



Stracuzzi, Benjamin <benjamin.stracuzzi@dnr.iowa.gov>

Sivyer Steel - PE-17 Hydrasleeve Trial Run

9 messages

Stracuzzi, Benjamin <benjamin.stracuzzi@dnr.iowa.gov>

Wed, Apr 14, 2021 at 2:47 PM

To: Hayworth.Brad@epa.gov

Cc: "Levetzow, Kurt" <kurt.levetzow@dnr.iowa.gov>, "Lee, Brian" <brian.lee@dnr.iowa.gov>

Hi Brad,

We were able to complete the trial run of PE-17 sampling at Sivyer Steel today. Here are some observations from our visit:

Ambient PID Reading: 0.0 PPM

PE-17 PID Reading: 0.0 PPM

Static Water Level: 2.55' from TOC

Total Depth: 13.18' from TOC

We removed three bailers worth of water. The first bailer was clear with little to no sediment. The second bailer included sediment in roughly 1/3 of the bailer with the remainder of the bailer being clear water. The third bailer was also clear with little to no sediment. No petroleum odor or free product was observed. I would also note that the Quad Cities area received about 2" of rain over the weekend, but the well cap seemed to be secure.

We proceeded to set up the hydrasleeve samplers and inserted them into the well for our trial run. This whole process went well. We waited approximately five minutes before removing the hydrasleeves for practice sampling. We were able to successfully collect a mock round of a liter jar and three VOA vials. Similar to the bailers, the water was primarily clear with a small amount of sediment in the bottom of the hydrasleeves. I would expect this sediment to settle to the bottom of the well after it has time to equilibrate.

During the actual sampling event, we plan to bring a portable table or similar in order to make dispensing the samples a bit easier. We tried various methods of hanging/holding the hydrasleeves but ultimately being able to rest the bottom of the hydrasleeves on a clean/level surface should make sampling easier.

The "official" hydrasleeve sampling setup was deployed shortly thereafter. Given the sampling setup and depth measurements, we are sampling the interval from approximately 10-13' below ground surface. We picked up the sample bottle kit from Quad Cities Metallurgical labs and plan to return next Wednesday morning to complete sample collection. Let me know if you have any questions.

Thank you,



Ben Stracuzzi | Environmental Specialist

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Lee, Brian <brian.lee@dnr.iowa.gov>

Wed, Apr 14, 2021 at 3:54 PM

To: "Stracuzzi, Benjamin" <benjamin.stracuzzi@dnr.iowa.gov>

If you want to schedule something else in the area next Wednesday go ahead. I will look to see what I have in the area we could both benefit from.



Brian Lee | Environmental Specialist
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Hayworth, Brad <Hayworth.Brad@epa.gov>
 To: "Stracuzzi, Benjamin" <benjamin.stracuzzi@dnr.iowa.gov>
 Cc: "kurt.levetzow@dnr.iowa.gov" <kurt.levetzow@dnr.iowa.gov>, "Lee, Brian" <brian.lee@dnr.iowa.gov>

Wed, Apr 14, 2021 at 8:32 PM

Ben

Thx for your thorough and insightful report. You guys have planned and executed the dry run superbly, so I am confident the actual sampling event will proceed successfully. We could chat again before the final run if desired, but based on your proven preparedness, I see no compelling necessity for us to talk before the final run. I would request that you measure the wellhead gases again next Wednesday before you pull the Hydrasleeve and that you document the day's event's in a field book. Thx again to you and your bosses for IDNR's partnership in this endeavor.

Brad Hayworth
 US EPA Region 7

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Stracuzzi, Benjamin <benjamin.stracuzzi@dnr.iowa.gov>
 To: "Hayworth, Brad" <Hayworth.Brad@epa.gov>
 Cc: "kurt.levetzow@dnr.iowa.gov" <kurt.levetzow@dnr.iowa.gov>, "Lee, Brian" <brian.lee@dnr.iowa.gov>

Thu, Apr 15, 2021 at 11:01 AM

Hi Brad,

I think we should be good to go for the final sample collection next Wednesday. We will be sure to document the day's events and test wellhead gases with the PID.

Thank you,



Ben Stracuzzi | Environmental Specialist
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Hayworth, Brad <Hayworth.Brad@epa.gov>

Thu, Apr 15, 2021 at 11:18 AM

To: "Stracuzzi, Benjamin" <benjamin.stracuzzi@dnr.iowa.gov>

Cc: "kurt.levetzow@dnr.iowa.gov" <kurt.levetzow@dnr.iowa.gov>, "Lee, Brian" <brian.lee@dnr.iowa.gov>

Ben

Since you've seemingly already coordinated with the lab, I presume no need for me to contact/interact further with the lab about next Wednesday's projected activities. However, I'll coordinate as needed with the lab about the sample analysis reporting.

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Stracuzzi, Benjamin <benjamin.stracuzzi@dnr.iowa.gov>

Thu, Apr 15, 2021 at 11:21 AM

To: "Hayworth, Brad" <Hayworth.Brad@epa.gov>

Cc: "kurt.levetzow@dnr.iowa.gov" <kurt.levetzow@dnr.iowa.gov>, "Lee, Brian" <brian.lee@dnr.iowa.gov>

Sounds like a plan. We have the bottles, cooler, and ice packs and will prep some of the labels for the bottles. Otherwise, when we deliver the samples I'll make sure to remind them the metals samples needs to be acidified as soon as possible.



Ben Stracuzzi | Environmental Specialist

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Lee, Brian <brian.lee@dnr.iowa.gov>

Thu, Apr 15, 2021 at 2:17 PM

To: "Stracuzzi, Benjamin" <benjamin.stracuzzi@dnr.iowa.gov>

My pics are uploaded to N drive FYI



Brian Lee | Environmental Specialist

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Stracuzzi, Benjamin <benjamin.stracuzzi@dnr.iowa.gov>

Thu, Apr 15, 2021 at 2:26 PM

To: "Lee, Brian" <brian.lee@dnr.iowa.gov>

Thanks! I don't think I have anything in the area to complete next Wednesday unless I get assigned a complaint. If you have an inspection/complaint nearby, we can certainly put that on the day's agenda.

Ben Stracuzzi | Environmental Specialist

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Lee, Brian <brian.lee@dnr.iowa.gov>
To: "Stracuzzi, Benjamin" <benjamin.stracuzzi@dnr.iowa.gov>

Thu, Apr 15, 2021 at 2:28 PM

ok I'll call Matt over in Atalissa and see if he'd be available. I got quite a few things to finish from this week, but I should be able to get a review in Monday and/or Tuesday. I'll let you know. thanks



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