

March 20, 1989

Mr. John J. Verderber
Senior Mechanical Engineer
104A Meadowood Place
Aiken, SC 29801

Dear Mr. Verderber:

SUBJECT: REFERENCES/INFORMATION ON PASSIVE MECHANICAL VALVE
FAILURE AND PASSIVE MECHANICAL FAILURE

In response to your request dated February 1, 1989 for information/references on Passive Mechanical Failures and Passive Mechanical Valve Failures, a search of the terms "passive mechanical valve failure*," "passive mechanical failure*," and "passive valve failure*" was done on the NUDOCS data base. The search involved nearly two million records of correspondence and reports related to the NRC regulatory mission. The result of this search is enclosed. Also enclosed is a copy of a memorandum from Harold Denton to Themis Speis dated July 9, 1985, which addresses the bases for the closeout of Generic Issue B-58, entitled "Passive Mechanical Failures." We hope that you find the information helpful.

We also note that both the NUDOCS data base and the reports listed in the enclosure are accessible through the NRC Public Document Room (PDR). Should you need further information about NUDOCS and any of these reports, please contact the PDR at 202-634-3273.

Sincerely,

Original Signed by
L. C. Shao

Lawrence C. Shao, Director
Division of Engineering & Systems Technology
Office of Nuclear Reactor Regulation

Enclosures:
As stated

DISTRIBUTION:

CENTRAL FILE

EMEB Rdg. T. Murley
K. Dempsey F. Miraglia
T. Sullivan C. Paul 89-4
T. Marsh D. Mossburg-YT899035
J. Richardson PDR
L. Shao(2)

*See previous concurrence

OFC	:*EMEB/DEST	:*EMEB/DEST	:*EMEB/DEST	:EAD/DEST	:D/DEST	:
NAME	:KDempsey	:TSullivan	:TMarsh	:JRichardson	:LShao	:
DATE	:03/09/89	:03/13/89	:03/13/89	:3/20/89	:4/1/89	:

8903300059 890320
PDR GTECI GP1B-58
PDR

per Jim McKnight
3/28/89
PCE
DF03
1:30pm
OFF

RD-7

PASSIVE VALVE FAILURE/PASSIVE MECHANICAL VALVE FAILURE

U.S. NUCLEAR REGULATORY COMMISSION

NUDACS FULL RECORD FORMAT REPORT

AND: B007160601 SN: FICHE ADDR: 05863 188 05863 189 AVL: PDR DTC: CLNTZ NP: 2pp. SZ: A4 SSC: DLST: D507
 DIS: B00711 DIN: B00711 DPN: DRN:
 TID: Forwards LER printout re passive mechanical valve failures, FRN: ADM: 3RD SUP: N
 in response to Dec 1979 request concerning County Contention ODID: TASK:
 4a(ii).Forwards ACRS latest repts on generic issues re LPDR: Y
 County Contention 3(a)(i) & (ii).W/o encl. CN: SAL: WRC BFT:
 AN1: BORDENICK,E.M. AA: MELHBR4 DIX: B00716 DKD: PR: FPK: B007160601
 RN1: GOLDSMITH,M.W. RA: ECI#### FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B00711

AND: B011180723 SN: FICHE ADDR: 06991 308 06991 308 AVL: PDR DTC: TRLER NP: 1p. SZ: A4 SSC: DLST: A002
 DIS: B01107 DIN: B0-046/03L DPN: DRN: 0
 TID: LER B0-046/03L-0:on B01009,during normal operation,passive FRN: ADM: 1RT SUP: N
 failure gas monitor 1RT-PR15 repeatedly tripped off.Caused ODID: TASK:
 by burned limit switch due to loose contacts.Valve actuator LPDR: Y
 replaced.Monitor returned to svc. CN: SAL: WRC BFT:
 AN1: AKEF,R.E. AA: EUTCLIL DIX: B01118 DKD: PR: FPK: B011180716A
 RN1: NOIR3 RA: NOIR3 FCEN: PDR F1: ADOCK F2: 05000295 F3: 5 B01107

AND: B105150328 SN: FICHE ADDR: 95273 162 95273 162 AVL: CF DTC: CMEMOMP: 1p. SZ: A4 SSC: DLST:
 DIS: 761110 DIN: 761110 DPN: DRN:
 TID: Forwards memo re passive mechanical valve failures per FRN: ADM: 5FLO SUP: N
 761103 request for info on technical issues being ODID: ZECH TASK:
 treated inadequately. LPDR:
 AN1: ROSZTOCZY,Z.R. AA: NORSSAB CN: SAL: WRC BFT: Y
 RN1: RUSCHE,B.C. RA: NORD DIX: B10515 DKD: PR: FPK: B105150328
 FCEN: CF F1: SUBJ F2: F3: 761110

AND: B105150368 SN: FICHE ADDR: 95263 291 95263 295 AVL: CF DTC: CMEMOMP: 1p. SZ: A4 SSC: DLST:
 DIS: 751119 DIN: 751119 DPN: DRN:
 TID: Forwards W Hodges summary re data on passive mechanical FRN: ADM: 5FLO SUP: N
 valve failures.Recommends changes in regulatory requirements ODID: ZECH TASK:
 for single mechanical valve failures initiating events of LPDR:
 transients & in design of safety-related equipment. CN: SAL: WRC BFT: Y
 AN1: ROSZTOCZY,Z.R. AA: NORSSRS DIX: B10515 DKD: PR: FPK: B105150368
 RN1: NOVAK,T.M. RA: NORSSRS FCEN: CF F1: SUBJ F2: F3: 751119

AND: B105150372 SN: FICHE ADDR: 95263 292 95263 295 AVL: CF DTC: CMEMOMP: 4pp. SZ: A4 SSC: DLST:
 DIS: 751119 DIN: 751119-01 DPN: DRN:
 TID: Forwards list of passive mechanical valve failures occurring FRN: ADM: 5FLO SUP: N
 from 1969-1975.Single failure analyses of ECC sys neglect ODID: ZECH TASK:
 passive failures due to low probability of occurrence. LPDR:
 Recommends passive failures be included in review process. CN: SAL: WRC BFT: Y
 AN1: HODGES,W. AA: NORSSRS DIX: B10515 DKD: PR: FPK: B105150368A
 RN1: NOVAK,T.M. RA: NORSSRS FCEN: CF F1: SUBJ F2: F3: 751119

U.S. NUCLEAR REGULATORY COMMISSION

NUDACS FULL RECORD FORMAT REPORT

AND: B204140485 SN: FICHE ADDR: 12666 204 12666 210 AVL: PDR
 DIS: B20412
 TID: Testimony of R Kirkwood re Suffolk County Contention 11 re
 passive mechanical valve failures. Applicant designed,
 erected, fabricated & tested safety-related sys valves per
 applicable codes & stds. Prof qualifications encl.
 AN1: KIRKWOOD, R. AA: NRRECME
 RN1: RA:

DTC: TTTRANNP: 7pp. SZ: A4 SSC: DLST:
 DIN: TRAN-B20412 DPM: DRN:
 FRN: ADM: 5BH SUP: N
 ODID: TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B20414 DKD: PR: FPK: B204140439F
 FCEN: PDR F1: ADOCK F2: 05000322 F3: T B20412

AND: B204160056 SN: FICHE ADDR: 12694 124 12694 150 AVL: PDR
 DIS: B20413
 TID: Testimony of DB Bridenbaugh & GC Minor re Suffolk County
 Contention 11 on passive mechanical valve failure.
 AN1: BRIDENBAUGH, D. AA: ELOSUCO
 RN1: RA:

DTC: TTTRANNP: 27pp. SZ: A4 SSC: DLST:
 DIN: TRAN-B20413-03 DPM: DRN:
 FRN: ADM: 5BH SUP: Y
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B20416 DKD: PR: FPK: B204160043E
 FCEN: PDR F1: ADOCK F2: 05000322 F3: B B20413

