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PLAINTIFF'S
EXHIBIT
DUP-1682

January 19, 1983

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

ROLLAWAY PORTABLE DUST COLLECTOR: BIENNIAL CHECK

The air intake velocity of the Tepco Model 21 Rollaway dust collector in Central Shops was checked on January 17. Ten measurements were taken at the face of the cone using the Alnor Thermo Anemometer, Type 8500. The table below compares measured results with manufacturer specifications:

	<u>Spec</u>	<u>Measured</u>
Air Volume	686 cfm	663.39 cfm
Area of Cone	-	.687 sq. ft.
Area of Duct	-	.196 sq. ft.
Duct Velocity	3500 fpm	3399.95 fpm
Cone Face Velocity	-	970 fpm

The collector is performing very close to manufacturer specifications.

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