

From: Miller, Roger <rmiller@geiconsultants.com>
Sent: Wednesday, June 24, 2020 3:50 PM
To: James, Andrew G - DNR
Cc: Moore, Michael T; Garvey, Paul
Subject: BW-3 and BW-6 Abandonment Forms - Remaining Actions Needed - Buth Oil Facility (Former) - BRRTS # 02-05-563707
Attachments: 02-05-563707_Buth Oil Facility (Former)_BW-3 Abandonment Form_6-18-20_1903903.pdf; 02-05-563707_Buth Oil Facility (Former)_BW-6 Abandonment Form_6-18-20_1903903.pdf

Andrew,

As documented on the attached abandonment forms, Monitoring Wells BW-3 and BW-6 were abandoned by removal of the PVC well screen and casing and sealing the boreholes with bentonite in conformance with NR 141, Wisconsin Administrative Code, requirements on June 18, 2020. Per the email chain below, we understand abandoning/sealing the monitoring wells was the last action required to satisfy the Remaining Actions Needed letter from the WDNR dated June 3, 2020.

Please contact us with any questions and, as appropriate, issue the final closure letter and place the petroleum-contaminated site on the GIS registry.

Thank you,



ROGER A. MILLER, P.G., C.P.G.
Senior Hydrogeologist
920.455.8657 cell: 920.737.6373
3159 Voyager Drive, Green Bay, WI 54311



From: Miller, Roger
Sent: Wednesday, June 3, 2020 9:22 AM
To: James, Andrew G - DNR <andrew.james@wisconsin.gov>
Cc: Moore, Michael T <MICHAEL.MOORE@GAPAC.com>
Subject: RE: Remaining Actions Needed - Buth Oil Facility (Former) - BRRTS # 02-05-563707

Andrew,

We will proceed with monitoring well filling and sealing and provide documentation for the abandonments of BW-3 and BW-6 on WDNR Form 3300-005. Purge water or other wastes do not remain on the site, so we do not plan to provide additional documentation besides the monitoring well abandonment forms.

We plan to provide the monitoring well abandonment documentation to you soon. In the meantime, please contact us with any questions.

Thank you,



ROGER A. MILLER, P.G., C.P.G.
Senior Hydrogeologist
920.455.8657 cell: 920.737.6373
3159 Voyager Drive, Green Bay, WI 54311



From: James, Andrew G - DNR <andrew.james@wisconsin.gov>
Sent: Wednesday, June 3, 2020 9:14 AM
To: Moore, Michael T <MICHAEL.MOORE@GAPAC.com>; Miller, Roger <rmiller@geiconsultants.com>
Subject: [EXT] Remaining Actions Needed - Buth Oil Facility (Former) - BRRTS # 02-05-563707

Mike and Roger,

Please see the attached Remaining Actions Needed letter. Per our conversation below a hard copy will not be mailed. If you would like a hard copy mailed, please let me know.

Thanks,
Andy James

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Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Andrew James

Hydrogeologist Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313
Phone: 920-662-5149 (Voicemail only)
Cell: 920-883-2267
Andrew.James@wisconsin.gov



dnr.wi.gov



From: Moore, Michael T <MICHAEL.MOORE@GAPAC.com>
Sent: Thursday, May 28, 2020 12:44 PM
To: James, Andrew G - DNR <andrew.james@wisconsin.gov>; Miller, Roger <rmiller@geiconsultants.com>
Subject: RE: Revisions to Closure Packet - Buth Oil Facility (Former) - BRRTS # 02-05-563707

Andy and Roger,

I am quite comfortable with receiving the Remaining Actions Needed letter via email.

Mike Moore

From: James, Andrew G - DNR <andrew.james@wisconsin.gov>
Sent: Thursday, May 28, 2020 12:30 PM
To: Miller, Roger <rmiller@geiconsultants.com>
Cc: Moore, Michael T <MICHAEL.MOORE@GAPAC.com>
Subject: RE: Revisions to Closure Packet - Buth Oil Facility (Former) - BRRTS # 02-05-563707

Sent by an external sender

Hello Roger,
The requested revisions to the closure packet have been received by the DNR and determined at this time to be complete. I will begin drafting the Remaining Actions Needed letter and expect to get this to you in the next 2 weeks. Due to the current health crisis the DNR would like to issue this letter via email. A hard copy would be available and can be mailed upon request. Please let us know if Mr. Moore and Georgia Pacific would prefer a hard copy. Thank you and have a nice day.