AND: B204190196 SN: FICHE ADDR: 12729 209 12729 224 AVL: PDR
 DIS: B20413
 TID: Testimony of RE Fortier on Suffolk County Contention 11 re
 passive mechanical valve failure.
 AN1: FORTIER, R.E. AA: EUTLIL
 RN1: RA:

DTC: TTTRANNP: 18pp. SZ: A4 SSC: DLST:
 DIN: TRAN-B20413-05 DPM: DRN:
 FRN: ADM: 5BH SUP: N
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B20419 DKD: B20415 PR: FPK: B204190173F
 FCEN: PDR F1: ADOCK F2: 05000322 F3: T B20413

AND: B204220015 SN: FICHE ADDR: 66023 188 66023 189 AVL: CF
 DIS: B20310
 TID: Forwards response to Shoreham Opponents Coalition re passive
 valve failure. During plant operation valves will be tested
 for operational readiness.
 AN1: BOSNAK, R.J. AA: NRRECME
 RN1: BORDENICK, B.M. RA: WELD

DTC: CMMENONP: 2pp. SZ: A4 SSC: DLST:
 DIN: B20310 DPM: DRN:
 FRN: ADM: 3JNT SUP: N
 ODID: TASK:
 DKN: 05000322 LPDR:
 CN: SAL: NRC BFT:
 DIX: B20422 DKD: PR: FPK: B204220015
 FCEN: CF F1: ADOCK F2: 05000322 F3: B20310

AND: B304120515 SN: FICHE ADDR: 17933 121 17933 136 AVL: PDR
 DIS: B30407
 TID: Motion to reopen record on Suffolk County Contention 11 re
 passive mechanical valve failure. Recent NRC data indicates
 likelihood of undetected valve failure greater than
 previously anticipated.
 AN1: LANPHER, L.C. AA: ELOSUCO
 RN1: RA: NASLP

DTC: TTPLEDNP: 3pp. SZ: A4 SSC: DLST: DS03
 DIN: PLED-B30407 DPM: DRN:
 FRN: ADM: 5BH SUP: Y
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B30412 DKD: B30411 PR: FPK: B304120515
 FCEN: PDR F1: ADOCK F2: 05000322 F3: B B30407

U.S. NUCLEAR REGULATORY COMMISSION

NUDCCS FULL RECORD FORMAT REPORT

AND: B304270251 SN: FICHE ADDR: 18232 031 18232 054 AVL: PDR
 DIS: B30422
 TID: Response opposing Suffolk County motion to reopen record on Suffolk County Contention 11 re passive mechanical valve failure. Repts on settlement status of Contention 11. Motion untimely & issues insignificant.
 AN1: FLANAGAN, D.O. AA: EUTLIL
 RN1: RA: NASLP
 DTC: TTFLDNP: 10pp. SZ: A4 SSC: DLST: DS03
 DIN: PLED-B30422 DPN: DRN:
 FRN: ADM: SBH SUP: N
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B30427 DKD: B30426 PR: FPK: B304270251
 FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B30422

AND: B304280015 SN: FICHE ADDR: 18253 128 18253 143 AVL: PDR
 DIS: B30427
 TID: Response in opposition to Suffolk County B30407 motion to reopen record on Contention 11 re passive mechanical valve failures. IE Bulletin B3-03 does not justify reopening record. Certificate of Svc encl.
 AN1: REPKA, D.A. AA: NELH6B3
 RN1: RA: NASLP
 DTC: TTFLDNP: 16pp. SZ: A4 SSC: DLST: DS07
 DIN: PLED-B30427 DPN: DRN:
 FRN: ADM: SCEL SUP: N
 ODID: IEB-B3-03 TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B30428 DKD: PR: FPK: B304280015
 FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B30427

AND: B305260271 SN: FICHE ADDR: 18625 355 18625 363 AVL: PDR
 DIS: B30525
 TID: Suppls to B30211 proposed opinion & findings of fact on Suffolk County Contention 11 re passive mechanical valve failures. Suppls to be used only if ASLB reopens record. Certificate of Svc encl.
 AN1: REPKA, D.A. AA: NELH6B3
 RN1: RA:
 DTC: TTFFCLNP: 9pp. SZ: A4 SSC: DLST: DS07
 DIN: FFCL-B30525 DPN: DRN:
 FRN: ADM: SBH SUP: N
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B30526 DKD: PR: FPK: B305260271
 FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B30525

AND: B305270563 SN: FICHE ADDR: 18645 313 18645 320 AVL: PDR
 DIS: B30526
 TID: Order directing clarification by B30610 of Contention SC 11, passive mechanical valve failure & IE Bulletin B3-03, "Check Valve Failures in Raw Water Cooling Sys of Diesel Generators."
 AN1: BRENNER, L. AA: NASLP
 RN1: RA: EUTLIL
 DTC: TTDRDRNP: 8pp. SZ: A4 SSC: DLST: DS02
 DIN: ORDR-B30526 DPN: DRN:
 FRN: ADM: SJM SUP: Y
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B30527 DKD: B30526 PR: FPK: B305270563
 FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B30526

AND: B306130414 SN: FICHE ADDR: 18823 224 18823 234 AVL: PDR
 DIS: B30610
 TID: Response to ASLB B30526 question re passive mechanical valve failures. Encl affidavit responds to question.
 AN1: REPKA, D.A. AA: NELH6B3
 RN1: RA:
 DTC: TTDRDRNP: 1p. SZ: A4 SSC: DLST: DS07
 DIN: DTHR-B30610 DPN: DRN:
 FRN: ADM: SBH SUP: N
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B30613 DKD: PR: FPK: B306130414
 FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B30610

U.S. NUCLEAR REGULATORY COMMISSION

NUDACS FULL RECORD FORMAT REPORT

AND: B306130416 SN: FICHE ADDR: 18823 225 18823 234 AVL: PDR
 DIS: B30610
 TID: Affidavit of R Caruso responding to ASLB B30526 question re
 passive mechanical valve failures. Discusses NRC resolution
 of generic equipment problems. Prof qualifications &
 Certificate of Svc encl.
 AN1: CARUSO, R. AA: NRRL
 RN1: RA:

DTC: TTAFF NP: 10pp. SZ: A4 SSC: M DLST:
 DIN: AFF-B30610 DPN: DRN:
 FRN: ADM: SBH SUP: M
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B30613 DKD: PR: FPK: B306130414A
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30610

AND: B306220141 SN: FICHE ADDR: 18926 157 18926 165 AVL: PDR
 DIS: B30617
 TID: Affidavit of DE Bridenbaugh re info in record on Suffolk
 County Contention 11 re passive mechanical valve failure.
 Discusses deficiencies in inservice testing program.
 Certificate of Svc.
 AN1: BRIDENBAUGH, D. AA: ELDSDCO
 RN1: RA:

DTC: TTAFF NP: 9pp. SZ: A4 SSC: M DLST:
 DIN: AFF-B30617 DPN: DRN:
 FRN: ADM: SBH SUP: M
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B30622 DKD: PR: FPK: B306220134A
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30620

AND: B312010270 SN: FICHE ADDR: 21327 341 21328 012 AVL: PDR
 DIS: B31128
 TID: Rept on settlement status of issue re adequate detection of
 passive mechanical check valve failures. Adequate detection
 means exist & inservice testing program complies w/IE
 Bulletin B3-03 requirements.
 AN1: FLANAGAN, D. O. AA: EUTLIL
 RN1: RA:

DTC: TTOTHRNP: 2pp. SZ: A4 SSC: DLST: DS03
 DIN: DTHR-B31128 DPN: DRN:
 FRN: ADM: SBS SUP: Y
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B31201 DKD: B31130 PR: FPK: B312010270A
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B31128

AND: B312010272 SN: FICHE ADDR: 21327 343 21328 012 AVL: PDR
 DIS: B31128
 TID: Response to ASLB B30921 order in partial initial decision re
 addl info on detection of passive mechanical check valve
 failures. JA Rigert encl unexecuted affidavit responds to
 order. Certificate of Svc encl.
 AN1: FLANAGAN, D. O. AA: EUTLIL
 RN1: RA: NASLP

