

Trolley Assembly 79K17377, Sheet 3 (Continued)

JAN 17 1991

Test:

- o OMRSD File VI requires an annual test of the entire Slidewire Emergency Egress System including basket release and wire traverse with an 880 lb load.
- o Over 100 test runs have been performed with varying loads with no failure of the critical item in the failure mode.
- o On July 8, 1988, successful manned demonstration runs (TPS SS 238-127) were made on basket 6 with one man aboard and on basket 5 with a three man load.

Inspection:

- o OMRSD, File VI, requires inspections quarterly and after each launch to verify that bottom and top rollers operate smoothly.
- o OMRSD 79K11610 requires inspection quarterly and after each launch to verify that:
 - All parts are clean and free from corrosion.
 - Bearings are snug and flush with bearing surface.
 - Shaft passes freely into the bearing.
 - Roller has no cracks or deformities.
 - Meets measurement specifications for wear, sideplay, and clearances.
 - Roller/bearing assembly and shafts are properly lubricated.

Failure History:

- o The PRACA Data Base was queried and there were no problem reports found for this component in this failure mode.
- o The GIOEP failure data interchange system has been researched and no data on this component was found.

Operational Use:

The Slidewire Emergency Egress System is the primary emergency escape route from the 195-foot level at Pads A and B of the Fixed Service Structure. If one basket assembly should fail prior to basket departure, the other six baskets, the elevator, and the stairway are possible backup escape routes. If the trolley bearing should seize (fail) after departure there would be no usable warning time and no alternate procedure to descend from the hung up basket.

SAA09SYA6-001
REV. 0
B/L: 165.00
SYS: EMERGENCY
SLIDEWIRE
EGRESS SYS.
JUN 27 1989

Trolley Assembly 79K17377, Sheet 3 (Continued)

Operational Use:

The Slidewire Emergency Egress System is the primary emergency escape route from the 195-foot level at Pads A and B of the Fixed Service Structure. The trolley bearings are checked after each launch to make certain the top and bottom rollers operate smoothly. If the system should fail prior to basket departure, the elevator and the stairway are possible backup escape routes. If the trolley bearing should seize (fail) after departure there would be no usable warning time and no alternate procedure to descend from the hung up basket.