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**Subject:** RE: Sampling plan for Stephen Foster neighborhood dusty study-1  
**Date:** Wednesday, March 28, 2012 6:50:17 PM

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Scott-

Thank you for the opportunity to participate in the discussion and feedback. DEP agrees with Randy's concerns expressed below and concurs with his recommendations. It is important that dust samples are collected consistent with EPA protocol and that the resulting concentrations are representative of known areas within each house. This will support a consistent evaluation of risk that is not hampered by unknown variables or contributions affecting the data.

*Kelsey*

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**Subject:** RE: Sampling plan for Stephen Foster neighborhood dusty study-1

Scott:

I agree with the changes suggested by Pat, John, and Bob except for the automatic collection of dust from private vacuum cleaners at all houses. I can only support collection/analysis of dust from vacuum cleaners in houses where there is enough dust for EPA to vacuum up their own sample, analyze using GC/MS (EPA method 8290), and for FL DOH/ATSDR to make a health risk determination. I'm concerned that if the only sample we collect from a house is from their vacuum cleaner, the resident will still expect an assessment of the health risk.

Workgroup members understand the limitations on assessing the health threat from private vacuum cleaner dust. We don't know where the dust was collected (behind furniture, tops of bookshelves, from cars, etc) and we don't know the exact area from which to calculate dust loading. Although workgroup members understand private vacuum cleaner dust is not appropriate for assessing the public health

threat, individual home owners and the public may not. The workgroup did not discuss collection/analysis of dust from private vacuum cleaners and did not include it in their report.

I support EPA efforts to collect as much dust as possible from areas people frequent: asking residents not to vacuum prior to EPA's visit, collection of dust from the carpet, rugs, along the edges/corners of rooms, etc. If not enough dust is available for GC/MS analysis, I recommend we not collect samples from private vacuum cleaners in lieu of the agreed on sampling plan.

Randy

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**From:** bob palmer [<mailto:rpa711@yahoo.com>]  
**Sent:** Wednesday, March 28, 2012 9:56 AM  
**To:** Scott Miller; [pcline@seainc.biz](mailto:pcline@seainc.biz); [campagna.philip@epamail.epa.gov](mailto:campagna.philip@epamail.epa.gov); John Mousa  
**Cc:** Merchant, E Randy  
**Subject:** Re: Sampling plan for Stephen Foster neighborhood dusty study-1

Scott et al:

I won't add more edits to an already heavily edited document, but let me add a couple of thoughts for your consideration:

(1) Every effort should be made to maximize sample (dust) size. I would suggest that homeowners be contacted well in advance and urged NOT to vacuum anything for 1-2 weeks before the samples are collected. Another way to maximize sample size would be to remove large contaminants from the samples but not to sieve them too finely.

(2) I agree with the suggestion that samples should be collected from all 20 SF properties. However, I wouldn't necessarily analyze the 15 heaviest samples. If all 20 samples have adequate weight, for example, we should go back to our original selection of the 15 most appropriate homes (i.e. excluding most of the north-most homes).

Bob Palmer

--- On Tue, 3/27/12, John Mousa <[jjm@alachuacounty.us](mailto:jjm@alachuacounty.us)> wrote:

From: John Mousa <[jjm@alachuacounty.us](mailto:jjm@alachuacounty.us)>  
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Date: Tuesday, March 27, 2012, 5:15 PM

Here are my recommendations. I am recommending that all 20 SF homes be sampled by EPA protocol and then 15 samples are selected for analysis based on the ones that provide sufficient sample size to do the CALUS and the GC/MS method. This will provide some additional samples for backup and for future analysis if needed.

John

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