DTC: TTPLEDNP: 32pp. SZ: A4 SSC: DLST:
 DIN: PLED-B31128-05 DPN: DRN:
 FRN: ADM: SBS SUP: M
 ODID: TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B31201 DKD: PR: FPK: B312010270A
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B31128

AND: B312020172 SN: FICHE ADDR: 21354 107 21354 135 AVL: PDR
 DIS: B31128
 TID: Affidavit of JA Rigert re detection of passive mechanical
 check valve failures. Evaluation encl. Related correspondence.
 AN1: RIGERT, J. A. AA: EUTLIL
 RN1: RA:

DTC: TTAFF NP: 29pp. SZ: A4 SSC: RN DLST: DS03
 DIN: AFF-B31128 DPN: DRN:
 FRN: ADM: SLMM SUP: M
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B31202 DKD: B31201 PR: FPK: B312020172
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B31128

U.S. NUCLEAR REGULATORY COMMISSION

NUDACS FULL RECORD FORMAT REPORT

AND: B401040132 SN: FICHE ADDR: 21702 069 21702 070 AVL: PDR DTC: CLNTLPMP: 2pp. SZ: A4 SSC: DLST: D507
 DIS: B31230 DIN: B31230-01 DPN: DRN:
 TID: Forwards affidavit of R Caruso in response to LILCO B31128 FRN: ADM: SBS SUP: N
 response to ASLE order contained in partial initial decision ODID: ISSUANCES DL TASK:
 re detection of passive mechanical valve failures.W/o encl. DKN: 05000322 LPDR: Y
 CN: SAL: MRC BFT:
 AN1: REPKA,D.A. AA: NELHGB3 DIX: B40104 DKD: PR: FPK: B401040132
 RN1: BRENNER,L. RA: NASLP FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B31230

AND: B401060370 SN: FICHE ADDR: 21741 096 21741 108 AVL: PDR DTC: TTAFF NP: 11pp. SZ: A4 SSC: N DLST: D503
 DIS: B31229 DIN: AFF-B31229 DPN: DRN:
 TID: Affidavit of D6 Bridenbaugh on Suffolk County Contention 11 FRN: ADM: SJM SUP: N
 re passive mechanical valve failure.Certificate of Svc encl. ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: MRC BFT:
 AN1: BRIDENBAUGH,D. AA: EECMH3 DIX: B40106 DKD: B40105 PR: FPK: B401060370
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B31229

AND: B402150187 SN: FICHE ADDR: 22245 324 22245 328 AVL: PDR DTC: TTOTHRNP: 5pp. SZ: A4 SSC: DLST: D503
 DIS: B40213 DIN: DTHR-B40213 DPN: DRN:
 TID: Joint statement on Suffolk County Contention 11 re passive FRN: f ADM: SBS SUP: N
 mechanical valve failure.Certificate of Svc encl. ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: MRC BFT:
 AN1: MILLER,M.S. AA: ELOSUCO DIX: B40215 DKD: B40214 PR: FPK: B402150187
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B40213

AND: B403280350 SN: FICHE ADDR: 22787 146 22787 147 AVL: PDR DTC: TTORDRNP: 2pp. SZ: A4 SSC: DLST: D502
 DIS: B40327 DIN: ORDR-B40327 DPN: DRN:
 TID: Order approving settlement of portion of Suffolk County FRN: ADM: SBS SUP: N
 Contention 11 re passive mechanical valve failure.Served on ODID: DL TASK:
 B40327. DKN: 05000322 LPDR: Y
 CN: DSB 149 SAL: MRC BFT:
 AN1: BRENNER,L. AA: NASLP DIX: B40328 DKD: B40327 PR: FPK: B403280350
 RN1: RA: ELOSUCO FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B40327

AND: B603250346 SN: FICHE ADDR: 35221 016 35221 017 AVL: PDR DTC: TRLER NP: 2pp. SZ: A4 SSC: DLST: IE22
 DIS: B60321 DIN: B6-007 DPN: DRN: 00
 TID: LER B6-007-00: on B60224, control bldg emergency air FRN: ADM: JRAB SUP: N
 filtration sys Train 2A automatically actuated due to ODID: BSEP/B6-0295 TASK:
 control bldg fire alarm.Caused by actuation of fire detector DKN: 05000325 LPDR: Y
 in control room kitchen due to cooking fumes.W/B60321 ltr. CN: SAL: MRC BFT:
 AN1: PASTVA,M.J. AA: EUTCPL DIX: B60325 DKD: PR: FPK: B603250346
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000325 F3: 5 B60321

U.S. NUCLEAR REGULATORY COMMISSION

NUDACS FULL RECORD FORMAT REPORT

AND: B604230376 SN: FICHE ADDR: 35677 355 35677 359 AVL: PDR
 DIS: B60417
 TID: LER B6-002-00: on B6031B, local leak rate test results exceeded Tech Spec limit. Caused by degraded component performance at three penetrations. Valves lapped, repacked & satisfactorily retested. W/B60417 ltr.
 AN1: HILTUNEN, E.A. AA: EUTWPSC
 RN1: RA:

DTC: TRLER NP: 5pp. SZ: A4 SSC: DLST: IE22
 DIN: B6-002 DPN: DRN: 00
 FRN: ADM: 66AB SUP: N
 ODID: NRC-B6-47 TASK:
 DKN: 05000305 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B60423 DKD: PR: FPK: B604230376
 FCEN: PDR F1: ADOCK F2: 05000305 F3: 5 B60417

AND: B607250195 SN: FICHE ADDR: 37242 327 37242 332 AVL: PDR
 DIS: B60721
 TID: LER B6-022-00: on B60621, reactor tripped. Caused by closed feedwater isolation valve due to spurious valve control module signal. Valve control module & input buffer card replaced. W/B60721 ltr.
 AN1: ROBINSON, W.R. AA: EUTUNE
 RN1: RA:

DTC: TRLER NP: 6pp. SZ: A4 SSC: DLST: IE22
 DIN: B6-022 DPN: DRN: 00
 FRN: ADM: 16WR SUP: Y
 ODID: ULMRC-1346 TASK:
 DKN: 05000483 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B60725 DKD: PR: FPK: B607250195
 FCEN: PDR F1: ADOCK F2: 05000483 F3: 5 B60721

AND: B608190217 SN: FICHE ADDR: 37572 049 37572 054 AVL: PDR
 DIS: B60813
 TID: LER B6-021-00: on B60714, three safe shutdown cooling valves identified as single failure points during review of firewater sys. Caused by inadequate design installation. Addl isolation valves will be installed. W/B60813 ltr.
 AN1: HILL, J. AA: EUTPSC
 RN1: RA:

DTC: TRLER NP: 6pp. SZ: A4 SSC: DLST: IE22
 DIN: B6-021 DPN: DRN: 00
 FRN: ADM: 13KJ SUP: Y
 ODID: P-B6515 TASK:
 DKN: 05000267 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B60819 DKD: PR: FPK: B608190217
 FCEN: PDR F1: ADOCK F2: 05000267 F3: 5 B60813

AND: B609090007 SN: FICHE ADDR: 37755 160 37755 167 AVL: PDR
 DIS: B60829
 TID: LER B6-003-01: on B60331, removal of valve from svc degraded ECCS injection function of RHR sys from that analyzed in updated FSAR. Caused by misunderstanding of design bases of sys. Maint Procedure MP-12-5 revised. W/B60829 ltr.
 AN1: BAUER, S.A. AA: EUTPDBE
 RN1: RA:

DTC: TRLER NP: 8pp. SZ: A4 SSC: DLST: IE22
 DIN: B6-003 DPN: DRN: 01
 FRN: ADM: 6LAJ SUP: N
 ODID: WSO-308-B6 TASK:
 DKN: 05000344 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B60909 DKD: PR: FPK: B609090007
 FCEN: PDR F1: ADOCK F2: 05000344 F3: 5 B60829

