

From: [Wendy Bidwell](#)
To: [Mike Auge](#)
Cc: [Ryan MacNeil](#); [Erica Janes](#); [Norman McCowan](#); [Jayda Robillard](#)
Subject: RE: New Monitoring Wells for Hay River SWF
Date: Wednesday, September 22, 2021 7:20:36 AM

Thanks for the notification, Mike. I have cc'd the Lands Inspectors in Hay River here so they are aware. Please note that the permit requires that Inspectors be notified prior to commencement and completion of drilling activities. Please refer to the permit for more details as to what is required.

Regards,

Wendy

Mársı | Kinanāskomitin | Thank you | Merci | Hqı' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Wendy Bidwell

Pronouns: she/her/hers

Senior Water Resource Officer

South Slave Region

Department of Environment and Natural Resources

Government of the Northwest Territories

Highway #5

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From: Mike Auge <pwsdirector@hayriver.com>
Sent: Friday, September 10, 2021 10:49 AM
To: Wendy Bidwell <Wendy_Bidwell@gov.nt.ca>
Cc: Ryan MacNeil <civil@hayriver.com>; Erica Janes <ejanes@mvlwb.com>
Subject: RE: New Monitoring Wells for Hay River SWF

Hi Wendy,

The Town of Hay River is planning on drilling the monitoring wells required under our water licence the week of October 25 – 29. If you require any additional information or notification in advance of this work, please let me know.

If there are any changes to this schedule, the Town will let you know.

Thanks,

Mike Auge, P. Eng

Director of Public Works

Town of Hay River

100 – 62 Woodland Dr.

Hay River, N.T. X0E 1G1

Ph: (867) 874-6522

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From: Wendy Bidwell <Wendy_Bidwell@gov.nt.ca>

Sent: May 18, 2021 2:36 PM

To: Mike Auge <pwsdirector@hayriver.com>

Cc: Ryan MacNeil <civil@hayriver.com>; Renee White <rwhite@kblenv.com>; Erica Janes <ejanes@mvlwb.com>

Subject: RE: New Monitoring Wells for Hay River SWF

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Hi Mike,

The following are some things to note with regard to requirements in the new licence (MV2019L3-0010) for additional GWM wells:

Total of (3) groundwater wells to be drilled (1 background + 2 Sentinel):

(1) Background well: In the location deemed to be most appropriate within the blue circle (see map attached), and

(2) Sentinel Wells (WL, p. 91):

- In Licence MV2019L3-0010, the Board has included four groundwater monitoring locations downstream from the SWDF and HCSTF as sentinel groundwater monitoring wells (stations 0053-5c, -d, -e and -f)."
- This includes the existing SNP stations 0053-5d and 0053-5e from MV2009L3-0005, as well as two new locations: the **relocated 0053-5c** and the **new 0053-5f** within areas denoted by two green circles on the map attached (see attached).
- **Relocation SNP 0053-5c:** At the Public Hearing both the Town and ENR agreed that 0053-5c should be moved east to lie between the Waste footprint and the Hay River and to align with

the other 5-series wells, along an established and accessible walking path.

- The resulting sentinel well network provides a boundary of monitoring between the Waste footprint of the SWDF and the Hay River from SNP 0053-5d in the northwest, running southeast (stations 0053-5c, 0053-5d and 0053-5f), along the existing footpath and up gradient of the Hay River, to SNP 0053-5f at the northeast corner of the SWDF.

NOTE: Schedule 3 Item 3 requires a **SURFACE WATER INFILTRATION TEST of 0053-5b**, is **to be completed PRIOR to drilling the other additional groundwater wells** – If results from this infiltration test shows that 0053-5b is compromised, then 0053-5b should be re-drilled. In this case, 4 additional wells should be drilled, instead of 3.

As noted below, please pre-identify locations with the consultants and provide a map with selected locations (including coordinates), I'll ground truth the locations with you when I head to Hay River for the spring inspection.

Thanks in advance,

Wendy

Mársı | Kinanāskomitin | Thank you | Merci | Hąı' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi
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From: Wendy Bidwell

Sent: Thursday, May 13, 2021 10:01 AM

To: 'Mike Auge'

Cc: Ryan MacNeil; Renee White; Erica Janes

Subject: RE: New Monitoring Wells for Hay River SWF

Hi Mike,

Further to our recent call, I have contacted Waters Division to see if ENR have any recommendations as to where the new wells should be sited. If so, I will get that information to you prior to the consultants arrival in May. As mentioned, I likely won't be able to accompany the Town and consultants at the end of May due to availability, but if you can pre-identify locations with the consultants and provide a map with selected locations, I'll ground truth the locations with you when I head to Hay River for the spring inspection (June 9).

I'll be in contact with any recommendations.

Regards

Wendy

Mársı | Kinanāskomitin | Thank you | Merci | Hǫı' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi
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From: Mike Auge [<mailto:pwdirector@hayriver.com>]

Sent: Thursday, May 13, 2021 9:25 AM

To: Wendy Bidwell

Cc: Ryan MacNeil; Renee White; Erica Janes

Subject: New Monitoring Wells for Hay River SWF

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Hi Wendy,

We've just learned that our consultant will be in town May 26th – 28th for the Town's spring sampling activities under our Water Licence so we are hoping to choose locations for the required new monitoring wells at that time. As the water licence states, the final well locations are to be determined with an Inspector so we are hoping that you can be available at some point during those dates to accompany us to the SWF to choose these locations.

Please let us know if you (or any other Inspector) are available during this time and if so, what day/time would work best for you.

Please call me if you have any questions or concerns with this proposed plan.

Thanks,

Mike Auge, P. Eng

Director of Public Works

Town of Hay River

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Hay River, N.T. X0E 1G1

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