

**From:** [Troy Bussey](#)  
**To:** [Hunt, Joe \(ECY\)](#)  
**Cc:** [Mullin, Tim \(ECY\)](#)  
**Subject:** RE: Proposed Methane SG sampling locations at former Hardel site in Olympia (VCP SW1757)  
**Date:** Tuesday, September 13, 2022 10:46:04 AM  
**Attachments:** [Hardel WP Fig 4 \(Methane SG\)\\_090722 - JBH EI.pdf](#)

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Joe –

Thank you very much for taking a look at the proposed methane soil gas locations, and your prompt response. I really appreciate it. I do have one follow-up question. Were you thinking your 12 proposed locations (with the @ symbols) are in addition to the 8 new SVPs I proposed (and the re-sampling of 7 existing SVPs if they are still intact) or were they in place of what I proposed? I am assuming you meant “In addition to”, although I wanted to double check.

Respectfully,  
Troy

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**Troy Bussey Jr.**  
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**From:** Hunt, Joe (ECY) <johu461@ECY.WA.GOV>  
**Sent:** Tuesday, September 13, 2022 9:22 AM  
**To:** Troy Bussey <BusseyT@uspioneer.com>  
**Cc:** Mullin, Tim (ECY) <TMUL461@ECY.WA.GOV>  
**Subject:** RE: Proposed Methane SG sampling locations at former Hardel site in Olympia (VCP SW1757)

Troy,

Thanks for reaching out on the prospective methane sampling. Attached are my suggestions via @ symbols – mainly bracketing the hotspots and doing some other survey points where no data has been collected to date. Hope this helps.

V/r,  
Joseph B. Hunt, LHG  
VCP Project Manager/Hydrogeologist  
Toxics Cleanup Program – Southwest Region  
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**From:** Troy Bussey <[BusseyT@uspioneer.com](mailto:BusseyT@uspioneer.com)>  
**Sent:** Monday, September 12, 2022 3:34 PM  
**To:** Hunt, Joe (ECY) <[johu461@ECY.WA.GOV](mailto:johu461@ECY.WA.GOV)>; Hunt, Joe (ECY) <[johu461@ECY.WA.GOV](mailto:johu461@ECY.WA.GOV)>  
**Subject:** Proposed Methane SG sampling locations at former Hardel site in Olympia (VCP SW1757)

Joe –

Nice talking to you today. As I mentioned today, one of our remaining RI data gaps (per Nick Acklam's recommendation during our Jan 11, 2022 VCP technical consultation) is to refine the areas where methane soil gas concentrations exceed 30% in order to inform the areas where long-term monitoring and institutional control requirements for methane will apply at the aforementioned site. Based on past site experience with not being able to install and/or sample soil vapor probes (SVPs) due to shallow groundwater, we need to conduct this methane soil gas sampling within the next month before the rainy season starts. So if you could provide any thoughts/input on the proposed sampling locations (see attached figure) in the next week or so, I would really appreciate it. The attached figure shows the 23 existing/attempted SVPs (i.e., B10, B11, and SVP1 through SPV21) and the 8 proposed SVPs (i.e., SVP22 through SVP29) to be installed and sampled. If you have any feedback, an informal email or verbal response is sufficient. Note that we will be using the same simple procedures (e.g., field methane measurements from SVPs with a landfill gas meter) that were previously approved by Nick Acklam.

P.S. As I mentioned, once we get the go ahead from the land use/redevelopment team for this project (hopefully in the next month or two), I will be submitting to you (1) a request for opinion form, (2) responses to Nick Acklam's Jan 11, 2022 comments, and (3) a Work Plan to address the 3 data gaps identified by Nick during that Jan 11, 2022 meeting. The data we have collected since 2020 have been uploaded to EIM.

Respectfully,  
Troy

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