Andy

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Andrew James

Hydrogeologist Remediation & Redevelopment Program
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313
Phone: 920-662-5149 (Voicemail only)
Cell: 920-883-2267
Andrew.James@wisconsin.gov

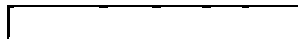


From: Miller, Roger <rmiller@geiconsultants.com>
Sent: Wednesday, May 6, 2020 2:35 PM
To: James, Andrew G - DNR <andrew.james@wisconsin.gov>
Cc: Michael.Moore@gapac.com
Subject: RE: Revisions to Closure Packet - Buth Oil Facility (Former) - BRRTS # 02-05-563707

Thanks, Andy. We will follow up with any questions on the final closure packet edits you describe below. Would you like to see the cap maintenance plan before we provide the finalized closure packet?

GEI50

ROGER A. MILLER, P.G., C.P.G.
Senior Hydrogeologist
920.455.8657 cell: 920.737.6373
3159 Voyager Drive, Green Bay, WI 54311



From: James, Andrew G - DNR <andrew.james@wisconsin.gov>

Sent: Wednesday, May 6, 2020 2:32 PM

To: Miller, Roger <rmiller@geiconsultants.com>

Subject: [EXT] Revisions to Closure Packet - Buth Oil Facility (Former) - BRRTS # 02-05-563707

Hi Roger,

Below are the requested revisions to the closure packet. Once you have had a chance to go over these give me a call and we can discuss any questions you may have.

Thanks,

Andy

On Form 4400-202:

Make sure exact BRRTS name is used on page 1 of closure form: Buth Oil Facility (Former)

WTM: X 676307 Y 448913

Section 3.A.i include:

BW-3, 9/19/18 to 5/1/19.

BW-6 , 9/19/18 to 5/1/19.

4.H:

Change language to say that cap is needed to address gw pathway and industrial zoning is being maintained to address non-industrial direct contact exposure. Make sure the closure form is consistent throughout with this revised language.

Section 4.L:

Remove current language and state that exemptions are not applicable (NA).

CO Table on page 11:

-i check box for Affected Property & ROW.

-vi check box for source property.

-viii check box for source property.

-xiii check box for source property.

Page 15:

Check all monitoring wells have been located and will be abandoned.

Page 18:

Need Updated Certification. Please use the updated version of Form 4400-202.

Attachment A:

A cover sheet which labels and describes each section, is missing. For those sections that are not applicable (sections A.4, A.5 and A.7), please label them and provide a description of why that section does not apply.

Attachment B:

A cover sheet which labels and describes each section, is missing. For those sections that are not applicable (sections B.4 and B.5), please label them and provide a description of why that section does not apply.

B.1.a map is mislabeled, the map currently says B.1.b.

B.2.a and B.2.b.(i):

Extend GW Path RCL line to include, SZ-4, GP-8, TW-8, and E Leg Composite.

Add utility excavation and composite locations to these maps.

B.3.b:

Include PAL line.

B.3.d:

This map is missing. Please indicate on the map, the status of the wells.

Attachment C:

A cover sheet which labels and describes each section, is missing. For those sections that are not applicable (sections C.1, C.2, C.3, C.4, C.5 and C.6), please label them and provide a description of why that section does not apply.

The documents in C.1, C.2 and C.4, are duplicative and have previously been submitted. Therefore, please include the name and date of each report containing these documents (see below), on the cover sheet and remove these documents from Attachment C.

C.1 – All Site Investigation Documentation has previously been submitted and was included in the 3/16/2020 SIR.

C.2 – All Waste Disposal Documentation has previously been submitted in the 3/16/2020 SIR.

