITEM NOT APPLICABLE |
| Fac. Status..... | D, Routine Shutdown Operations |
| Power..... | 000 |
| Discovery..... | B, Routine Test/Inspection |
| Dis. Desc..... | DURING PERFORMANCE OF ST 5016.11 |
| Cntl. Number..... | 346-83046 |
| Preparer..... | RICHTER L |
| Phone..... | 419-259-5000 |
| Process date..... | 831019 |
| Film Access..... | 0000907F11 |
| Rxmfg..... | BW |
| Rxtyp..... | PWR |
| Plant..... | DAVIS BESSE |
| LiCode..... | OHDBS1 |
| LiType..... | 41111 |

Display of LER data base

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|--------------------|--|------------------|-----------|
| HIT..... | 12 | LER Number..... | 321-83092 |
| Docket..... | 321 | Event Year..... | 83 |
| Report #..... | 092 | Revision..... | 0 |
| Event Date..... | 831004 | Report Date..... | 831028 |
| Report Type..... | L, 30-DAY | | |
| System..... | AB, Fire Protection Systems & Controls | | |
| Component..... | ZZZZZZ, CODES NOT APPLICABLE | | |
| Sub Component..... | Z, NA | | |
| Valve Subcode..... | Z, NA | | |
| Cmpnt Supplier.... | Z, Item Not Applicable | | |

...Event Desc...

DURING PERFORMANCE OF FIRE BARRIER PENETRATION SEAL AND FIRE DAMPER SURVEILLANCE PROCEDURE (HNP-1-3366 UNIT 1 AND HNP-2-3366 UNIT 2) TEN PLANT SUBSYSTEMS HAD DEGRADED FIRE BARRIERS. THUS, THE PLANT WAS UNABLE TO MEET REQUIREMENTS OF UNIT 1 T.S. 3.13.6 AND UNIT 2 T.S. SPECS. 3.7.7. FIRE WATCHES WERE ESTABLISHED FOR THE AFFECTED AREAS. THE HEALTH AND SAFETY OF THE PUBLIC WERE NOT AFFECTED BY THIS REPETITIVE EVENT AS LAST REPORTED ON LER 50-321/1982-075.

| | |
|-----------------|-------------------|
| Cause Code..... | X, Other |
| Sub Cause..... | Z, Not Applicable |

...Cause Desc....

THE CAUSE OF THESE EVENTS HAS NOT BEEN DETERMINED AT THIS TIME AND WILL BE INCLUDED IN AN UPDATE REPORT. THE CORRECTIVE ACTION IS TO REPAIR, REPLACE, OR INSTALL ADEQUATE FIRE BARRIERS IN ALL AFFECTED FIRE BARRIERS (SEE NARRATIVE FOR PRESENT DETAILS).

| | |
|--------------------|--|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written report |
| Action..... | X, Other |
| Future Action..... | Z, No Corrective Action Taken |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | Y |
| NPRD-4..... | N |
| Comp Mfr..... | Z999, ITEM NOT APPLICABLE |
| Fac. Status..... | E, Steady State Operation |
| Power..... | 069 |
| Discovery..... | B, Routine Test/Inspection |
| Dis. Desc..... | SURVEILLANCE TESTING |
| Cntl. Number..... | 321-83092 |
| Preparer..... | TIPPS SB |
| Phone..... | 912-367-7851 |
| Process date..... | 831212 |
| Film Access..... | 0000952C11 |
| Rxmfg..... | GE |
| Rxtyp..... | BWR |
| Plant..... | HATCH EI |
| LiCode..... | GAEIH1 |
| LiType..... | 41111 |

Display of LER data base

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|--------------------|---|------------------|-----------|
| HIT..... | 13 | LER Number..... | 339-83077 |
| Docket..... | 339 | Event Year..... | 83 |
| Report #..... | 077 | Revision..... | 0 |
| Event Date..... | 831120 | Report Date..... | 831216 |
| Report Type..... | L, 30-DAY | | |
| System..... | AA, Air Conditioning, Heating, Cooling & Ventilation Systems & Controls | | |
| Component..... | VALVEX, VALVES | | |
| Sub Component..... | B, BUTTERFLY | | |
| Valve Subcode..... | P, DRAIN | | |
| Cmpnt Supplier.... | A, Architect/Engineer | | |

...Event Desc...

ON NOVEMBER 20, 1983, WITH UNIT 2 IN MODE 1, A FIRE DAMPER IN THE UNIT 2 SAFEGUARDS VENTILATION SYSTEM WAS FOUND FAILED IN THE CLOSED POSITION. THIS EVENT IS REPORTABLE PURSUANT TO T.S. 6.9.1.9.B. ON DECEMBER 12, 1983 DURING AN INVESTIGATION OF THE EVENT, IT WAS DETERMINED THE SAFEGUARDS AREA FLOW RATES HAD NOT BEEN TESTED AS REQUIRED BY T.S. 4.7.8.8.3 PRIOR TO A TEST CONDUCTED ON DECEMBER 9, 1983. THIS EVENT IS REPORTABLE PURSUANT TO T.S. 6.9.1.9.B.

| | |
|-----------------|----------------------|
| Cause Code..... | E, Component Failure |
| Sub Cause..... | B, Mechanical |

...Cause Desc....

THE FIRE DAMPER FUSIBLE LINK FAILED. THE LINK WAS REPLACED AND THE FIRE DAMPER RESTORED TO OPERABLE STATUS. TESTING REQUIRED BY T.S. 4.7.8.1.B. HAD NOT BEEN INCLUDED IN ORIGINAL SAFEGUARDS AREA VENTILATION TESTS. PROCEDURES WILL BE REVISED. A RECENTLY COMPLETED REVIEW OF THE T.S. SURVEILLANCE PROGRAM TO ENSURE COMPLIANCE WITH ALL REQUIREMENTS WILL BE REVIEWED BY MANAGEMENT FOR ADEQUACY.

| | |
|--------------------|--|
| Occurrence..... | 03, Reportable occurrences requiring 30-day written report |
| Action..... | A, Replace Part(s) |
| Future Action..... | G, Change of Procedure |
| Effect..... | Z, No Significant Effect |
| S/D Method..... | Z, NO OUTAGE OCCURED |
| Attachment..... | Y |
| NPRD-4..... | Y |
| Comp Mfr..... | X999, OTHER |
| Fac. Status..... | E, Steady State Operation |
| Power..... | 100 |
| Discovery..... | A, Operational Event |
| Dis. Desc..... | OPERATOR OBSERVATION |
| Cntl. Number..... | 339-83077 |
| Preparer..... | HARRELL EW |
| Phone..... | 703-894-5151 |
| Process date..... | 831230 |
| Film Access..... | 0000999B10-0 |
| Rxmfg..... | WEST |
| Rxtyp..... | PWR |
| Plant..... | NORTH ANNA |
| LiCode..... | VANAS2 |
| LiType..... | 41111 |