

**From:** [LAMADRID David \\* DEQ](#)  
**To:** [K&S Environmental](#); [Chris Meier](#); [Tim Meier](#)  
**Subject:** RE: Father and Son VI Proposal  
**Date:** Wednesday, April 24, 2024 2:52:00 PM

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Thank you for the clarifications. Based on these considerations, your proposal (work plan) for indoor vapor intrusion assessment is approved.

David Lamadrid  
(503) 501-0669

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**From:** K&S Environmental <[ksenvironmental@yahoo.com](mailto:ksenvironmental@yahoo.com)>  
**Sent:** Wednesday, April 24, 2024 10:39 AM  
**To:** Chris Meier <[chris.meier@herzogmeier.com](mailto:chris.meier@herzogmeier.com)>; Tim Meier <[tmeier@prefcap.com](mailto:tmeier@prefcap.com)>; LAMADRID David \* DEQ <[david.lamadrid@deq.oregon.gov](mailto:david.lamadrid@deq.oregon.gov)>  
**Subject:** Re: Father and Son VI Proposal

David, The building does not have a HVAC system. It is heated with electric cadet wall heaters. If a wall heater is located in the room that the sampling is being done, that wall heater will be turned off during the sampling period. Since there is no HVAC system, K&S is proposing to document the barometric pressures using hourly measurements from the nearest weather station. Let me know if those barometric pressure measurements are acceptable. Documentation will include, but not limited to, sample dates, collection time, and pre-and post- sampling flow rates for the vacuum pump used for the TPH analyses. We will not be using summa canisters for any of the sampling. We will be using passive samplers for VOCs and sorbent tubes for TPH analyses. Bill

On Monday, April 22, 2024 at 02:15:21 PM PDT, LAMADRID David \* DEQ <[david.lamadrid@deq.oregon.gov](mailto:david.lamadrid@deq.oregon.gov)> wrote:

Bill,

Are you planning on monitoring indoor barometric pressure, as requested in comment No. 5 in my email to you dated April 11, 2024? This monitoring is a relatively inexpensive element of a VI assessment and can reduce uncertainties in the interpretation of data. There are many influences on indoor air quality and reducing uncertainties (or data gaps) minimizes the risk of having to do additional work down the road.

Also, for documentation purpose, a field data collection form should be included in your VI assessment report that shows sample date, collection time, regulator-controlled sampling rate, and pre-and post-sampling vacuum readings in the summa canisters.

David Lamadrid

(503) 501-0669

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**From:** K&S Environmental <[ksenvironmental@yahoo.com](mailto:ksenvironmental@yahoo.com)>  
**Sent:** Monday, April 15, 2024 3:58 PM  
**To:** LAMADRID David \* DEQ <[david.lamadrid@deq.oregon.gov](mailto:david.lamadrid@deq.oregon.gov)>; Chris Meier <[chris.meier@herzogmeier.com](mailto:chris.meier@herzogmeier.com)>; Tim Meier <[tmeier@prefcap.com](mailto:tmeier@prefcap.com)>  
**Subject:** Father and Son VI Proposal

David, Attached is the proposed scope of work for the indoor air sampling at the referenced site. Please review and give me a call with any questions. Thanks, Bill