

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- 5) Channel "A" battery 20612:
338 amperes for 60 seconds
112 amperes for the remainder of the 4 hour test.
 - 6) Channel "B" battery 20622:
346 amperes for 60 seconds
121 amperes for the remainder of the 4 hour test.
 - 7) Channel "C" battery 20632:
326 amperes for 60 seconds
107 amperes for the remainder of the 4 hour test.
 - 8) Channel "D" battery 20642:
326 amperes for 60 seconds
107 amperes for the remainder of the 4 hour test.
 - 9) Channel "H" battery 00595:
~~253~~ 286 amperes for the first 60 seconds
~~95 amperes for the next 238 minutes~~
75 155 amperes for the ~~last minute~~ remainder of the 4 hour test.
- c) For 250-volt batteries:
- 1) Battery bank 1D650:
1120 amperes for 60.0 seconds
599 amperes for 29.0 minutes
99 amperes for 120.0 minutes
27 amperes for 90.0 minutes
 - 2) Battery bank 1D660:
887 amperes for 60.0 seconds
396 amperes for 9.0 minutes
366 amperes for 20.0 minutes
325 amperes for 90.0 minutes
187 amperes for 119.0 minutes
229 amperes for 60.0 seconds
- e. At least once per 60 months by verifying that the battery capacity is at least 80% of the manufacturer's rating when subjected to a performance discharge test. Once per 60 month interval, this performance discharge test may be performed in lieu of the battery service test.
- f. Annual performance discharge tests of battery capacity shall be given to any battery that shows signs of degradation or has reached 85% of the service life expected for the application. Degradation is indicated when the battery capacity drops more than 10% of rated capacity from its average on previous performance tests, or is below 90% of the manufacturer's rating.

TABLE 3.8.4.2.1-1

MOTOR OPERATED VALVES THERMAL OVERLOAD PROTECTION - CONTINUOUS

<u>VALVE NUMBER</u>	<u>SYSTEM(S) AFFECTED</u>
HV-01222A	RHRSW
HV-01222B	RHRSW
HV-01224A1	RHRSW
HV-01224B1	RHRSW
HV-01224A2	RHRSW
HV-01224B2	RHRSW
*HV-01112A	ESW
*HV-01112B	ESW
*HV-01122A	ESW
*HV-01122B	ESW
*HV-01112C	ESW
*HV-01112D	ESW
*HV-01122C	ESW
*HV-01122D	ESW
*HV-01110A	ESW
*HV-01110B	ESW
*HV-01120A	ESW
*HV-01120B	ESW
*HV-01110C	ESW
*HV-01110D	ESW
*HV-01120C	ESW
*HV-01120D	ESW
*HV-01110E	ESW
*HV-01120E	ESW
*HV-01112E	ESW
*HV-01122E	ESW
HV-08693A	ESW
HV-08693B	ESW
HV-01201A1	RHRSW
HV-01201A2	RHRSW
HV-01201B1	RHRSW
HV-01201B2	RHRSW
HV-11210A	RHRSW
HV-11210B	RHRSW
HV-11215A	RHRSW
HV-11215B	RHRSW
HV-15766	Cont. Isol.
HV-15768	Cont. Isol.
HV-12603	Cont. Isol.
HV-11345	Cont. Isol.
HV-11313	Cont. Isol.
HV-11346	Cont. Isoi.
HV-11314	Cont. Isol.
HV-E11-1F009	RHR

~~*Continuous bypass not required when corresponding diesel generator is not aligned to the Class 1E distribution system.~~

TABLE 3.8.4.2.2-1

MOTOR OPERATED VALVES THERMAL OVERLOAD PROTECTION - AUTOMATIC

<u>VALVE NUMBER</u>	<u>SYSTEM(S) AFFECTED</u>
HV-01110E	ESW
HV-01120E	ESW
<i>HV-01112E</i>	<i>ESW</i>
<i>HV-01122E</i>	<i>ESW</i>

ELECTRICAL POWER SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- 7) Channel "C" battery 2D632: 326 amperes for 60 seconds
107 amperes for the remainder of the 4 hour test
- 8) Channel "D" battery 2D642: 326 amperes for 60 seconds
107 amperes for the remainder of the 4 hour test
- 9) Channel "H" battery 0D595: ~~286 amperes for the first
60 seconds, 95 amperes for the next 238 minutes,
155 amperes for the last minute of the 4 hour test.~~

c) For 250-volt batteries:

- 1) Battery bank 2D650:
458 amperes for 60 seconds
251 amperes for 239 minutes
- 2) Battery bank 2D660:
1119 amperes for 60 seconds
244 amperes for 239 minutes

*253 amperes for the first
60 seconds, 75 amperes for
the remainder of the 4 hour
test.*

- e. At least once per 60 months by verifying that the battery capacity is at least 80% of the manufacturer's rating when subjected to a performance discharge test. Once per 60-month interval, this performance discharge test may be performed in lieu of the battery service test.
- f. Annual performance discharge tests of battery capacity shall be given to any battery that shows signs of degradation or has reached 85% of the service life expected for the application. Degradation is indicated when the battery capacity drops more than 10% of rated capacity from its average on previous performance tests, or is below 90% of the manufacturer's rating.

