

National Aeronautics and
Space Administration



Lyndon B. Johnson Space Center
Houston, Texas
77058

Back: —

Reply to Attn of: SP-90-148

TO: SD/William Thornton, M.D.

*Response to Dr. Bill's
memo — A kinda nothing!
SEP 7 1990*

FROM: SP/Fred McAllister

*To =
Bill Thornton*

SUBJECT: Space Shuttle Treadmill

*Does this give the necessary
visibility into the T.M.?
What are you going to do to
respond to the last item?
Jim B*

Reference is made to SD/90 letter, dated August 16, 1990.

The identified concerns pertinent to the Shuttle treadmill have been addressed resulting with the following actions and recommendations. These proposed resolutions were discussed during the meeting of August 28, 1990.

a. Immediate actions do include the treadmill, serial number 1005, being removed from flight status for inspections and the trainer treadmill being scheduled for rework to operational condition.

b. The shoulder harnesses are to be tested by SD, using the trainer treadmill, to determine if the adjustable straps, padding, and fabric covered bungees require revision. The bungees, covered by a loose fitting flame resistant material, are thought to be jamming the pulleys causing transient loads to the runner.

c. An elevation jig will be fabricated, beginning October 1, 1990, to be used with the trainer treadmill to effect a more realistic exercise.

The treadmill pre-installation acceptance procedure, P528/PIA-13003, is attached for SD's review and annotation. Acceptable limits are requested to be included in the recommendations. The revised procedure is to be returned to SP/ J. B. Thomas.

Bill, I can be contacted at extension 33644.

Fred McAllister
Fred McAllister

Enclosure

cc:

CA/D. Puddy
CB/D. Brandenstein
V. Brand
G. Gardner
DF42/R. Farris
NB5/R. Steele
ND24/R. Anderson
SA/J. Barnett

SD/S. Pool
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SD5/M. Greenisen, Ph.D.
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VP/C. McCullough
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SP/FMcAllister:lg:9/6/90:33644