AND: B611170287 SN: FICHE ADDR: 38619 130 38619 134 AVL: PDR
 DIS: B61113
 TID: LER B6-019-00: on B61014, failure to perform nuclear svc water valve stroke timing quarterly periodic test within required interval discovered. Caused by mgt deficiency due to inadequate administrative controls. W/B61113 ltr.
 AN1: LAY, J.E. AA: EUTDPC
 RN1: RA:

DTC: TRLER NP: 5pp. SZ: A4 SSC: DLST: IE22
 DIN: B6-019-02 DPN: DRN: 00
 FRN: ADM: 16WR SUP: N
 ODID: TASK:
 DKN: 05000369 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B61117 DKD: PR: FPK: B611170287
 FCEN: PDR F1: ADOCK F2: 05000369 F3: 5 B61113

U.S. NUCLEAR REGULATORY COMMISSION

NUDACS FULL RECORD FORMAT REPORT

AND: B611180218 SN: FICHE ADDR: 38631 165 38631 211 AVL: PDR DTC: TRLER WP: 47pp. SZ: A4 SSC: DLST: IE22
 DIS: B61107 DIN: B6-036-01 DPN: DRN: 00
 TID: LER B6-036-00: on B60521, snubber functional tests confirmed FRN: ADM: STLG SUP: Y
 104 safety-related snubbers failed to meet test acceptance ODID: TASK:
 limits. Cause of each failure determined & listed. Corrective LPDR: Y
 actions implemented from B60521-0829.W/B61107 ltr. DKN: 05000373 SAL: NRC BFT:
 AN1: SZUMSKI, D.R. AA: EUTCE1L DIX: B61118 DKD: PR: FPK: B611180218
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000373 F3: S B61107

AND: B702040204 SN: FICHE ADDR: 39495 040 39495 045 AVL: PDR DTC: TRLER WP: 6pp. SZ: A4 SSC: DLST: IE22
 DIS: B70119 DIN: B6-021 DPN: DRN: 01
 TID: LER B6-021-01: on B60714, four safe shutdown cooling valves FRN: ADM: SDGH SUP: W
 identified as being single failure points. Caused by ODID: P-B7022 TASK:
 inadequate sys design & installation. Addl isolation valve LPDR: Y
 will be installed. W/B70123 ltr. DKN: 05000267 SAL: NRC BFT:
 AN1: JOSEPH, M.A. AA: EUTPSC DIX: B70204 DKD: PR: FPK: B702040204
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000267 F3: S B70119

AND: B702050447 SN: FICHE ADDR: 39514 332 39514 338 AVL: PDR DTC: TRLER WP: 7pp. SZ: A4 SSC: DLST: IE22
 DIS: B70130 DIN: B6-022 DPN: DRN: 01
 TID: LER B6-022-01: on B60621, reactor trip occurred as result of FRN: ADM: 4LSF SUP: W
 water level in steam generator D reaching lo-lo level trip ODID: ULMRC-143B TASK:
 setpoint. Caused by spurious slow-close signal generated by LPDR: Y
 valve control module. Faulty module replaced. W/B70130 ltr. DKN: 05000483 SAL: NRC BFT:
 AN1: ROBINSON, W.R. AA: EUTUNE DIX: B70205 DKD: PR: FPK: B702050447
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000483 F3: S B70130

AND: B702260038 SN: FICHE ADDR: 39739 275 39739 278 AVL: PDR DTC: TRLER WP: 4pp. SZ: A4 SSC: DLST: IE22
 DIS: B70220 DIN: B7-001 DPN: DRN: 00
 TID: LER B7-001-00: on B70121, while unit at 98% power, plant FRN: ADM: 26SC SUP: W
 shutdown initiated when emergency diesel generator svc water ODID: TASK:
 subsystem declared inoperable. Caused by misalignment of LPDR: Y
 linkage between valves. Linkage adjusted. W/B70220 ltr. DKN: 05000247 SAL: NRC BFT:
 AN1: XENAKIS, J. AA: EUTCENY DIX: B70226 DKD: PR: FPK: B702260038
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000247 F3: S B70220

AND: B706040085 SN: FICHE ADDR: AVL: PDR DTC: TFCFRNP: 140pp. SZ: A4 SSC: DLST:
 DIS: B70101 DIN: 10CFR050 DPN: DRN:
 TID: Rules & Regulations, Part 50, "Domestic Licensing of FRN: ADM: 7CER SUP: W
 Production & Utilization Facilities." ODID: TASK:
 LPDR:
 AN1: 8 AA: NRCZ SAL: NRC BFT: Y
 RN1: RA: DIX: B80624 DKD: PR: FPK: B706040085
 FCEN: CF F1: SUBJ F2: F3: B70101

U.S. NUCLEAR REGULATORY COMMISSION

NUDOCS FULL RECORD FORMAT REPORT

AND: B7052B0139 SN: FICHE ADDR: 4110B 2B5 411 6 2B9 AVL: PDR DTC: TRLER NP: 5pp. S2: A4 SSC: DLST: IE22
 DIS: B70519 DIN: B7-044 DPN: DRN: 01
 TID: LER B7-044-01: on B61210, identified potential condition which FRN: ADM: 6JMP SUP: N
 could lead to degradation of torus vacuum breaker relief ODID: NRC-B7-0059 TASK:
 line isolation function. Caused by design deficiency. Mod DKN: 05000341 LPDR: Y
 installed to prevent limit switch failure. W/B70519 ltr. CN: SAL: NRC BFT:
 AN1: SHUPLA, S.S. AA: EUTIE DIX: B7052B DKD: PR: FPK: B7052B0139
 RN1: RA: FCEN: PDR F1: ADCK F2: 05000341 F3: S B70519

AND: B706300994 SN: FICHE ADDR: 41504 213 41504 217 AVL: PDR DTC: TRLER NP: 5pp. S2: A4 SSC: DLST: IE22
 DIS: B70625 DIN: B7-032 DPN: DRN: 00
 TID: LER B7-032-00: on B70526 & 0614, PDRV isolation valve stroke FRN: ADM: 16WR SUP: N
 tested, rendering low temp overpressure protection ODID: 6CA B7-217 TASK:
 inoperable, contrary to Tech Spec 3.2.2.1. Caused by deficient DKN: 05000312 LPDR: Y
 procedure. Procedure will be revised. W/B70625 ltr. CN: SAL: NRC BFT:
 AN1: COLDMBC, R.W. AA: EUTSMUD DIX: B70630 DKD: PR: FPK: B706300994
 RN1: RA: FCEN: PDR F1: ADCK F2: 05000312 F3: S B70625

AND: B9012700B9 SN: FICHE ADDR: 4B042 193 4B043 16B AVL: PDR DTC: TRSCP NP: 336pp. S2: A4 SSC: DLST:
 DIS: B91231 DIN: DOE/RW-0199 CH DPN: 9.4 DRN:
 TID: Chapter B.4, "Planned Site Preparation Activities," of "Site FRN: DOE/RW-0199 CHB.4 ADM: ODJH SUP: N
 Characterization Plan, Yucca Mountain R&D Area, NV." ODID: HLWR TASK:
 DKN: LPDR:
 CN: SAL: NRC BFT:
 AN1: 8 AA: EUSDOE DIX: B90127 DKD: PR: FPK: B901050262A
 RN1: RA: FCEN: PDR F1: WASTE F2: F3: WM-11 B91231

AND: B901270100 SN: FICHE ADDR: 4B043 339 4B044 167 AVL: PDR DTC: TRSCP NP: 189pp. S2: A4 SSC: DLST:
 DIS: B91231 DIN: DOE/RW-0199 CH DPN: 9.7 DRN:
 TID: Chapter B.7, "Decontamination & Decommissioning," of "Site FRN: DOE/RW-0199 CHB.7 ADM: ODJH SUP: N
 Characterization Plan, Yucca Mountain Site, Nevada R&D Area, ODID: HLWR TASK:
 NV." Chapter B refs & glossary & acronyms included. DKN: LPDR:
 CN: SAL: NRC BFT:
 AN1: 8 AA: EUSDOE DIX: B90127 DKD: PR: FPK: B901050262A
 RN1: RA: FCEN: PDR F1: WASTE F2: F3: WM-11 B91231

