

TABLE 2
COMPARISON OF 24-HOUR AVERAGE PM_{2.5} CONCENTRATIONS
BY SAMPLING DEVICE (ug/m³)

LOCATION / DATE	DUST-TRAK® (µg/m³)	MEM® (µg/m³)
Main Lobby 4/1/2002	16	3.47
Main Lobby 4/8/2002	23	3.47
Main Lobby 4/15/2002	42	6.94
Main Lobby 4/22/2002	11	4.17
Main Lobby 4/29/2002	11	11.8

DISCUSSION

The concentrations on April 1- 22 in the main lobby as measured by the Dust Trak® were higher than those measured with the MEM®. Levels as recorded by the Dust Trak® ranged from 2.6 to 6.6x's higher than the gravimetric sample. The Dust Trak® detects volatile aerosol particles that are not recovered by the gravimetric method. However on April 29, 2002, the gravimetric sample results were only 0.8 µg/m³ higher than the Dust Trak®. The Dust Trak® data summaries and graphs are provided in Attachment 1, the laboratory results of the MEM® samples are provided in Attachment 2.

These measurements confirm that the Dust Trak® reads different than the gravimetric sampler (MEM®). However, data collected to date do not indicate that there is a consistent factor that may be used to correlate the results of these two methods.

CONCLUSION

Sample results obtained on April 1, 8, 22 and 29, by both methods were *below* both the EPA NPAAQS for PM_{2.5} of 65 ug/m³ (24-hour average) and the EPA recommended level of 40 ug/m³. On April 15, the Dust Trak® result was slightly higher than the EPA recommended level of 40 ug/m³.

Mr. Bernard P. Orlan
Respirable Particulate Assessment
P.S. 150M

July 3, 2002

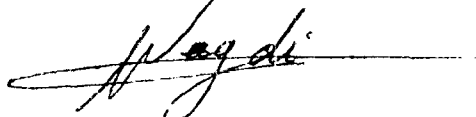
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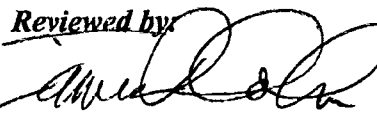
The Dust Trak[®] can provide instantaneous readings that may be used to demonstrate trends in PM_{2.5} concentrations but it should not be used to determine compliance with EPA standards. The results are subject to misinterpretation.

It is our pleasure to provide these indoor air consultative services to the New York City Board of Education. If you have any questions about this report, please call (212) 353-8280, extension 298

Sincerely,
ATC ASSOCIATES INC.



Wagdi Abdelshahid
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Attachments