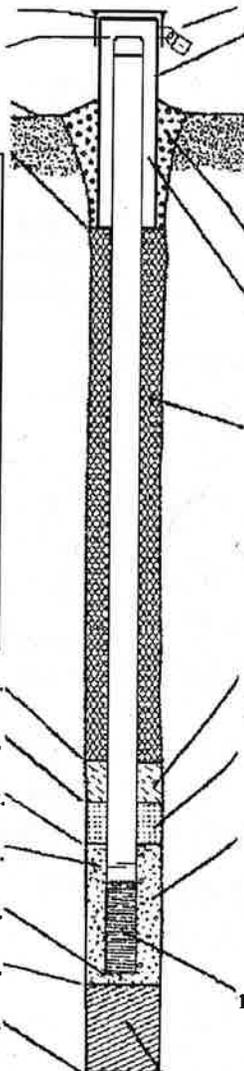


## **Long Lake Geoprobe Well & Boring Forms**

- Monitoring Well Construction (4400-113A)
- Monitoring Well Development (4400-113B)
- Borehole Abandonment (3300-05)

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name <u>LL 01 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> Estimated: <input type="checkbox"/> or Well Location <input type="checkbox"/> Lat. <u>44.20982</u> Long. <u>-89.45635</u>	Wis. Unique Well No. <u>40817</u> DNR Well ID No. _____
Facility ID <u>WID = 70002293</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/11/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Dmy Kapugi</u> <u>Outside Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>1114.33</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1114.30</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: _____ Steel <input type="checkbox"/> 04 Other <input checked="" type="checkbox"/> 04
C. Land surface elevation <u>1110.92</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: _____ Bentonite <input checked="" type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <u>Sand</u> _____ Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above
14. Drilling method used: _____ Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Geoprobe</u> Other <input checked="" type="checkbox"/>	f. How installed: _____ Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>NA</u>	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint #40 / Native</u> b. Volume added _____ ft <sup>3</sup>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	9. Well casing: _____ Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: _____ Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
G. Filter pack, top <u>1103.80</u> ft. MSL or _____ ft.	b. Manufacturer <u>Monoflex</u> c. Slot size: _____ 0.010 in. d. Slotted length: _____ 10 ft.
H. Screen joint, top <u>1101.80</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): _____ None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
I. Well bottom <u>1091.80</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>1089.92</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>6.2</u> in.	
N. I.D. well casing <u>4.0</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Pater Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL01. (Site ID)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>46817</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Water

3. Time spent developing well 35 min.

4. Depth of well (from top of well casing) 22.5 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 19.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>14.26</u> ft.	<u>14.32</u> ft.
Date	b. <u>07/11/2018</u> m m d d y y y y	<u>07/11/2018</u> m m d d y y y y
Time	c. <u>10:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>7.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown</u> <u>opaque</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael A. Parson

Print Name: Mike Parson

Firm: WGNHS

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Central Sands Lakes study</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>LL01B (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <b>44.20981</b> Long. <b>-89.45634</b>	Wis. Unique Well No. <b>VQ841</b> DNR Well ID No.
Facility ID <b>WID = 70002319</b>	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <b>11/16/2018</b>
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Dny Kapigi</b> <b>ONSITE Environmental</b>
Distance from Waste/Source ft.	Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number
Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		

A. Protective pipe, top elevation **1113.08** ft. MSL  
 B. Well casing, top elevation **1112.97** ft. MSL  
 C. Land surface elevation **1110.54** ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

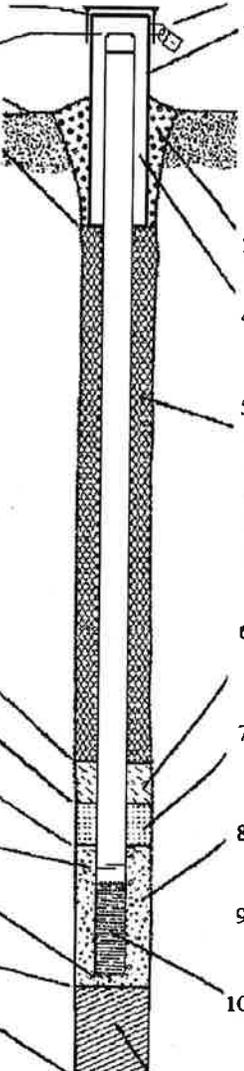
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Geoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NIA



