Message

From: Paz, Armando, NMENV [Armando.Paz@state.nm.us]
Sent: 9/13/2019 8:28:41 PM
To: Crawford, Dorothy [Crawford.Dorothy@epa.gov]
CC: Madden, Joshua [madden.joshua@epa.gov]; Verhalen, Frances [verhalen.frances@epa.gov]; Singleton,Kerwin, NMENV [Kerwin.Singleton@state.nm.us]
Subject: RE: 2016 PM10 Exceedances Luna and Dona Ana Counties - Exceptional Event Demonstration, draft public notice

Hello Dorothy,

I was running your questions before our QA team to ensure the information is accurate. Based on their response the 'Wind Max' and 'Wind Gust' are the same. You are correct with your assessment with the "Peak Wind Gust", respectively, as they are labeled as the 'Wind Max' and the 'Wind Gust' in the EED.
You are also correct with your assessment for the "Wind Speed Scalar", the incremental data points are averaged for 5 minute wind speeds to then be averaged for hourly wind speeds.
To be honest I didn't notice the two different terms in the EED as I treated them as one in the same, other than the "Max Gust" in the first table in the Conceptual Model which is the highest one hour peak "Wind Gust" or "Wind Max" within the 24 hr. period.

Please let me know if you have any questions/concern.

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From: Crawford, Dorothy <Crawford.Dorothy@epa.gov>
Sent: Wednesday, September 11, 2019 2:33 PM
To: Paz, Armando, NMENV <Armando.Paz@state.nm.us>
Cc: Madden, Joshua <madden.joshua@epa.gov>; Verhalen, Frances <verhalen.frances@epa.gov>
Subject: [EXT] RE: 2016 PM10 Exceedances Luna and Dona Ana Counties - Exceptional Event Demonstration, draft public notice

In the draft demonstrations, there are figures for each exceedance day where you graph hourly PM10 and Wind Speed over the 24 hour period. The legend for these graphs includes 'Wind Max'. Can you tell me where these data points come from?

Are they equivalent to the AQS parameter 61105 'Peak Wind Gust'? The maximum gust measured at the station for the hour?

Are they incremental data points that go into hourly average of AQS parameter 61101 'Wind Speed Scalar'? If yes, what is the time frame for the increment (e.g., 5 minutes, 1 minute)?

In the draft demonstrations, there are tables for each exceedance day that provide hourly 'PM10', 'Wind Speed' and 'Wind Gust' for select set of monitors. The hours reflect the duration of the wind event. Is the 'Wind Gust' data the same as 'Wind Max'?

Thanks

Dorothy Crawford
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(214) 665-2771

From: Crawford, Dorothy
Sent: Wednesday, September 11, 2019 12:55 PM
To: Paz, Armando, NMENV <Armando.Paz@state.nm.us>
Cc: Madden, Joshua <madden.joshua@epa.gov>; Verhalen, Frances <verhalen.frances@epa.gov>
Subject: 2016 PM10 Exceedances Luna and Dona Ana Counties - Exceptional Event Demonstration, draft public notice

Armando, Some additional potential typos found in the subject draft demo:

Table 1-1, May 5 vs May 6

Last paragraph, page 37. Should 'within New Mexico and Mexico' be 'within New Mexico'? Winds are from NW. But I see the hysplit results has some scenarios passing over Mexico

Figure 8-4, no Deming data so Luna county reference in title seems inaccurate

Table 9-1, Anthony exceedance measured on POC 2 rather than 1

Similar to comment above. Last paragraph, page 109. Should 'within New Mexico and Mexico' be 'within New Mexico'?

Page 126 need space between 'exceeding' and '9 m/s'

Page 157 stated Figure 13-13 is for 1400-2100 hours but graphic on Figure says 0-1500

Similar page 158 says Figure 13-14 is 0-1500 but graphic says 500-700

This pattern follows into Figures 13-15, 16, 17, and 18

As we discussed during the recent conference call, I would appreciate if you can update the draft with the current status of city of Anthony long term effort to pave streets. It was a general 1991 SIP goal. Any idea what has been accomplished since 1991?

Also, it would be good to add information on which departments or groups that implement or enforce the various dust ordinances (city of Deming, city of Las Cruces, Luna County, Dona Ana County). Thanks

Dorothy Crawford
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