From:	Matthew Lakin
To:	Jared Blumenfeld
Cc:	Teddy Ryerson; Deborah Jordan; Kerry Drake; Katherine Hoag; MichaelA Flagg; Niloufar Glosson
Bcc:	Meredith Kurpius
Subject:	Fw: Beijing publishes average PM2.5 levels for the first time|Environment|News|WantChinaTimes.com
Date:	11/09/2012 11:54 AM

Jared,

I've asked my staff to help pull valid Beijing data for comparison. Obviously we have a solid understanding of the Bakersfield numbers, but the Beijing data is more limited. You are probably aware of this, but we have a lot of data from the U.S.-operated monitors that have been reporting via Twitter:

https://twitter.com/BeijingAir

That monitoring uses a "Federal Equivalent Method" and is most easily compared to Bakersfield. The concentrations I've seen (anecdotal) are roughly double some of the peak Bakersfield concentrations, but a more thorough analysis will probably give us a different number.

I'll get you something to work with in a couple of hours.
Thanks,
Matt

p.s. The article must be incorrect in it's reporting of Beijing PM2.5 values. It's reporting everything in milligrams per cubic meter, when I think they mean micrograms per cubic meter. For example, the sentence

qf+SABkACAAAAIYAAACGAAEAAAAAAAAAAAAAAAAAAAAAAAAAqwBcAAAACgBodHRwOi8vd3d3Lndh
bnRjaGluYXRpbWVzLmNvbS9uZXdzLXN1YmNsYXNzLWNudC5hc3B4P2lkPTIwMTIwMjA0MDAwMDI3
JmNpZD0xMTA1Jk1haW5DYXRJRD0xMWFzcG5ldEZvcm0= hf8IAAEAAAo= qgI= "As of 8am on Feb. 2, the daily average PM2.5 value was 16 milligrams per cubic meter, lower than the World Health Organization guideline value qf8MAB0ACAAAAAAA
hf8IAAEAAAo= qgI= "

would only be correct if they meant micrograms per cubic meter, wince the World Health Organization's Air Quality Guidelines are actually lower than EPA's (although not directly comparable statistically with EPA's 24-hour, which is 35

ug/m3, but the 98th percentile of all values averaged over three years).

WHO AQG for $\mathbf{PM_{2.5}}$

10 $\mu g/m^3$ annual mean

25 $\mu g/m^3$ 24-hour mean

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----- Forwarded by Matthew Lakin/R9/USEPA/US on 11/09/2012 08:35 AM -----

From: Jared Blumenfeld <jaredblumenfeld@comcast.net>
To: Matthew Lakin/R9/USEPA/US@EPA,
Cc: Teddy Ryerson/R9/USEPA/US@EPA
Date: 11/08/2012 09:40 PM
Subject: Beijing publishes average PM2.5 levels for the first time|Environment|News|WantChinaTimes.com

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http://www.wantchinatimes.com/news-subclass-cnt.aspx?id=20120204000027&cid=1105&MainCatID=11

Matt

Can you you help me write a sentence comparing Bakersfield pm2.5 with Beijing's? Thanks, Jared

Sent from my iPad