NOTES:

AND - ACCESSION NUMBER

DIS - DATE ISSUED

ANI - AUTHOR

NP - NUMBER OF PAGES

~~PASSIVE MECHANICAL FAILURE~~
U.S. NUCLEAR REGULATORY COMMISSION

NUDACS FULL RECORD FORMAT REPORT

AND: B006270390 SN: FICHE ADDR: 02799 290 02799 306 AVL: CF DTC: TBDV05NP: 16pp. SZ: A4 SSC: DLST:
DIS: B00571 DIN: R605.044-01 DPN: DRN: 02
TID: Reg Guide 5.44, Revision 2, "Perimeter Intrusion Alarm Sys." FRN: ADM: 23M SUP: Y
DDID: TASK: DSNP 479-4
DKN: LPDR:
CN: SAL: WRC BFT:
DIX: B00627 DKD: PR: FPK: B0062703B5E
FCEN: CF F1: SUBJ F2: F3: I&P-11 B00604
AN1: # AA: N05D
RN1: RA:

AND: B007160601 SN: FICHE ADDR: 05B63 188 05B63 189 AVL: PDR DTC: CLNT2 NP: 2pp. SZ: A4 SSC: DLST: DS07
DIS: B00711 DIN: B00711 DPN: DRN:
TID: Forwards LER printout re passive mechanical valve failures, FRN: ADM: 35MD SUP: N
in response to Dec 1979 request concerning County Contention ODID: TASK:
4a(xi). Forwards ACRS latest repts on generic issues re DKN: 05000322 LPDR: Y
County Contention 3(a)(i) & (ii). W/p encl. CN: SAL: WRC BFT:
AN1: BORDENICK, B.M. AA: MELHGB4 DIX: B00716 DKD: PR: FPK: B007160601
RN1: GOLDSMITH, M.W. RA: EC1#### FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B00711

AND: B007310252 SN: FICHE ADDR: 03057 133 03057 159 AVL: CF DTC: TBDV05NP: 108pp. SZ: A4 SSC: DLST:
DIS: B00731 DIN: R605.052 DPN: DRN: 02
TID: Reg Guide 5.52, Revision 2, "Std Format & Content of Licensee FRN: ADM: 23RS SUP: N
Physical Protection Plan for SSWM at Fixed Sites (Other Than ODID: TASK: DSS6 912-4
Nuclear Power Plants).² DKN: LPDR:
CN: SAL: WRC BFT:
AN1: # AA: N05D DIX: B00731 DKD: PR: FPK: B007310244AA
RN1: RA: FCEN: CF F1: SUP1 F2: F3: I&P-11 B0071B

AND: B111160103 SN: FICHE ADDR: 65702 242 65702 330 AVL: CF DTC: TBDV03NP: 81pp. SZ: A4 SSC: DLST:
DIS: B11031 DIN: R603.04B DPN: DRN:
TID: Reg Guide 3.4B, "Std Format & Content for SAR for ISFSI FRN: ADM: 5CS SUP: N
(Dry Storage).² ODID: TASK: DSFP 029-4
DKN: LPDR:
CN: SAL: WRC BFT:
AN1: # AA: NRED DIX: B11116 DKD: PR: FPK: B111160103#
RN1: RA: FCEN: CF F1: SUBJ F2: F3: I&P-11 B11031

AND: B10515032B SN: FICHE ADDR: 95273 162 95273 162 AVL: CF DTC: CMEM0NP: 1p. SZ: A4 SSC: DLST:
DIS: 761110 DIN: 761110 DPN: DRN:
TID: Forwards memo re passive mechanical valve failures per FRN: ADM: 5FLD SUP: N
761103 request for info on technical issues being ODID: ZECH TASK:
treated inadequately. DKN: LPDR:
CN: SAL: WRC BFT: Y
AN1: ROSETTDCIY, I.R. AA: NORSSAB DIX: B10515 DKD: PR: FPK: B10515032B
RN1: RUSCHE, B.C. RA: NORD FCEN: CF F1: SUBJ F2: F3: 761110

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NUDACS FULL RECORD FORMAT REPORT

AND: B105150368 SN: FICHE ADDR: 95263 291 95263 295 AVL: CF DTC: CMEMDNP: 1p. SZ: A4 SSC: DLST:
 DIS: 751119 DIN: 751119 DPN: DRN:
 TID: Forwards W Hodges summary re data on passive mechanical valve failures. Recommends changes in regulatory requirements for single mechanical valve failures initiating events of transients & in design of safety-related equipment. FRN: ADM: 5FLD SUP: N
 ODID: ZECH TASK:
 DKN: LPDR:
 CN: SAL: NRC BFT: Y
 AN1: FOSZTOL, Y, Z.R. AA: NDRSSRS DIX: B10515 DKD: PR: FPK: B105150368
 RN1: NOVAK, T.M. RA: NDRSSRS FCEN: CF F1: SUBJ F2: F3: 751119

AND: B105150372 SN: FICHE ADDR: 95263 292 95263 295 AVL: CF DTC: CMEMDNP: 4pp. SZ: A4 SSC: DLST:
 DIS: 751119 DIN: 751119-01 DPN: DRN:
 TID: Forwards list of passive mechanical valve failures occurring from 1969-1975. Single failure analyses of ECC sys neglect passive failures due to low probability of occurrence. FRN: ADM: 5FLD SUP: N
 ODID: ZECH TASK:
 DKN: LPDR:
 CN: SAL: NRC BFT: Y
 AN1: HODGES, W. AA: NDRSSRS DIX: B10515 DKD: PR: FPK: B105150368
 RN1: NOVAK, T.M. RA: NDRSSRS FCEN: CF F1: SUBJ F2: F3: 751119

AND: B204140485 SN: FICHE ADDR: 12666 204 12666 210 AVL: PDR DTC: TTTRANMP: 7pp. SZ: A4 SSC: DLST:
 DIS: B20412 DIN: TRAN-B20412 DPN: DRN:
 TID: Testimony of R Kirkwood re Suffolk County Contention 11 re passive mechanical valve failures. Applicant designed, erected, fabricated & tested safety-related sys valves per applicable codes & stds. Prof qualifications encl. FRN: ADM: 5BH SUP: N
 ODID: TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 AN1: KIRKWOOD, R. AA: NRRECME DIX: B20414 DKD: PR: FPK: B204140439F
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000322 F3: T B20412

AND: B204190196 SN: FICHE ADDR: 12729 209 12729 224 AVL: PDR DTC: TTTRANMP: 18pp. SZ: A4 SSC: DLST:
 DIS: B20413 DIN: TRAN-B20413-05 DPN: DRN:
 TID: Testimony of RE Fortier on Suffolk County Contention 11 re passive mechanical valve failure. FRN: ADM: 5BH SUP: N
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 AN1: FORTIER, R.E. AA: EUTLIL DIX: B20419 DKD: B20415 PR: FPK: B204190173F
 RN1: RA: FCEN: PDR F1: ADDCK F2: 05000322 F3: T B20413

AND: B304120515 SN: FICHE ADDR: 17933 121 17933 136 AVL: PDR DTC: TTPLDNP: 3pp. SZ: A4 SSC: DLST: DS03
 DIS: B30407 DIN: PLED-B30407 DPN: DRN:
 TID: Motion to reopen record on Suffolk County Contention 11 re passive mechanical valve failure. Recent NRC data indicates likelihood of undetected valve failure greater than previously anticipated. FRN: ADM: 5BH SUP: Y
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 AN1: LANPHER, L.C. AA: ELDSUCD DIX: B30412 DKD: B30411 PR: FPK: B304120515
 RN1: RA: NASLP FCEN: PDR F1: ADDCK F2: 05000322 F3: 6 B30407

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NUDOCS FULL RECORD FORMAT REPORT