- Cap and lock?  Yes  No
- Protective cover pipe:
  - Inside diameter: **4** in.
  - Length: **5** ft.
  - Material: Steel  04  
Other
  - Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- Surface seal: Bentonite  30  
Concrete  01  
Other
- Material between well casing and protective pipe: Sand  
Bentonite  30  
Other
- Annular space seal:
  - Granular/Chipped Bentonite  33
  - Lbs/gal mud weight... Bentonite-sand slurry  35
  - Lbs/gal mud weight... Bentonite slurry  31
  - % Bentonite... Bentonite-cement grout  50
  - Ft<sup>3</sup> volume added for any of the above
  - How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- Bentonite seal:
  - Bentonite granules  33
  - 1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - Other
- Fine sand material: Manufacturer, product name & mesh size
  - \_\_\_\_\_
  - Volume added \_\_\_\_\_ ft<sup>3</sup>
- Filter pack material: Manufacturer, product name & mesh size
  - Red Flint #40 Native
  - Volume added \_\_\_\_\_ ft<sup>3</sup>
- Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- Screen material: PVC
  - Screen type: Factory cut  11  
 Continuous slot  01  
 Other
  - Manufacturer Monoflex
  - Slot size: **0.010** in.
  - Slotted length: **5** ft.
- Backfill material (below filter pack): None  14  
 Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 G. Filter pack, top **1065.27** ft. MSL or \_\_\_\_\_ ft.  
 H. Screen joint, top **1063.27** ft. MSL or \_\_\_\_\_ ft.  
 I. Well bottom **1058.77** ft. MSL or \_\_\_\_\_ ft.  
 J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 K. Borehole, bottom **1058.94** ft. MSL or \_\_\_\_\_ ft.  
 L. Borehole, diameter **2.4** in.  
 M. O.D. well casing **1.2** in.  
 N. I.D. well casing **1.0** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Wauwasha</u>	Well Name <u>LL01B (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ841</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Water

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 54.7 ft.

5. Inside diameter of well 4.0 in.

6. Volume of water in filter pack and well casing 1.8 gal.

7. Volume of water removed from well 10 gal.

8. Volume of water added (if any) --- gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>12.53</u> ft.	<u>12.53</u> ft.
Date	<u>11/20/2018</u> m m d d y y y y	<u>11/20/2018</u> m m d d y y y y
Time	c. <u>13:05</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>13:45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>2.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids --- mg/l --- mg/l

15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>Central Sands Lakes Study</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>LL02 (Site ID)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <u>VO818</u> DNR Well ID No.	
Facility ID <u>W10=70002294</u>		Lat. <u>44° 20' 78.6"</u> Long. <u>-89° 46' 11.3"</u>		Date Well Installed <u>07/17/2018</u> m m d d y y y y	
Type of Well Well Code <u>11, MW</u>		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Tony Kapogi</u> <u>Onsite Environmental</u>	
Distance from Waste/Source ft. <input type="checkbox"/> u <input type="checkbox"/> d		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
		Gov. Lot Number			

- A. Protective pipe, top elevation 1110.67 ft. MSL
- B. Well casing, top elevation 1110.59 MSL
- C. Land surface elevation 1108.14 ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