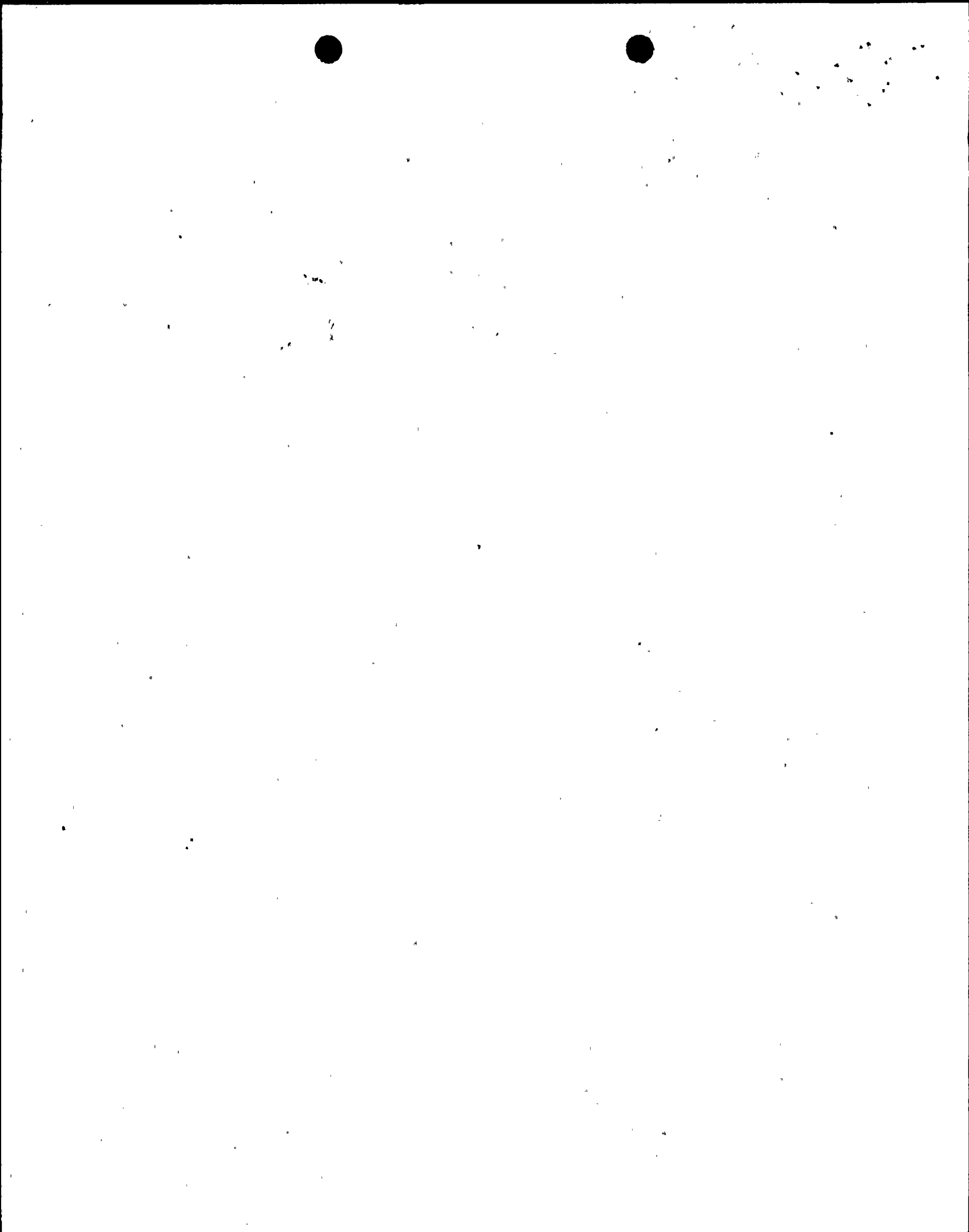


TABLE 3.8.4.2.1-1

MOTOR-OPERATED VALVES THERMAL OVERLOAD PROTECTION CONTINUOUS

<u>VALVE NUMBER</u>	<u>SYSTEM(S) AFFECTED</u>
HV-01222A	RHRSW
HV-01222B	RHRSW
HV-01224A1	RHRSW
HV-01224B1	RHRSW
HV-01224A2	RHRSW
HV-01224B2	RHRSW
*HV-01112A	ESW
*HV-01112B	ESW
*HV-01122A	ESW
*HV-01122B	ESW
*HV-01112C	ESW
*HV-01112D	ESW
*HV-01122C	ESW
*HV-01122D	ESW
*HV-01110A	ESW
*HV-01110B	ESW
*HV-01120A	ESW
*HV-01120B	ESW
*HV-01110C	ESW
*HV-01110D	ESW
*HV-01120C	ESW
*HV-01120D	ESW
*HV-01110E	ESW
*HV-01120E	ESW
*HV-01112E	ESW
*HV-01122E	ESW
HV-21144A	ESW
HV-21144B	ESW
HV-08693A	ESW
HV-08693B	ESW
HV-01201A1	RHRSW
HV-01201A2	RHRSW
HV-01201B1	RHRSW
HV-01201B2	RHRSW
HV-21210A	RHRSW
HV-21210B	RHRSW
HV-21215A	RHRSW
HV-21215B	RHRSW
HV-25766	Cont. Isol.
HV-25768	Cont. Isol.
HV-22603	Cont. Isol.

~~*Continuous bypass not required when corresponding diesel generator is not aligned to the Class 1E distribution system.~~



TABLE 3.8.4.2.2-1

MOTOR OPERATED VALVES THERMAL OVERLOAD PROTECTION - AUTOMATIC

<u>Valve Number</u>	<u>System(s) Affected</u>
HV-01110E	ESW
HV-01120E	ESW
<i>HV-01112E</i>	<i>ESW</i>
<i>HV-01122E</i>	<i>ESW</i>