AND: B304270251 SN: FICHE ADDR: 18232 031 18232 054 AVL: PDR
 DIS: B30422
 TID: Response opposing Suffolk County motion to reopen record on Suffolk County Contention 11 re passive mechanical valve failure. Repts on settlement status of Contention 11. Motion untimely & issues insignificant.
 AN1: FLANAGAN, D.O. AA: EUTLIL
 RN1: RA: NASLP

DTC: TTPLEDNF: 10pp. SZ: A4 SSC: DLST: D503
 DIN: PLED-B30422 DPN: DRN:
 FRN: ADM: 5BH SUP: N
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B30427 DKD: B30426 PR: FPK: B304270251#
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30422

AND: B304280015 SN: FICHE ADDR: 18253 128 18253 143 AVL: PDR
 DIS: B30427
 TID: Response in opposition to Suffolk County B30407 motion to reopen record on Contention 11 re passive mechanical valve failures. IE Bulletin B3-03 does not justify reopening record. Certificate of Svc encl.
 AN1: REPKA, D.A. AA: MELHGB3
 RN1: RA: NASLP

DTC: TTPLEDNF: 16pp. SZ: A4 SSC: DLST: D507
 DIN: PLED-B30427 DPN: DRN:
 FRN: ADM: 5CEL SUP: N
 ODID: IEB-B3-03 TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B30428 DKD: PR: FPK: B304280015
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30427

AND: B305260271 SN: FICHE ADDR: 18625 355 18625 363 AVL: PDR
 DIS: B30525
 TID: Suppls to B30211 proposed opinion & findings of fact on Suffolk County Contention 11 re passive mechanical valve failures. Suppls to be used only if ASLB reopens record. Certificate of Svc encl.
 AN1: REPKA, D.A. AA: MELHGB3
 RN1: RA:

DTC: TTFFCLMP: 9pp. SZ: A4 SSC: DLST: D507
 DIN: FFCL-B30525 DPN: DRN:
 FRN: ADM: 5BH SUP: N
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B30526 DKD: PR: FPK: B305260271
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30525

AND: B305270563 SN: FICHE ADDR: 18645 313 18645 320 AVL: PDR
 DIS: B30526
 TID: Order directing clarification by B30610 of Contention SC 11, passive mechanical valve failure & IE Bulletin B3-03, "Check Valve Failures in Raw Water Cooling Sys of Diesel Generators."
 AN1: BRENNER, L. AA: NASLP
 RN1: RA: EUTLIL

DTC: TTORDRNP: 8pp. SZ: A4 SSC: DLST: D502
 DIN: ORDR-B30526 DPN: DRN:
 FRN: ADM: 5JM SUP: Y
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B30527 DKD: B30526 PR: FPK: B305270563
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30526

AND: B306130414 SN: FICHE ADDR: 18823 224 18823 234 AVL: PDR
 DIS: B30610
 TID: Response to ASLB B30526 question re passive mechanical valve failures. Encl affidavit responds to question.
 AN1: REPKA, D.A. AA: MELHGB3
 RN1: RA:

DTC: TTOTHRNP: 1p. SZ: A4 SSC: DLST: D507
 DIN: OTHR-B30610 DPN: DRN:
 FRN: ADM: 5BH SUP: N
 ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: NRC BFT:
 DIX: B30613 DKD: PR: FPK: B306130414
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30610

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NUDOCS FULL RECORD FORMAT REPORT

AND: B306130418 SN: FICHE ADDR: 18823 225 18823 234 AVL: PDR
 DIS: B30610
 TID: Affidavit of R Caruso responding to ASLB B30526 question re passive mechanical valve failures. Discusses WRC resolution of generic equipment problems. Prof qualifications & Certificate of Svc encl.
 AN1: CARUSO, R. AA: NRRL
 RN1: RA:
 DTC: TTAFF NP: 10pp. SZ: A4 SSC: N DLST:
 DIN: AFF-B30610 DPN: DRN:
 FRN: ADM: SBH SUP: N
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B30613 DKD: PR: FPK: B306130414A
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30610

AND: B306220141 SN: FICHE ADDR: 18926 157 18926 165 AVL: PDR
 DIS: B30617
 TID: Affidavit of DG Bridenbaugh re info in record on Suffolk County Contention 11 re passive mechanical valve failure. Discusses deficiencies in inservice testing program. Certificate of Svc.
 AN1: BRIDENBAUGH, D. AA: ELOSUCO
 RN1: RA:
 DTC: TTAFF NP: 9pp. SZ: A4 SSC: N DLST:
 DIN: AFF-B30617 DPN: DRN:
 FRN: ADM: SBH SUP: N
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B30622 DKD: PR: FPK: B306220134A
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B30620

AND: B312010270 SN: FICHE ADDR: 21327 341 21328 012 AVL: PDR
 DIS: B31128
 TID: Rept on settlement status of issue re adequate detection of passive mechanical check valve failures. Adequate detection means exist & inservice testing program complies w/IE Bulletin B3-03 requirements.
 AN1: FLANAGAN, D.D. AA: EUTLIL
 RN1: RA:
 DTC: TTOTHRNP: 2pp. SZ: A4 SSC: DLST: DS03
 DIN: OTHR-B31128 DPN: DRN:
 FRN: ADM: SBS SUP: Y
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B31201 DKD: B31130 PR: FPK: B312010270A
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B31128

AND: B312010272 SN: FICHE ADDR: 21327 343 21328 012 AVL: PDR
 DIS: B31128
 TID: Response to ASLB B30921 order in partial initial decision re addl info on detection of passive mechanical check valve failures. JA Rigert encl unexecuted affidavit responds to order. Certificate of Svc encl.
 AN1: FLANAGAN, D.D. AA: EUTLIL
 RN1: RA: NASLP
 DTC: TTPLEDNP: 32pp. SZ: A4 SSC: DLST:
 DIN: PLED-B31128-05 DPN: DRN:
 FRN: ADM: SBS SUP: N
 ODID: TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B31201 DKD: PR: FPK: B312010270A
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B31128

AND: B312020172 SN: FICHE ADDR: 21354 107 21354 135 AVL: PDR
 DIS: B31128
 TID: Affidavit of JA Rigert re detection of passive mechanical check valve failures. Evaluation encl. Related correspondence.
 AN1: RIGERT, J.A. AA: EUTLIL
 RN1: RA:
 DTC: TTAFF NP: 29pp. SZ: A4 SSC: RN DLST: DS03
 DIN: AFF-B31128 DPN: DRN:
 FRN: ADM: SLMM SUP: N
 ODID: ISSUANCES OL TASK:
 DKN: 05000322 LPDR: Y
 CN: SAL: WRC BFT:
 DIX: B31202 DKD: B31201 PR: FPK: B312020172
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B31128

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NUDACS FULL RECORD FORMAT REPORT

AND: B401040132 SN: FICHE ADDR: 21702 069 21702 070 AVL: PDR DTC: CLNTLPNF: 2pp. SZ: A4 SSC: DLST: D507
 DIS: B31230 DIN: B31230-01 DPM: DRN:
 TID: Forwards affidavit of R Caruso in response to LILCO B31128 FRN: ADM: SBS SUP: N
 response to ASLB order contained in partial initial decision ODID: ISSUANCES DL TASK:
 re detection of passive mechanical valve failures.W/p encl. DKN: 05000322 LPDR: Y
 AN1: REFKA,D.A. AA: NELHBBJ CN: SAL: WRC BFT:
 RN1: BRENNER,L. RA: NASLP DIX: B40104 DKD: PR: FPK: B401040132
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B31230

AND: B401060370 SN: FICHE ADDR: 21741 098 21741 108 AVL: PDR DTC: TTAFF WP: 11pp. SZ: A4 SSC: N DLST: D503
 DIS: B31229 DIN: AFF-B31229 DPM: DRN:
 TID: Affidavit of D6 Bridenbaugh on Suffolk County Contention 11 FRN: ADM: SJM SUP: N
 re passive mechanical valve failure.Certificate of Svc encl. ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 AN1: BRIDENBAUGH,D. AA: EECMBJ CN: SAL: WRC BFT:
 RN1: RA: DIX: B40106 DKD: B40105 PR: FPK: B401060370
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B31229

