

**From:** [Koepke, Cynthia L - DNR](#)  
**To:** [Gaieck, Thomas](#)  
**Cc:** [Jeremy Williams](#); [Ross, Issac A - DNR](#)  
**Subject:** Darlington historic landfill gas monitoring, 02-33-582970  
**Date:** Friday, October 20, 2023 10:35:00 AM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
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[image005.png](#)

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Hello Tom,

I see in the landfill gas report you submitted in September 2023 for the historic landfill in Darlington that you request a reduction in monitoring frequency.

Based on my discussions with one of DNR's landfill engineers and my experience with this and other closed landfills, semi-annual monitoring is not sufficient for an active gas extraction system. To be protective, continue with the current monitoring schedule.

We appreciate the City's efforts to be good stewards of this old landfill. We can certainly revisit the monitoring schedule some time in the next few years if the methane levels continue to trend down. The location of the landfill so close to the river is likely a large factor in fluctuating methane levels as the remaining waste mass is periodically re-wetted, leading to increased decomposition and gas generation.

Thank you.

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**Cindy Koepke, P.G.**

[she/her/hers]

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