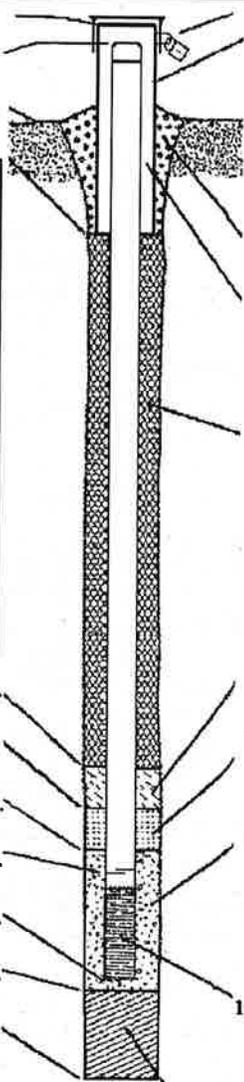
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Geoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: 4 in.
  - b. Length: 5 ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe: Sand  
Bentonite  30  
Other
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50
  - e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint #40/Native  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other
- b. Manufacturer Monoflex  
 c. Slot size: 0.010 in.  
 d. Slotted length: 10 ft.
- 11. Backfill material (below filter pack): None  14  
 Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top 1102.39 ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top 1100.39 ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom 1090.39 ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom 1088.14 ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter 2.4 in.
- M. O.D. well casing 1.2 in.
- N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael F. Larsen Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL02 (Site ID)</u>	
Facility License, Permit or Monitoring Number	County Code <u>79</u>	Wis. Unique Well Number <u>10818</u>	DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Walegra
3. Time spent developing well 30 min.
4. Depth of well (from top of well casing) 20.2 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 10.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added N/A
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>11.51</u> ft.	<u>11.45</u> ft.
Date	b. <u>07/17/2018</u> m m d d y y y y	<u>07/17/2018</u> m m d d y y y y
Time	c. <u>12:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>13:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>1.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown</u> <u>Opaque</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Peter</u>	Last Name: <u>Chase</u>
Firm:	<u>WGNHS</u>	

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

Route to:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name <u>Central Sands Lakes Study</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <u>LLO2B (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. <u>19042</u> DNR Well ID No.	
Facility ID <u>WID = 70002320</u>		Lat. <u>44.20784</u> Long. <u>-89.46113</u>		Date Well Installed <u>01/15/2018</u>	
Type of Well Well Code <u>11 / MW</u>		St. Plane _____ ft. N, _____ ft. E. S/C/N		Well Installed By: Name (first, last) and Firm <u>Dony Kapigi</u> <u>OnSite Environmental</u>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source <input type="checkbox"/> u Upgradient <input type="checkbox"/> s Sidegradient <input type="checkbox"/> d Downgradient <input type="checkbox"/> n Not Known		Gov. Lot Number	

- A. Protective pipe, top elevation 1110.46 ft. MSL
- B. Well casing, top elevation 1110.23 ft. MSL
- C. Land surface elevation 1107.96 ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

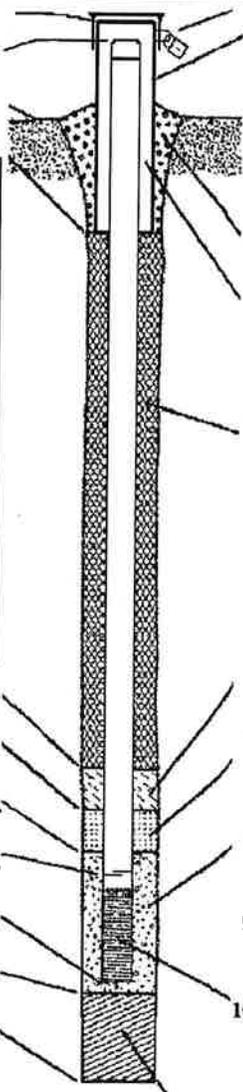
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Gespoke Hollow Stem Auger  41  
 Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
Sm Prairie



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: \_\_\_\_\_ in.
  - b. Length: 4 ft.
  - c. Material:  Steel  04  
 Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal:  Bentonite 30  
 Concrete 01  
 Other
- 4. Material between well casing and protective pipe:  
Sand  Bentonite 30  
 Other
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint #40 Native  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer Monoflex  
 c. Slot size: \_\_\_\_\_ 0.010 in.  
 d. Slotted length: \_\_\_\_\_ 5 ft.
- 11. Backfill material (below filter pack):  None 14  
 Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top 1073.23 ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top 1071.23 ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom 1066.23 ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom 1064.96 ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter 2.4 in.
- M. O.D. well casing 1.2 in.
- N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature Michael T. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Wauwatosa</u>	Well Name <u>LL02B (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>V0842</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other 1

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 44 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 1.8 gal.