AND: B402150187 SN: FICHE ADDR: 22245 324 22245 328 AVL: PDR DTC: TTOTHRNP: 5pp. SZ: A4 SSC: DLST: D503
 DIS: B40213 DIN: OTHR-B40213 DPM: DRN:
 TID: Joint statement on Suffolk County Contention 11 re passive FRN: ADM: SBS SUP: N
 mechanical valve failure.Certificate of Svc encl. ODID: ISSUANCES DL TASK:
 DKN: 05000322 LPDR: Y
 AN1: MILLER,M.S. AA: ELOSUCO CN: SAL: WRC BFT:
 RN1: RA: DIX: B40215 DKD: B40214 PR: FPK: B402150187
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B40213

AND: B403280350 SN: FICHE ADDR: 22787 146 22787 147 AVL: PDR DTC: TTORDRNP: 2pp. SZ: A4 SSC: DLST: D502
 DIS: B40327 DIN: ORDR-B40327 DPM: DRN:
 TID: Order approving settlement of portion of Suffolk County FRN: ADM: SBS SUP: N
 Contention 11 re passive mechanical valve failure.Served on ODID: DL TASK:
 B40327. DKN: 05000322 LPDR: Y
 AN1: BRENNER,L. AA: NASLP CN: DSB 149 SAL: WRC BFT:
 RN1: RA: ELOSUCO DIX: B40328 DKD: B40327 PR: FPK: B403280350
 FCEN: PDR F1: ADOCK F2: 05000322 F3: 6 B40327

AND: B507180530 SN: FICHE ADDR: 67971 283 67971 286 AVL: CF DTC: CMMEMONP: 4pp. SZ: A4 SSC: DLST:
 DIS: B50709 DIN: B50709 DPM: DRN:
 TID: Notifies that Generic Issues B-5B, "Passive Mechanical FRN: ADM: JRB6 SUP: Y
 Failures" & C-11, "Assessment of Failure & Reliability of ODID: TASK: DRB-5B
 Pumps & Valves," closed out.Resources re generic issues will LPDR:
 only be used to monitor aging research program. CN: SAL: WRC BFT:
 AN1: DENTON,H.R. AA: NRRD DIX: B50718 DKD: PR: FPK: B507180530
 RN1: SPEIS,T.F. RA: NRRD FCEN: CF F1: SUBJ F2: F3: RD-BGENERIC B50709

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NUDACS FULL RECORD FORMAT REPORT

AND: B6042102B9 SN: FICHE ADDR: 35666 09B 35666 102 AVL: PDR
 DIS: B60412
 TID: LER B6-003-00: on B60312 & 13, fire dampers 2FD-2123-33 & 2FD-219E-9 failed to close during testing. Caused by mechanical interference. Dampers reworked. W/B60412 ltr.
 AN1: JOHNSON, T.J. AA: EUTAPL
 RN1: RA:
 DTC: TRLER NP: 5pp. SZ: A4 SSC: DLST: IE22
 DIN: B6-003-01 DPN: DRN: 00
 FRN: ADM: JDM SJP: N
 DDID: 2CAN04B606 TASK:
 DKN: 05000368 LPDR: Y
 CN: SAL: MRC BFT:
 DIX: B60421 DKD: PR: FPK: B6042102B9
 FCEN: PDR F1: ADOCK F2: 05000368 F3: S B60412

AND: B6111702B7 SN: FICHE ADDR: 38619 130 38619 134 AVL: PDR
 DIS: B61113
 TID: LER B6-019-00: on B61014, failure to perform nuclear svc water valve stroke timing quarterly periodic test within required interval discovered. Caused by mgt deficiency due to inadequate administrative controls. W/B61113 ltr.
 AN1: DAY, J.B. AA: EUTDPC
 RN1: RA:
 DTC: TRLER NP: 5pp. SZ: A4 SSC: DLST: IE22
 DIN: B6-019-02 DPN: DRN: 00
 FRN: ADM: 16NR SUP: N
 DDID: TASK:
 DKN: 05000369 LPDR: Y
 CN: SAL: MRC BFT:
 DIX: B61117 DKD: PR: FPK: B6111702B7
 FCEN: PDR F1: ADOCK F2: 05000369 F3: S B61113

AND: B61118021B SN: FICHE ADDR: 38631 165 38631 211 AVL: PDR
 DIS: B61107
 TID: LER B6-036-00: on B60521, snubber functional tests confirmed 104 safety-related snubbers failed to meet test acceptance limits. Cause of each failure determined & listed. Corrective actions implemented from B60521-0829. W/B61107 ltr.
 AN1: SZUMSKI, D.R. AA: EUTCIL
 RN1: RA:
 DTC: TRLER NP: 47pp. SZ: A4 SSC: DLST: IE22
 DIN: B6-036-01 DPN: DRN: 00
 FRN: ADM: 5TL6 SUP: Y
 DDID: TASK:
 DKN: 05000373 LPDR: Y
 CN: SAL: MRC BFT:
 DIX: B61118 DKD: PR: FPK: B61118021B
 FCEN: PDR F1: ADOCK F2: 05000373 F3: S B61107

AND: B70226003B SN: FICHE ADDR: 39739 275 39739 278 AVL: PDR
 DIS: B70220
 TID: LER B7-001-00: on B70121, while unit at 98% power, plant shutdown initiated when emergency diesel generator svc water subsystem declared inoperable. Caused by misalignment of linkage between valves. Linkage adjusted. W/B70220 ltr.
 AN1: XENAKIS, J. AA: EUTCENY
 RN1: RA:
 DTC: TRLER NP: 4pp. SZ: A4 SSC: DLST: IE22
 DIN: B7-001 DPN: DRN: 00
 FRN: ADM: 26SC SUP: N
 DDID: TASK:
 DKN: 05000247 LPDR: Y
 CN: SAL: MRC BFT:
 DIX: B70226 DKD: PR: FPK: B70226003B
 FCEN: PDR F1: ADOCK F2: 05000247 F3: S B70220

AND: B7060400B5 SN: FICHE ADDR: AVL: PDR
 DIS: B70101
 TID: Rules & Regulations, Part 50, "Domestic Licensing of Production & Utilization Facilities."
 AN1: # AA: NRCZ
 RN1: RA:
 DTC: TFCFRNP: 140pp. SZ: A4 SSC: DLST:
 DIN: 10CFR050 DPN: DRN:
 FRN: 10CFR050 ADM: 7CER SUP: N
 DDID: TASK:
 DKN: LPDR:
 CN: SAL: MRC BFT: Y
 DIX: B80624 DKD: PR: FPK: B7060400B5
 FCEN: CF F1: SUBJ F2: F3: B70101

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NUDCCS FULL RECORD FORMAT REPORT

AND: B706040100 SN:	FICHE ADDR:	AVL: PDR	DTC: TFCFRNP: 57pp.	SZ: A4 SSC:	DLST:
DIS: B70101			DIN: 10CFR073	DPN: DRN:	
TID: Rules & Regulations, Part 73, "Physical Protection of Plants & Materials."			FRN: 10CFR073	ADM: 7CER SUP: N	
			DDID:	TASK:	
			DKN:	LPDR:	
AN1: 8	AA: NRCZ		CN:	SAL: NRC BFT: Y	
RN1:	RA:		DIX: B80624 DKD:	PR:	FPK: B706040100
			FCEN: CF F1: SUBJ F2:	F3:	B70101

AND: B70B130090 SN:	FICHE ADDR: 42149 229 42149 235	AVL: PDR	DTC: TRLER WP: 7pp.	SZ: A4 SSC:	DLST: IE22
DIS: B70B05			DIN: B7-005-05	DPN: DRN: 00	
TID: LER B7-005-00: on B70323, two 5-inch holes cut into fire wall dividing turbine bldg from auxiliary bldg. On B70706, breach of fire barrier per Tech Spec 3.17.6 recognized. Caused by mgt deficiency. Supervisors counsel: W/B70B05 ltr.			FRN:	ADM: 16WR SUP: N	
			DDID:	TASK:	
			DKN: 05000270	LPDR: Y	
AN1: WORTH, P.J.	AA: EUT, PC		CN:	SAL: NRC BFT:	
RN1:	RA:		DIX: B70B13 DKD:	PR:	FPK: B70B130090
			FCEN: PDR F1: ADDCK F2: 05000270	F3: S	B70B05

