

PLAINTIFF'S  
EXHIBIT  
DUP-1684

June 19, 1984

To : S.W. Ellis Jr.

From : David Horecka

ROLLAWAY PORTABLE DUST COLLECTOR: BIENNIAL CHECK

The air intake velocity of the Tepco Model 21 Rollaway dust collector in Central Shops was checked on June 19. Ten measurements were taken at the face of the cone using the Alnor Thermo Anemometer, Type 8500. The average face velocity reading was 930 fpm. The air volume was \*638.91 cfm which compares to the manufacturer specifications of 686 cfm. The collector is performing very close to manufacturer specifications.

The average cone face velocity has decreased slightly since previous monitoring took place. Although the present average is sufficient for equipment use, future monitoring will be done to ensure the stability of the equipment.

\* Based upon the following: Area of Cone = .687 ft<sup>2</sup>  
cfm = AV (at face)

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