C.4 – All Remedial and Interim Action Documentation has previously been submitted in the 8/25/2015 TSSA Report.

Attachment D:

As discussed please submit a Cap Maintenance Plan for GW infiltration only: Sections D.1, D.2 and D.4 must be included. (D.3 photographs were already included in your submittal)

Attachment E:

Please include this attachment with a cover sheet that explains the status of the wells.

Attachment F:

Label the last map in F.1 as F.2. Make this a separate PDF labeled as F.2.

F.2:

Please indicate the former Buth Oil Facility parcel area on this map as it is depicted on map B.1.b(i) and edit the caption to state approximate former parcel boundary of Buth Oil Facility within current Parcel No. 101407.

Attachment G:

Please include this attachment with a cover sheet that explains why this attachment is not applicable.

Please follow [the link](#), under section 8, if you would like a reference as to what a cover sheet should look like.

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Andrew James

Hydrogeologist Remediation & Redevelopment Program

Wisconsin Department of Natural Resources

2984 Shawano Avenue

Green Bay, WI 54313
Phone: 920-662-5149 (Voicemail only)
Cell: 920-883-2267
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Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

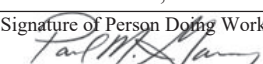
Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION	
WI Unique Well No. BW-3	DNR Well ID No.	County Brown	Facility Name Georgia-Pacific Broadway Mill Parking Lot 6	
Common Well Name <u>BW-3</u> Gov't Lot (if applicable)			Facility ID 405032970	License/Permit/Monitoring No.
Grid Location NE <u>1</u> /4 of SE <u>1</u> /4 of Sec. <u>2</u> ; T. <u>23</u> N; R. <u>20</u> <input checked="" type="checkbox"/> E _____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.			Street Address of Well 1749 S. Broadway	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>			City, Village, or Town Green Bay, WI 54307	
Lat _____ ° _____ ' _____ " Long _____ ° _____ ' _____ " or			Present Well Owner Georgia-Pacific Consumer Operations LLC	
State Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			Original Owner Same	
Reason For Abandonment Case Closure		WI Unique Well No. of Replacement Well	Street Address or Route of Owner 1919 S. Broadway, PO Box 19130	
			City, State, Zip Code Green Bay, WI 54307-9130	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date <u>09/10/2018</u>		Pump & Piping Removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
<input checked="" type="checkbox"/> Monitoring Well	If a Well Construction Report is available, please attach.	Liner(s) Removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Water Well		Screen Removed?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Drillhole / Borehole		Casing Left in Place?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Construction Type:		Was Casing Cut Off Below Surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Did Sealing Material Rise to Surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<input type="checkbox"/> Other (Specify) _____		Did Material Settle After 24 Hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Formation Type:		If Yes, Was Hole Retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Required Method of Placing Sealing Material			
Total Well Depth (ft) <u>14.0</u>	Casing Diameter (in.) <u>2.0</u>	<input type="checkbox"/> Conductor Pipe - Gravity	<input type="checkbox"/> Conductor Pipe - Pumped		
(From ground surface)	Casing Depth (ft.) <u>13.8</u>	<input checked="" type="checkbox"/> Screened & Poured	<input type="checkbox"/> Other (Explain)		
Lower Drillhole Diameter (in.) <u>8.0</u>		(Bentonite Chips)			
Was Well Annular Space Grouted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Sealing Materials	For monitoring wells and monitoring well boreholes only		
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Neat Cement Grout	<input checked="" type="checkbox"/> Bentonite Chips		
Depth to Water (Feet) <u>6.0</u>		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Granular Bentonite		
		<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite-Cement Grout		
		<input type="checkbox"/> Clay-Sand Slurry	<input type="checkbox"/> Bentonite - Sand Slurry		
		<input type="checkbox"/> Bentonite-Sand Slurry			
		<input type="checkbox"/> Chipped Bentonite			
(5) Sealing Material Used		From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Concrete Grout		Surface	1.0	1/3 sack	
3/8" Bentonite Chips		1.0	14.0	1/2 sack	

