From:	Hoffman, Kathy
To:	Nam, Ed; Cain, Alexis; Siegel, Kathryn; Sieffert, Margaret; Nguyen, Phuong; King, Steven; Mattison, Kevin; Ogulei, David
Subject:	Technical Questions
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Attachments:	ATT00001.txt

I'm following up on some of the technical questions we asked a few weeks ago about EPA's air monitoring study near the facility. We may have discussed some of these questions on our last phone call, but it would be helpful for our technical consultants to have this information in writing. This is the information that we would like to obtain about the monitoring study:

1. Please provide a description of the sampling methods used including:
    a. Types of collection devices
    b. Method of calibration
    c. QC samples included
    d. Verification or certification steps that equipment had been purged and cleaned
    e. Materials used in sampling train
    f. Any SOPs or other descriptions of the field methods employed
    g. Chain of custody procedures employed
    h. Sample security/integrity controls for samples collected over extended periods
    i. Traffic counts during sampling periods for locations near high-use roads, particularly differences between vehicle usage between day and night sampling periods for locations samples for extended periods.

2. Please describe the study design and sampling station location selection criteria with inclusion/exclusion factors.

3. Please provide information from background monitoring stations including locations and proximity to roadways, railways and industrial combustion sources.

4. Please provide monitoring results from background locations included in the study design or results from ambient air monitoring stations in the general area used to establish background conditions.

5. Please identify the laboratory and specific analytical methods employed for analyses including:
    a. Method number or citation and description of custom method if used
    b. Method detection limits
    c. Limits of quantification
    d. Results for laboratory and field QC samples
    e. Any modifications or deviations from SOPs or established methods.

6. Please provide meteorological information for each date and time of sampling including:
    a. Wind speed and direction for the general area at 10 m above ground level and any available upper level wind information
    b. Wind speed and direction near ground level (breathing zone) at each sampling station
    c. Relative humidity
    d. Temperature
    e. Amount and type of precipitation during sample collection.

The information in #1, #5, and #6 would be particularly helpful in allowing us to offer useful insights on EPA's study.

In addition, we were wondering if your lab is certified in this EO testing at this level. Do you know of other labs that can perform this type of EO testing?

Please let me know if you have any questions, and please let me know when you think you would be able to provide the requested information.

Regards,
Kathy

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