

USA Ground Operations CIL Sheet**Critical Item:** Valve, Butterfly**Criticality Category:** 1S**NASA Part No:** None**Total Quantity:** 1**Mfg/Part No:** McCanna Inc. / 6 L300-CS-R-S6/R258**System:** Facility Water System

Find No.	Qty	Area	PMN	Baseline	Drawing / Sheet
A114254 (V-34)	1	Pad-B	K60-0044-01	007.00	79K40019 / 12

Function:

Controls firex deluge water supply to FSS 180 foot level firex spray nozzles.

Failure Mode No. Failure Mode	Failure Cause Failure Effect	Detection Method Time to Effect	Crit Cat
09SY03B-002.019 Fail Closed	Corrosion, contamination, or failure of internal piece part. Loss of firex deluge water supply to FSS 180 foot level firex spray nozzles. Possible loss of life and/or vehicle during a hazardous condition.	Valve position switch Immediate	1S

ACCEPTANCE RATIONALE**Design:**

- Rated working pressure 740 psig.
- Actual working pressure is 240 psig.
- Rated temperature (degrees Fahrenheit) -20 to 100.
- Actual temperature is ambient pad temperature.

Test:

- OMI M2067 requires cycling of FSS/RSS water valves to verify proper operation.
- OMRSD, File VI requires verification of the operational function of the water valve in all modes of operation semiannually and at replacement.

Inspection:

- OMI 6045 requires the inspection of the firex valves for signs of corrosion and/or contamination.

Failure History:

- Current data on test failures, unexplained anomalies, and other failures experienced during ground processing activities can be found in the PRACA database. The PRACA database was researched and no failure data was found on this component in the critical failure mode.

- The GIDEP failure data interchange was researched and no failure data was found on this component in the critical failure mode.

Operational Use:

Correcting Action	Timeframe
There is no action which can be taken to mitigate the failure effect.	Since no correcting action is available, timeframe does not apply.