7. Volume of water removed from well 35 gal.

8. Volume of water added (if any) --- gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>9.80</u> ft.	<u>9.81</u> ft.
Date	b. <u>11/20/2018</u> m m d d y y y y	<u>11/20/2018</u> m m d d y y y y
Time	c. <u>12:05</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>12:35</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>2.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids --- mg/l --- mg/l

15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>Central Sands Lakes Study</u>		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name <u>LL 03 (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>44° 20' 660</u> Long. <u>-89° 46' 092</u> or _____		Wis. Unique Well No. <u>W0819</u> DNR Well ID No. _____	
Facility ID <u>W10=70002295</u>		St. Plane _____ ft. N, _____ ft. E. S/C/N		Date Well Installed <u>07/16/2018</u> m m d d y y v v	
Type of Well Well Code <u>11 / MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>Onsite Environmental</u>	
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	

- A. Protective pipe, top elevation 1117.16 ft. MSL
- B. Well casing, top elevation 1117.21 ft. MSL
- C. Land surface elevation 1114.67 ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

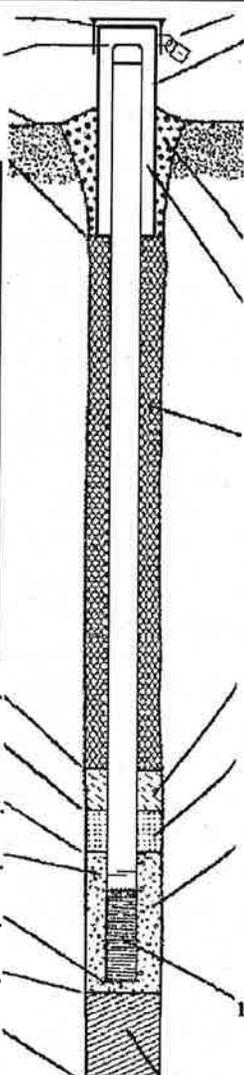
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Creoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe NA

17. Source of water (attach analysis, if required):  
NA



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: 4 in.
  - b. Length: 3 ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other  Native Soil
- 4. Material between well casing and protective pipe: Bentonite  30  
Other  Sand
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35  
c. \_\_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  31  
d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50  
e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
a. \_\_\_\_\_  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
a. Redflint #40  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other
- 10. Screen material: PVC  
a. Screen type: Factory cut  11  
Continuous slot  01  
Other
- b. Manufacturer Monoflex  
c. Slot size: 0.010 in.  
d. Slotted length: 19 ft.
- 11. Backfill material (below filter pack): None  14  
Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top 1103.51 ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top 1101.51 ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom 1091.51 ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom 1089.67 ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter. 2.4 in.
- M. O.D. well casing 1.2 in.
- N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Wausseau</u>	Well Name <u>LL 03 (Site D)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>YQ819</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 25.7 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.2 gal.

7. Volume of water removed from well 12.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

11. Depth to Water (from top of well casing)

	<u>Before Development</u>	<u>After Development</u>
a.	<u>18.22</u> ft.	<u>18.21</u> ft.
Date	<u>07/16/2018</u> m m d d y y y y	<u>07/16/2018</u> m m d d y y y y
Time	<u>10:20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.

12. Sediment in well bottom 2.0 inches 0.0 inches

13. Water clarity

Clear <input type="checkbox"/> 10	Clear <input type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 15	Turbid <input checked="" type="checkbox"/> 25
(Describe) <u>Opaque</u>	(Describe) <u>Brown</u>
<u>Brown</u>	<u>Slight-med. turbidity</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

Route to:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>LL04 (Site ID)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>44 20398</u> Long. <u>-89 45143</u> or <u>V0820</u>	Wis. Unique Well No. <u>V0820</u> DNR Well ID No.
Facility ID <u>WID=70002296</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/17/2018</u> m m d d y y y y
Type of Well Well Code <u>11, MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Grage Kapugi</u> <u>Onsite</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation 1127.79 ft. MSL

B. Well casing, top elevation 1127.76 ft. MSL

C. Land surface elevation 1124.91 ft. MSL

D. Surface seal, bottom: \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Cnc probe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA

1. Cap and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: 4 in.  
 b. Length: 2 ft.  
 c. Material: Steel  04  
 Other

d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Native Soil  
 Bentonite  30  
 Concrete  01  
 Other

