

NRC FORM 358  
(7-77)

U. S. NUCLEAR REGULATORY COMMISSION

## LICENSEE EVENT REPORT

CONTROL BLOCK: 1 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 F L T P S 4 2 0 0 0 0 0 0 0 0 0 0 3 4 1 1 1 1 4 5  
 7 3 9 LICENSE CODE 14 15 LICENSE NUMBER 23 25 LICENSE TYPE 30 37 CAT 38

CON'T  
 01 REPORT SOURCE L 6 0 5 0 0 0 2 5 1 7 0 5 0 7 8 1 0 3 0 4 1 0 8 1 1 9  
 7 3 DOCKET NUMBER 52 53 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)  
 02 In the course of performing planned maintenance as a result of a problem  
 03 initially detected on Unit No. 3 (see LER 250-79-31), the disc stud nut  
 04 was discovered to be missing from the 4A main steam check valve. The nut  
 05 was recovered from the turbine control valve. The disc and disc stud  
 06 were in the proper position and the valve was fully operable as found  
 07 although the disc stud had sustained some wear damage from the loose flat  
 08 washer which had remained in place.  
 7 3 9

09 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE  
 9 H B 11 E 12 C 13 V A L V I E X 14 C 15 D 16  
 7 3 10 11 12 13 14 15 16

17 LER/RO REPORT NUMBER 18 0 19 0 20 0 21 0 22 0 23 0 24 0 25 0 26 0 27 0 28 0 29 0 30 0 31 0 32 0 33 0 34 0 35 0 36 0 37 0 38 0 39 0 40 0 41 0 42 0 43 0 44 0 45 0 46 0 47 0 48 0 49 0 50 0 51 0 52 0 53 0 54 0 55 0 56 0 57 0 58 0 59 0 60 0 61 0 62 0 63 0 64 0 65 0 66 0 67 0 68 0 69 0 70 0 71 0 72 0 73 0 74 0 75 0 76 0 77 0 78 0 79 0 80 0 81 0 82 0 83 0 84 0 85 0 86 0 87 0 88 0 89 0 90 0 91 0 92 0 93 0 94 0 95 0 96 0 97 0 98 0 99 0 100 0 101 0 102 0 103 0 104 0 105 0 106 0 107 0 108 0 109 0 110 0 111 0 112 0 113 0 114 0 115 0 116 0 117 0 118 0 119 0 120 0 121 0 122 0 123 0 124 0 125 0 126 0 127 0 128 0 129 0 130 0 131 0 132 0 133 0 134 0 135 0 136 0 137 0 138 0 139 0 140 0 141 0 142 0 143 0 144 0 145 0 146 0 147 0 148 0 149 0 150 0 151 0 152 0 153 0 154 0 155 0 156 0 157 0 158 0 159 0 160 0 161 0 162 0 163 0 164 0 165 0 166 0 167 0 168 0 169 0 170 0 171 0 172 0 173 0 174 0 175 0 176 0 177 0 178 0 179 0 180 0 181 0 182 0 183 0 184 0 185 0 186 0 187 0 188 0 189 0 190 0 191 0 192 0 193 0 194 0 195 0 196 0 197 0 198 0 199 0 200 0 201 0 202 0 203 0 204 0 205 0 206 0 207 0 208 0 209 0 210 0 211 0 212 0 213 0 214 0 215 0 216 0 217 0 218 0 219 0 220 0 221 0 222 0 223 0 224 0 225 0 226 0 227 0 228 0 229 0 230 0 231 0 232 0 233 0 234 0 235 0 236 0 237 0 238 0 239 0 240 0 241 0 242 0 243 0 244 0 245 0 246 0 247 0 248 0 249 0 250 0 251 0 252 0 253 0 254 0 255 0 256 0 257 0 258 0 259 0 260 0 261 0 262 0 263 0 264 0 265 0 266 0 267 0 268 0 269 0 270 0 271 0 272 0 273 0 274 0 275 0 276 0 277 0 278 0 279 0 280 0 281 0 282 0 283 0 284 0 285 0 286 0 287 0 288 0 289 0 290 0 291 0 292 0 293 0 294 0 295 0 296 0 297 0 298 0 299 0 300 0 301 0 302 0 303 0 304 0 305 0 306 0 307 0 308 0 309 0 310 0 311 0 312 0 313 0 314 0 315 0 316 0 317 0 318 0 319 0 320 0 321 0 322 0 323 0 324 0 325 0 326 0 327 0 328 0 329 0 330 0 331 0 332 0 333 0 334 0 335 0 336 0 337 0 338 0 339 0 340 0 341 0 342 0 343 0 344 0 345 0 346 0 347 0 348 0 349 0 350 0 351 0 352 0 353 0 354 0 355 0 356 0 357 0 358 0 359 0 360 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Additional Event Description and Probable Consequences:

On Wednesday, May 7, 1980, in the course of performing planned maintenance scheduled as a result of a problem initially detected on Unit No. 3 (see LER 250-79-31), the disc stud nut was discovered missing from the 4A main steam check valve (MSCV). The disc and disc stud were in the proper position and the valve was fully operable as found. The disc stud nut was subsequently recovered from the turbine control valve. The 4A MSCV disc stud had sustained some wear damage from the loose washer which had remained in place. The 4B and 4C MSCVs were inspected and the disc stud nuts were found in place although some distress was noted on the disc stud. Additionally, the main steam isolation valves (MSIVs) were inspected.

During a reinspection of the locking device in November 1980, to evaluate its performance, distress was noted on the 4A and 4B MSCV locking device.

Additional Cause Description and Corrective Actions:

The cause of the disc stud nut dislodging from the disc stud was failure of its associated locking device. Vibration resulted in the disc stud nut "backing off" the disc stud. The disc studs and disc stud nuts on all three MSCVs were replaced and an improved locking device was installed prior to starting up from cold shutdown. The improved locking device was also installed on all three MSIVs. This improved locking device provided for changing the nut material to permit it to be fillet welded to the disc stud.

Subsequent to discovery of additional distress (in November 1980) in the area of the improved locking device, temporary repairs were effected. A plant change/modification was prepared for installing new disc studs on both the MSIVs and MSCVs. A nut will be secured to each of the new studs by use of two pins inserted axially between the nut and stud. Pending approval of the modification package and receipt of material, the new locking device will be installed. The implementation schedule is tentatively set for July 1981.