AND: B901050288 SN:	FICHE ADDR: 48028 216 48029 267	AVL: PDR	DTC: TRSCP WP: 412pp.	SZ: A4 SSC:	DLST:
DIS: B81231			DIN: DOE/RW-0199 CH	DPN: 001 DRN:	
TID: Chapter 1, "Geology," of "Site Characterization Plan, Yucca Mountain Site, Nevada R&D Area, NV."			FRN: DOE/RW-0199 CH01	ADM: 5MEN SUP: N	
			DDID: HLWR	TASK:	
			DKN:	LPDR:	
AN1: 8	AA: EUSDOE		CN:	SAL: NRC BFT:	
RN1:	RA:		DIX: B90127 DKD:	PR:	FPK: B901050262A
			FCEN: PDR F1: WASTE F2:	F3: WM-11	B81231

AND: B901050313 SN:	FICHE ADDR: 48032 287 48032 289	AVL: PDR	DTC: TRSCP WP: 3pp.	SZ: A4 SSC:	DLST:
DIS: B81231			DIN: DOE/RW-0199 CH	DPN: 006 DRN:	
TID: Chapter 6, "Conceptual Design of Repository," of "Site Characterization Plan, Yucca Mountain Site, Nevada R&D Area, NV."			FRN: DOE/RW-0199 CH06	ADM: 5MEN SUP: N	
			DDID: HLWR	TASK:	
			DKN:	LPDR:	
AN1: 8	AA: EUSDOE		CN:	SAL: NRC BFT:	
RN1:	RA:		DIX: B90127 DKD:	PR:	FPK: B901050262A
			FCEN: PDR F1: WASTE F2:	F3: WM-11	B81231

AND: B901050318 SN:	FICHE ADDR: 48032 290 48033 194	AVL: PDR	DTC: TRSCP WP: 265pp.	SZ: A4 SSC:	DLST:
DIS: B81231			DIN: DOE/RW-0199 CH	DPN: 007 DRN:	
TID: Chapter 7, "Waste Package," of "Site Characterization Plan, Yucca Mountain Site, Nevada R&D Area, NV."			FRN: DOE/RW-0199 CH07	ADM: 5MEN SUP: N	
			DDID: HLWR	TASK:	
			DKN:	LPDR:	
AN1: 8	AA: EUSDOE		CN:	SAL: NRC BFT:	
RN1:	RA:		DIX: B90127 DKD:	PR:	FPK: B901050262A
			FCEN: PDR F1: WASTE F2:	F3: WM-11	B81231

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NUDACS FULL RECORD FORMAT REPORT

AND: B901050262 SN: FICHE ADDR: 48028 001 48044 167 AVL: PDR
DIS: BB1231
TID: Vols I-VIII of "Site Characterization Plan, Yucca Mountain
Site, Nevada R&D Area, NV." Introduction to Part A included.

AN1: # AA: EUSDOE
RN1: RA:

DTC: TRSCP NP: 5,927pp. SZ: A4 SSC: DLST: WH01
DIN: DOE/RW-0199 DPN: DRN:
FRN: DOE/RW-0199 ADM: ODJK SUP: N
ODID: HLWR TASK:
DKN: LPDR:
CN: SAL: NRC BFT:
DIX: B90127 DKD: PR: FPK: B901050262
FCEN: PDR F1: WASTE F2: F3: WM-11 BB1231

AND: B901270049 SN: FICHE ADDR: 48033 322 48038 186 AVL: PDR
DIS: BB1231
TID: Chapter B.3.1, "Site Program," of "Site Characterization
Plan, Yucca Mountain Site, Nevada R&D Area, NV."

AN1: # AA: EUSDOE
RN1: RA:

DTC: TRSCP NP: 1,665pp. SZ: A4 SSC: DLST:
DIN: DOE/RW-0199 CH DPN: B.3 DRN: .1
FRN: DOE/RW-0199 CHB.3.1 ADM: ODJH SUP: N
ODID: HLWR TASK:
DKN: LPDR:
CN: SAL: NRC BFT:
DIX: B90127 DKD: PR: FPK: B901050262A
FCEN: PDR F1: WASTE F2: F3: WM-11 BB1231

AND: B901270058 SN: FICHE ADDR: 48038 187 48039 152 AVL: PDR
DIS: BB1231
TID: Chapter B.3.2, "Repository Program," of "Site
Characterization Plan, Yucca Mountain Site, Nevada R&D Area,
NV."

AN1: # AA: EUSDOE
RN1: RA:

DTC: TRSCP NP: 326pp. SZ: A4 SSC: DLST:
DIN: DOE/RW-0199 CH DPN: B.3 DRN: .2
FRN: DOE/RW-0199 CHB.3.2 ADM: ODJH SUP: N
ODID: HLWR TASK:
DKN: LPDR:
CN: SAL: NRC BFT:
DIX: B90127 DKD: PR: FPK: B901050262A
FCEN: PDR F1: WASTE F2: F3: WM-11 BB1231

AND: B901270063 SN: FICHE ADDR: 48040 034 48042 192 AVL: PDR
DIS: BB1231
TID: Chapter B.3.5, "Performance Assessment Program," of "Site
Characterization Plan, Yucca Mountain Site, Nevada R&D Area,
NV."

AN1: # AA: EUSDOE
RN1: RA:

DTC: TRSCP NP: 879pp. SZ: A4 SSC: DLST:
DIN: DOE/RW-0199 CH DPN: B.3 DRN: .5
FRN: DOE/RW-0199 CHB.3.5 ADM: ODJH SUP: N
ODID: HLWR TASK:
DKN: LPDR:
CN: SAL: NRC BFT:
DIX: B90127 DKD: PR: FPK: B901050262A
FCEN: PDR F1: WASTE F2: F3: WM-11 BB1231

AND: B901270089 SN: FICHE ADDR: 48042 193 48043 168 AVL: PDR
DIS: BB1231
TID: Chapter B.4, "Planned Site Preparation Activities," of "Site
Characterization Plan, Yucca Mountain R&D Area, NV."

AN1: # AA: EUSDOE
RN1: RA:

DTC: TRSCP NP: 336pp. SZ: A4 SSC: DLST:
DIN: DOE/RW-0199 CH DPN: B.4 DRN:
FRN: DOE/RW-0199 CHB.4 ADM: ODJH SUP: N
ODID: HLWR TASK:
DKN: LPDR:
CN: SAL: NRC BFT:
DIX: B90127 DKD: PR: FPK: B901050262A
FCEN: PDR F1: WASTE F2: F3: WM-11 BB1231

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MUDDCS FULL RECORD FORMAT REPORT

AND: B901270100	SN:	FICHE ADDR: 48043 339 48044 167	AVL: PDR	DTC: TRSCP NP: 189pp.	SZ: A4	BSC:	DLST:
DIS: BB1231				DIN: DOE/RW-0199	CH	DPM: 8.7	DRN:
TID: Chapter 8.7, "Decontamination & Decommissioning," of "Site				FRM: DOE/RW-0199	CH8.7	ADM: OQJH	SUP: N
Characterization Plan, Yucca Mountain Site, Nevada R&D Area,				ODID: HLWF	TASK:		
NV." Chapter 8 refs & glossary & acronyms included.				DKN:		LPDR:	
AN1: 8		AA: EUSDOE		CN:		SAL: WRC	BFT:
RN1:		RA:		DIX: B90127	DKD:	PR:	FPK: B901050262A
				FCEN: PDR	F1: WASTE	F2:	F3: WM-11
							BB1231

NOTES:

AND - ACCESSION NUMBER
DIS - DATE ISSUED
AN1 - AUTHOR
NP - NUMBER OF PAGES