4. Material between well casing and protective pipe: Sand  
 Bentonite  30  
 Other

5. Annular space seal:  
 a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08

6. Bentonite seal:  
 a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Plast #40 / Native  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other

10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other

b. Manufacturer Mosaflex  
 c. Slot size: 0.010 in.  
 d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None  14  
 Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

G. Filter pack, top 1102.66 ft. MSL or \_\_\_\_\_ ft.

H. Screen joint, top 1100.66 ft. MSL or \_\_\_\_\_ ft.

I. Well bottom 1090.66 ft. MSL or \_\_\_\_\_ ft.

J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

K. Borehole, bottom 1089.91 ft. MSL or \_\_\_\_\_ ft.

L. Borehole, diameter 2.4 in.

M. O.D. well casing 1.2 in.

N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parson Firm WGNHS

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL04 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>YQ820</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 40 min.
4. Depth of well (from top of well casing) 37.1 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 15.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>29.04</u> ft.  | <u>29.07</u> ft.   |
| Date   | b. <u>07/17/2018</u><br>m m d d y y y y  | <u>07/17/2018</u><br>m m d d y y y y   |
| Time   | c. <u>10:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.   | <u>11:20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.              |
| 12. Sediment in well bottom                  | <u>14.0</u> inches   | <u>0.9</u> inches  |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Brown</u><br><u>opaque</u> | Clear <input checked="" type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parfen

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parfen

Print Name: Mike Parfen

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

LL05

### Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

**Notice:** Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <u>Waushara</u>		WI Unique Well # of Removed Well		Hicap #		Facility Name <u>Central Sands Lakes Study</u>	
Latitude / Longitude (see instructions) <u>44.20530</u> N <u>-89.44784</u> W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) <u>WGNHS</u>	
1/4 1/4 or Gov't Lot #		Section		Township <u>N</u>		License/Permit/Monitoring # <u>WID=70002297 SITE ID=LL05</u>	
Well Street Address				Original Well Owner			
Well City, Village or Town				Well ZIP Code			
Subdivision Name				Lot #			
Reason for Removal from Service <u>Exploratory Boring</u>				WI Unique Well # of Replacement Well			
<input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input checked="" type="checkbox"/> Borehole / Drillhole				Original Construction Date (mm/dd/yyyy) <u>7/16/2018</u>			
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <u>Creeprobe borehole</u>				If a Well Construction Report is available, please attach.			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				<input type="checkbox"/> Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) <u>20</u>				Casing Diameter (in.) <u>N/A</u>			
Lower Drillhole Diameter (in.) <u>2.4</u>				Casing Depth (ft.) <u>N/A</u>			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown				Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
If yes, to what depth (feet)?				Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips			
Depth to Water (feet) <u>10</u>				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

3. Filled & Sealed Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
--	--	--	--	---	--	--	--

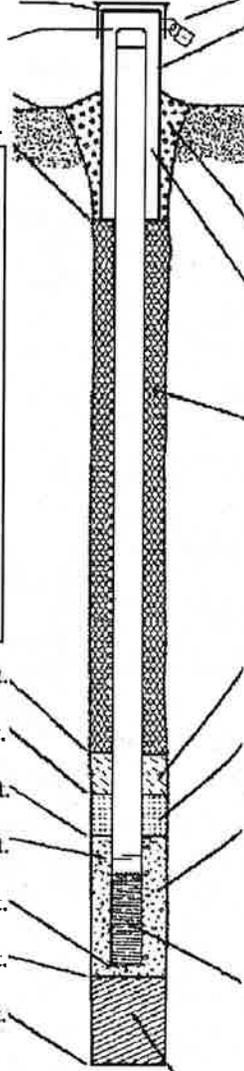
5. Material Used to Fill Well / Drillhole				From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite chips</u>				Surface	<u>20'</u>		

**6. Comments**  
Borehole was abandoned and sealed

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>Tony Kapugi onsite Environmental</u>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>7/16/2018</u>	Date Received	Noted By
Street or Route		Telephone Number ( )	Comments	
City	State	ZIP Code	Signature of Person Doing Work	
			Date Signed	

