



Jolly, Becky <becky.jolly@dnr.iowa.gov>

Fwd: Re: Central Disposal - Monitoring Network Revision Options

1 message

Smith, Mike <mike.smith@dnr.iowa.gov>

Wed, Jun 22, 2022 at 1:26 PM

To: "Ambuehl, Megan" <megan.ambuehl@stantec.com>

Cc: Becky Jolly <becky.jolly@dnr.iowa.gov>, Madelynn Nelson <madelynn.nelson@dnr.iowa.gov>

Megan

The proposed locations are approved.

Thanks,
Mike**Michael W. Smith, P.E. | Environmental Engineer Senior**

Solid Waste and Contaminated Sites Section

Iowa Department of Natural Resources

P: 515-229-8356 F: 515-725-8201

502 E. 9th Street, Des Moines, IA 50319



----- Forwarded message -----

From: **Ambuehl, Megan** <megan.ambuehl@stantec.com>

Date: Wed, Jun 22, 2022 at 1:10 PM

Subject: RE: Re: Central Disposal - Monitoring Network Revision Options

To: Smith, Mike <mike.smith@dnr.iowa.gov>

Cc: Johnson, Terry <tjohnson8@wm.com>, Olson, Mark <mark.olson@stantec.com>, Field, Tyler <tfield1@wm.com>, Anderson, Cory (Maple Plain) <cory.anderson2@stantec.com>, Sullivan, Brad <brad.sullivan@stantec.com>

Hi Mike,

Attached is a figure with the draft subgrade plan and the proposed approximate locations for relocating wells, based on draft grades (perimeter grades will change slightly but the slope break along the well realignment will be in the same general area). MW-131 would be located along the same alignment to the east (south of its existing location).

Please let us know if you have any comments on these locations as we are moving forward with work plan preparation. We anticipate two mobilizations related to the monitoring network revisions; one for existing well abandonment prior to construction and the other for installation of the new wells once construction activities in the area have ceased (to avoid any impacts from construction or construction traffic).

Thank you!

Megan Ambuehl, PE*

Principal, Disposal and Recovery Services

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From: Field, Tyler <tfield1@wm.com>
Sent: Tuesday, May 10, 2022 5:12 PM
To: Smith, Mike <mike.smith@dnr.iowa.gov>; Anderson, Cory (Maple Plain) <cory.anderson2@stantec.com>
Cc: Johnson, Terry <tjohnson8@wm.com>; Ambuehl, Megan <megan.ambuehl@stantec.com>; Olson, Mark <mark.olson@stantec.com>
Subject: RE: Re: Central Disposal - Monitoring Network Revision Options

Hi Mike,

Thank You for the clarification and guidance on this issue. So I am clear would the wells need to be within 50' from the limits of the composite liner or within 50' from our liner construction limits. The reason I ask is that since the cell will be excavated 30-40' down we planned on having a short liner run-out and then layback the soil at a 3:1 on the south side if we put the wells in this run-out area and keep them within 50' from the composite liner they will essentially be in a ditch/stormwater staging area between the future waste slope to the North and the soil excavation slope to the South, which is not an ideal place to site a monitoring well. If we move the well to the top of the excavated slope to the south this would likely put the wells approximately 120 feet or so horizontally from the limits of the composite liner but would be within 50' of the limits of construction. Let me know your thoughts or if a figure would be helpful we can provide that as well.

Thanks,

Tyler Field

Engineering Manager

Upper-Midwest Market Area

tfield1@wm.com

262.443.2240

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[Germantown, WI, 53022](#)



Our renewable energy projects create enough energy to power nearly one million homes and save the equivalent of more than 14 million barrels of oil per year.

From: Smith, Mike <mike.smith@dnr.iowa.gov>
Sent: Tuesday, May 10, 2022 8:59 AM
To: Anderson, Cory (Maple Plain) <cory.anderson2@stantec.com>
Cc: Field, Tyler <tfield1@wm.com>; Johnson, Terry <tjohnson8@wm.com>; Ambuehl, Megan <megan.ambuehl@stantec.com>; Olson, Mark <mark.olson@stantec.com>
Subject: [EXTERNAL] Re: Central Disposal - Monitoring Network Revision Options

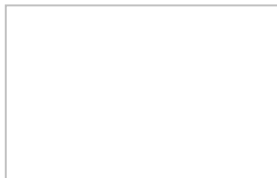
Cory:

We will require that downgradient monitoring wells be placed at or within 50 feet south of the edge of the cell being built this year. If at some point it can be demonstrated that a groundwater control feature can reverse gradients to an inward gradient status then we would be receptive to eliminating some monitoring wells.

Call me if you wish to discuss.

Thanks,

Mike



iowadnr.gov

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On Mon, May 9, 2022 at 3:29 PM Anderson, Cory (Maple Plain) <cory.anderson2@stantec.com> wrote:

Hello Mike,

Thanks for taking the time to join us on the call today to discuss monitoring network revisions for Central Disposal. I have attached the figure showing the proposed Options A, B, and C that we discussed today for revising the monitoring network at Central Disposal.

Please share/discuss with IDNR engineering team as you mentioned and let us know what the IDNR recommends.

Please feel free to let me know if you have any questions or comments.

Thanks.

-Cory

Cory Anderson

Associate, Environmental Scientist

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2 attachments



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1K



mwfigure_05.15.22.pdf

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