
From: Ryan.Aamot@ghd.com
Sent: Thursday, March 08, 2018 4:27 PM
To: Richard, Philip E - DNR
Cc: cctofiling@croworld.com
Subject: Rhinelander Monitoring Plan ~COR-11115796~
Attachments: 6 2016..05 DNRs Rhine LF GW Mon Plan Approval.pdf

Good Afternoon Phil,

In the attached table from Groundwater Monitoring Plan sent to the City of Rhinelander from John Sager, it says that 21B and 21C can be abandoned.

I have the budget for this activity and I would like to get it done this spring. While I have the drillers on-site, I would also like to abandon 4B, 25A, and 26A (listed as RLG keep?). These wells were removed from the monitoring plan in 2016 after many years of monitoring and are no longer sampled or monitored.

Chris Rog, formerly with Sand Creek Consulting and now with GHD, negotiated the sampling reduction with John Sager. Chris believes that the WDNR approved the abandonment of all five wells listed in this email.

Is the WDNR fine with GHD abandoning these three additional wells?

Thanks,
Ryan

From: Aamot, Ryan
Sent: Wednesday, July 12, 2017 2:51 PM
To: 'Philip Richard (Philip.Richard@wisconsin.gov)' <Philip.Richard@wisconsin.gov>
Subject: Rhinelander Monitoring Plan

Phil,

Attached is a letter that that was sent to the City of Rhinelander from the DNR last spring. We have been conducting the sampling based on the attached table. Let me know if you need anything else from me.

Thanks,
Ryan

Ryan Aamot PG

GHD

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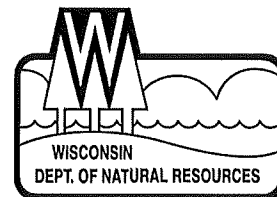
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State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1701 North 4th Street
Superior WI 54880

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



April 29, 2016

Mayor Richard Johns
City of Rhinelander
135 South Stevens Street
Rhinelander, WI 54501

SUBJECT: Groundwater Monitoring Plan, Rhinelander City Landfill
Newell Street, Rhinelander, License #686
BRRTS ID #: 02-44-200967

Dear Mayor Johns,

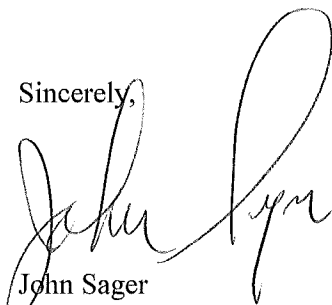
The Wisconsin Department of Natural Resources (WDNR) has completed a review of the April 2015 Request to Reduce Groundwater Monitoring (Request) submitted to the WDNR by Sand Creek Consultants, Inc. (Sand Creek). Sand Creek recommended reducing groundwater monitoring from at several locations where Sand Creek states past monitoring has shown low concentrations of contaminants. Sand Creek proposed a reduction in monitoring from 37 to 17 monitoring wells.

Following WDNR review of the Request and subsequent discussions between Sand Creek and the WDNR, the attached table, Rhinelander Landfill Groundwater Monitoring Plan, shows the agreed upon Groundwater Monitoring Plan (Plan). The Plan includes semiannual monitoring at 9 monitoring wells and annual monitoring at 14 monitoring wells. The Plan should allow for adequate monitoring of existing conditions and future changes to groundwater quality. Groundwater monitoring result reporting will be the same as past groundwater monitoring. The WDNR will update the Waste and Materials Management Program's GEMS database to reflect the Plan.

The WDNR agrees to maintain a portion of the monitoring wells as indicated on the Table for future groundwater monitoring by the WDNR. The WDNR intends to continue periodic groundwater quality monitoring at monitoring wells associated with the landfill including monitoring wells along the Pelican River. The WDNR will maintain and abandon the monitoring wells marked "DNR Keep" on the attached table when they are no longer needed.

The WDNR appreciates the Rhinelander Landfill Groups willingness to work with the WDNR to develop this Plan and looks forward to future cooperation resolving remaining outstanding issues at the landfill. Please contact me at (715) 392-7822 or john.sager@wisconsin.gov if you have any questions concerning this correspondence.

Sincerely,

A handwritten signature in cursive script, appearing to read "John Sager". The signature is written in black ink and is positioned above the printed name.

John Sager
Hydrogeologist
Remediation and Redevelopment Program

Enclosure: Rhinelander Landfill Groundwater Monitoring Plan

- C: Kristina Aschenbrenner, City of Rhinelander
- Philip J Slowiak, Sr., International Paper Company
- Linda Benfield, Foley & Lardner, LLP
- Brian Heim, International Paper
- Bruce White, Barnes & Thornburg, LLP
- Carrie S. Miljevich, City of Rhinelander
- Christopher Rog, Sand Creek Consultants, Inc.
- John Robinson, DNR Wausau

Rhineland Landfill Groundwater Monitoring Plan

Well ID	Parameter											Sampling Frequency	Well Status
	Field Parameters*	Alkalinity	COD	Hardness	Ammonia - N	Kjeldahl - N	Chloride	Boron	Iron	Manganese	VOC/RLF**		
2A	x	x		x	x	x	x	x	x	x	x	Semiannual	Active
2B	x	x		x			x		x	x	x	Semiannual	Active
3A	x	x		x	x	x	x		x	x	x	Annual	Active
4A	x	x		x			x	x	x	x	x	Annual	Active
4B													RLG keep?
5A	x	x		x			x	x	x	x	x	Annual	Active
16A	x	x		x			x		x	x	x	Semiannual	Active
16B	x	x		x			x		x	x	x	Semiannual	Active
16C	x	x		x			x		x	x	x	Semiannual	Active
18A	x	x		x			x		x	x	x	Annual	Active
18B	x	x		x			x		x	x	x	Annual	Active
18C	x	x		x			x	x	x	x	x	Annual	Active
19A													DNR to keep
19B	x											Annual	Active
19C	x											Annual	Active
20A	x	x		x			x	x	x	x	x	Semiannual	Active
20B	x	x		x			x		x	x	x	Semiannual	Active
20C	x	x		x			x		x	x	x	Semiannual	Active
21A	x	x		x	x	x	x	x	x	x	x	Annual	Active
21B													Abandon?
21C													Abandon?
25A													RLG keep?
25B	x	x		x			x	x	x	x	x	Annual	Active
26A													RLG keep?
26B	x	x		x			x		x	x	x	Annual	Active
26C	x	x		x			x		x	x	x	Annual	Active
27A													DNR to keep
27B	x	x		x			x		x	x	x	Annual	Active
27C													DNR to keep
28A	x	x		x			x	x	x	x	x	Semiannual	Active
28B	x											Annual	Active
29A													DNR to keep
29B													DNR to keep
29C													DNR to keep
30A													DNR to keep
30B													DNR to keep
30C													DNR to keep

* Field parameters include: color, odor, redox, DO, salinity, conductivity, pH, temperature, turbidity, and water elevation

** VOC/RLF means VOC by EPA method SW8260B plus tetrahydrofuran

blank = Parameter not part of the 2016 monitoring plan