

CC: S. W. Ellis
S. H. Markette
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July 28, 1982

EXHIBIT
DUP-1679

TO: O. N. DANIELSON
FROM: C. M. BECK

ROLLAWAY PORTABLE DUST COLLECTOR

The intake air velocity of the Tepco Model 21 Rollaway dust collector in Central Shops was checked July 28, 1982. Ten measurements were taken at the face of the cone using the Alnor Type 8500 Thermo-anemometer. The table below compares measured results with manufacturer specifications:

	<u>Spec</u>	<u>Measured</u>
Air Volume	686 cfm	220.18 cfm
Area of Cone	-	.687 sq ft.
Area of Duct	-	.196 sq. ft.
Duct Velocity	3500 fpm	1123.4 fpm
Cone Face Velocity	-	320.5 fpm
Capture Velocity (1' - 1 1/2')	2000 fpm	-

This dust collector is well below specifications and requires immediate maintenance. Recommended procedures include checking belt tightness (for 1/2" play), input voltage, and the possibility of a clogged arm. Please notify me after this has been done and I will check it again.

CMB:sgd

"SAFETY IS MY RESPONSIBILITY"

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