(6) Comments Final 0.3' was finished with asphalt pavement by G-P personnel

BRRTS No. 02-05-563707 – Buth Oil Facility (Former)

(7) Name of Person or Firm Doing Sealing Work GEI Consultants, Inc.	Date of Abandonment 06/18/2020	FOR DNR OR COUNTY USE ONLY <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Date Received</td> <td style="width:50%;">Noted By</td> </tr> <tr> <td colspan="2" style="height: 50px;">Comments</td> </tr> </table>	Date Received	Noted By	Comments	
Date Received	Noted By					
Comments						
Signature of Person Doing Work 	Date Signed 06/18/2020					
Street or Route 3159 Voyager Drive	Telephone Number 920-455-8200					
City, State, Zip Code Green Bay, WI 54311						

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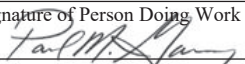
Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other _____

(1) GENERAL INFORMATION		(2) FACILITY /OWNER INFORMATION	
WI Unique Well No. BW-6	DNR Well ID No.	County Brown	Facility Name Georgia-Pacific Broadway Mill Parking Lot 6
Common Well Name <u>BW-6</u> Gov't Lot (if applicable)		Facility ID 405032970	License/Permit/Monitoring No.
NE <u> </u> 1/4 of SE <u> </u> 1/4 of Sec. <u> 2 </u> ; T. <u> 23 </u> N; R. <u> 20 </u> <input checked="" type="checkbox"/> E Grid Location <input type="checkbox"/> W		Street Address of Well 1749 S. Broadway	
_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, Village, or Town Green Bay, WI 54307	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Present Well Owner Georgia-Pacific Consumer Operations LLC	
Lat _____ ° _____ ' _____ " Long _____ ° _____ ' _____ " or		Original Owner Same	
State Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Street Address or Route of Owner 1919 S. Broadway, PO Box 19130	
Reason For Abandonment Case Closure		City, State, Zip Code Green Bay, WI 54307-9130	
WI Unique Well No. of Replacement Well			

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL			
Original Construction Date <u>09/10/2018</u>		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable			
<input checked="" type="checkbox"/> Monitoring Well		Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable			
<input type="checkbox"/> Water Well		Screen Removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable			
<input type="checkbox"/> Drillhole / Borehole		Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
If a Well Construction Report is available, please attach.		Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Construction Type:		Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<input type="checkbox"/> Other (Specify) _____		If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Formation Type:		Required Method of Placing Sealing Material			
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		<input type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped			
Total Well Depth (ft) <u>14.5</u> Casing Diameter (in.) <u>2.0</u>		<input checked="" type="checkbox"/> Screened & Poured <input type="checkbox"/> Other (Explain)			
(From ground surface) Casing Depth (ft.) <u>14.4</u>		(Bentonite Chips)			
Lower Drillhole Diameter (in.) <u>8.0</u>		Sealing Materials		For monitoring wells and monitoring well boreholes only	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Neat Cement Grout		<input checked="" type="checkbox"/> Bentonite Chips	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Sand-Cement (Concrete) Grout		<input type="checkbox"/> Granular Bentonite	
Depth to Water (Feet) <u>6.0</u>		<input type="checkbox"/> Concrete		<input type="checkbox"/> Bentonite-Cement Grout	
		<input type="checkbox"/> Clay-Sand Slurry		<input type="checkbox"/> Bentonite - Sand Slurry	
		<input type="checkbox"/> Bentonite-Sand Slurry			
		<input type="checkbox"/> Chipped Bentonite			
(5) Sealing Material Used		From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Concrete Grout		Surface	1.0	1/3 sack	
3/8" Bentonite Chips		1.0	14.5	1/2 sack	

(6) Comments Final 0.3' was finished with asphalt pavement by G-P personnel

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(7) Name of Person or Firm Doing Sealing Work GEI Consultants, Inc.		Date of Abandonment 06/18/2020
Signature of Person Doing Work 		Date Signed 06/18/2020
Street or Route 3159 Voyager Drive		Telephone Number 920-455-8200
City, State, Zip Code Green Bay, WI 54311		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	