



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

Re: Construction/Reconstruction of wells at MW-2CR and BMW-24-03

1 message

Rath, Brian <brian.rath@dnr.iowa.gov>

Mon, Apr 27, 2026 at 4:05 PM

To: Dylan Morlang <dmorlang@bowman.com>

Cc: Todd Kincaid <kincaid@geohydros.com>, "Struby, Sarah Lintecum" <sarah.struby@stinson.com>, Jennifer Popp <jpopp@bowman.com>, Bill Hilger <Bill.Hilger@quikrete-cement.com>, Becky Jolly <becky.jolly@dnr.iowa.gov>

Thank you for the submittal. As I previously mentioned, after further thought, since both are non-standard installations, we need more details on the installation before proceeding. So the cross-sections showing the stope's ceiling and floor, the boreholes, and the wells are definitely beneficial for us to understand the proposed installations. After reviewing these, we have the following comments:

The schematic for the proposed MW-2CR alteration shows the new well being installed below the stope floor and the dust/water layer within the stope. Furthermore, it appears that the proposed MW-2CR will be installed to the same depths below the stope floor as BMW-24-03. Therefore, the proposed well will not be screened in the same layer (i.e. dust/water layer) as the current MW-2CR. Considering the change in elevation and source of water being sampled, this appears to be an entirely new well instead of a replacement of MW-2CR. If you feel this change is necessary, please justify.

In addition, we also request specifics on the proposed drilling and installation methods, sampling and logging procedures, and as-built survey and documentation procedures.

Documenting the various strata, depths, and elevations along with the same for the stope ceiling, floor, and contents, is particularly critical. In addition, these all need referenced to the well screen, filter pack, seals, casing, surface, etc.

The open boreholes above the stope are concerning because it could be a source of surface or groundwater unrelated to the stope, which would make the resulting sampling data from the stope suspect.

Similarly, for BMW-24-03, there is concern that the borehole below the stope floor may become contaminated with the overlying dust/water, which would make the resulting sampling data from that well suspect.

Please clarify how these concerns will be addressed, and include any other relevant information.

If you have any questions, please contact me at the number below.

Thanks,
Brian

Brian Rath, P.E.**Environmental Engineer Senior**

Solid Waste and Contaminated Sites Section

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6200 Park Ave, Suite 200

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515-537-4051

brian.rath@dnr.iowa.govwww.iowadnr.gov

On Fri, Apr 24, 2026 at 1:54 PM Dylan Morlang <dmorlang@bowman.com> wrote:

Good afternoon Brian,

Please see attached for proposed well construction diagrams.

Thank you,

DYLAN MORLANG

Project Hydrogeologist | **BOWMAN**

D: (518) 308-4361

dmorlang@bowman.com

From: Todd Kincaid <kincaid@geohydros.com>

Sent: Thursday, April 23, 2026 1:54 PM

To: Rath, Brian <brian.rath@dnr.iowa.gov>

Cc: Struby, Sarah Lintecum <sarah.struby@stinson.com>; Dylan Morlang <dmorlang@bowman.com>; Jennifer Popp <jpopp@bowman.com>; Bill Hilger <Bill.Hilger@quikrete-cement.com>; Becky Jolly <becky.jolly@dnr.iowa.gov>

Subject: RE: Construction/Reconstruction of wells at MW-2CR and BMW-24-03

Hi Brian –

No problem. Will try to get well construction diagrams out to you today.

Best,

Todd

From: Rath, Brian <brian.rath@dnr.iowa.gov>

Sent: Thursday, April 23, 2026 8:42 AM

To: Todd Kincaid <kincaid@geohydros.com>

Cc: Struby, Sarah Lintecum <sarah.struby@stinson.com>; Dylan Morlang <dmorlang@bowman.com>; Jennifer Popp <jpopp@bowman.com>; Bill Hilger <Bill.Hilger@quikrete-cement.com>; Becky Jolly <becky.jolly@dnr.iowa.gov>

Subject: Re: Construction/Reconstruction of wells at MW-2CR and BMW-24-03

Todd - We have received your email, and thank you for the update. Thinking about this further, since both are non-standard installations, we need more details about the installation before proceeding. We plan to provide those specifics by early next week.

Thanks,

Brian

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On Wed, Apr 22, 2026 at 6:27 PM Todd Kincaid <kincaid@geohydros.com> wrote:

Hello Brian,

As noted in the most recent AWQR submission, the well in BMW-24-03 failed due to elevated air temperatures in the stope, and in accordance with the recommended next steps presented in the report, we are planning to remobilize to the Site to reconstruct BMW-24-03 using stainless steel. Since MW-2CR is also in the stope and, at present just an open borehole, we intend to install a similar stainless steel monitoring well there that will also be screened below the bottom of the stope.

Pending your approval, construction of both monitoring locations is planned to begin in early May.

Please let us know if IDNR has any questions or requires any additional information.

Thank you,

Best regards,

Todd Kincaid, Ph.D. / on behalf of Bowman

President, Hydrogeologic Modeler

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