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>LL05B (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>44.20534</u> Long. <u>-89.44784</u> or	Wis. Unique Well No. <u>V0821</u> DNR Well ID No. _____
Facility ID <u>WID=70002298</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/16/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>1110.80</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1110.59</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>1108.57</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Material between well casing and protective pipe: <u>Sand</u> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Coneprobe</u> Other <input checked="" type="checkbox"/>	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Redflat #40 / Native</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>NA</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.918</u> in. d. Slotted length: <u>10</u> ft.
G. Filter pack, top <u>1103.79</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>1101.79</u> ft. MSL or _____ ft.	
I. Well bottom <u>1091.79</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>1088.57</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>1.2</u> in.	
N. I.D. well casing <u>1.0</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parson Firm WGNHS

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL05B(Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VO821</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input checked="" type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other _____	<input type="checkbox"/>	

3. Time spent developing well 50 min.

4. Depth of well (from top of well casing) 18.8 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.2 gal.

7. Volume of water removed from well 3.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>11.55</u> ft.	<u>11.61</u> ft.
Date	b. <u>07/16/2018</u> m m d d y y y y	<u>07/16/2018</u> m m d d y y y y
Time	c. <u>16:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>16:50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>6.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Very dark gray opaque</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Very dark gray opaque</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <b>Central Sands Lakes Study</b>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <b>LLOSC (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <b>44.20535</b> Long. <b>-89.44784</b>	Wis. Unique Well No. <b>10843</b> DNR Well ID No. _____
Facility ID <b>WID = 70002321</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>01/15/2018</b>
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Dny Kapuji</b> <b>OnSite Environmental</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

- A. Protective pipe, top elevation **1110.85** ft. MSL
- B. Well casing, top elevation **1110.87** ft. MSL
- C. Land surface elevation **1108.64** ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

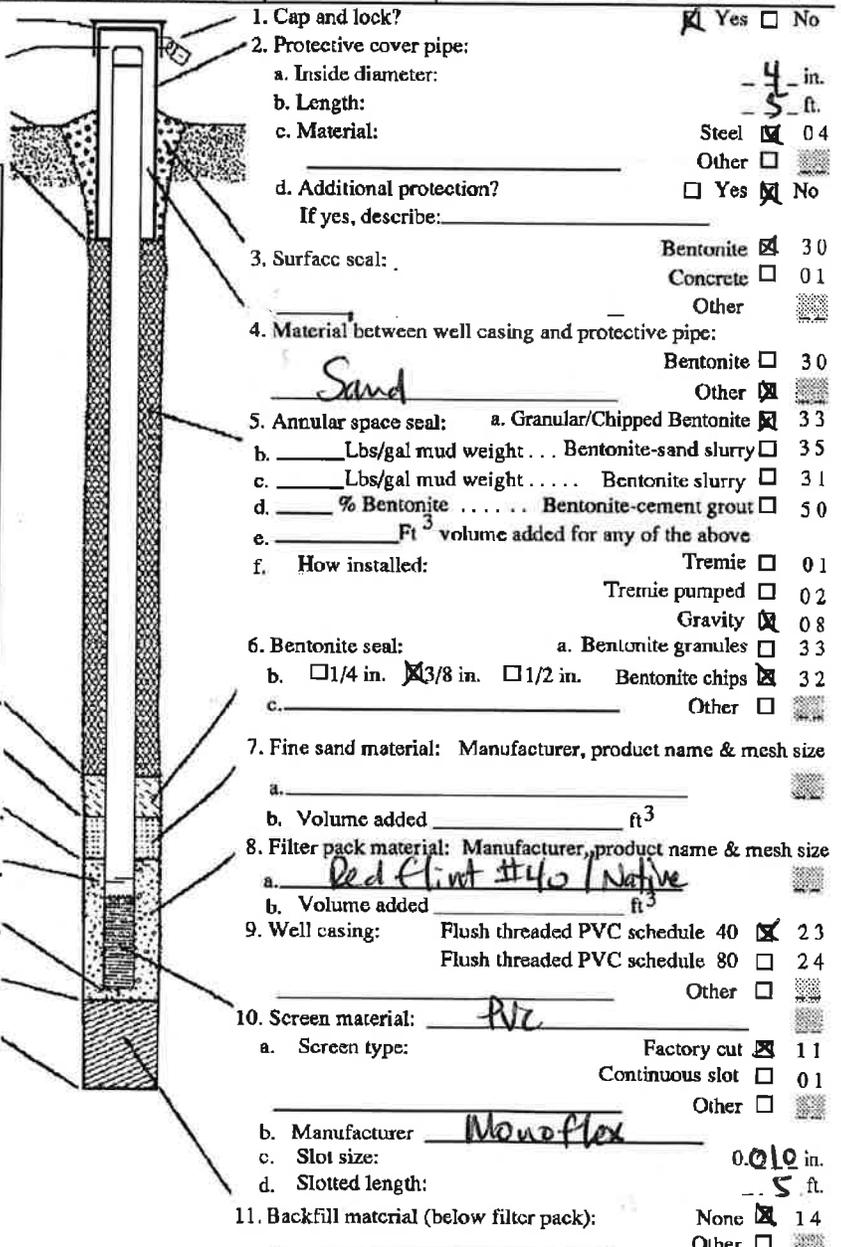
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Geoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
Sum Prairie



- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top **1059.67** ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top **1057.67** ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom **1052.67** ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom **1052.64** ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter **2.4** in.
- M. O.D. well casing **1.2** in.
- N. I.D. well casing **1.0** in.

- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: **4** in.
  - b. Length: **5** ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal:
  - Bentonite  30
  - Concrete  01
  - Other
- 4. Material between well casing and protective pipe:
  - Bentonite  30
  - Other  Sand
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50
  - e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
  - a. \_\_\_\_\_
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size
  - a. Red Flint #40 Native
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material: PVC
  - a. Screen type: Factory cut  11  
Continuous slot  01  
Other
  - b. Manufacturer Monoflex
  - c. Slot size: **0.010** in.
  - d. Slotted length: **5** ft.
- 11. Backfill material (below filter pack): None  14  
 Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
 Signature Michael T. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LLOSC (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>10043</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other Water

3. Time spent developing well 55 min.

4. Depth of well (from top of well casing) 58.4 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 1.8 gal.

7. Volume of water removed from well 28 gal.

8. Volume of water added (if any) --- gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>10.38</u> ft.	<u>10.37</u> ft.
Date	b. <u>11/20/2018</u> m m d d y y y y	<u>11/20/2018</u> m m d d y y y y
Time	c. <u>10:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:35</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>10</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	<u>---</u> mg/l	<u>---</u> mg/l
15. COD	<u>---</u> mg/l	<u>---</u> mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.



Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL06 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>YQ822</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 45 min.
4. Depth of well (from top of well casing) 34.2 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.2 gal.
7. Volume of water removed from well 13.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>27.04</u> ft.	<u>27.03</u> ft.
Date	b. <u>07/16/2018</u> m m d d y y y y	<u>07/16/2018</u> m m d d y y y y
Time	c. <u>14:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>14:45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>7.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Opaque Brown</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	<u>---</u> mg/l	<u>---</u> mg/l
15. COD	<u>---</u> mg/l	<u>---</u> mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Peter</u>	Last Name: <u>Chase</u>
Firm:	<u>WGNHS</u>	

17. Additional comments on development:  
DTB 33.5 pre-development

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael G. Parson

Print Name: Mike Parson

Firm: WGNHS

Route to:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name <b>CENTRAL SANDS LAKES STUDY</b>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <b>LL 07 (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <b>44.20842</b> Long. <b>-89.45400</b> or _____	Wis. Unique Well No. <b>V0823</b> DNR Well ID No. _____
Facility ID <b>WID = 70002300</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N _____	Date Well Installed <b>07/16/2018</b> m m d d y y y y
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Tony Kapugi</b> <b>Onsite Environmental</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number _____
Location of Well Relative to Waste/Source <input type="checkbox"/> u <input type="checkbox"/> s <input type="checkbox"/> d <input type="checkbox"/> n <input type="checkbox"/> Not Known		

- A. Protective pipe, top elevation **1122.02** ft. MSL
- B. Well casing, top elevation **1121.80** ft. MSL
- C. Land surface elevation **1119.33** ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

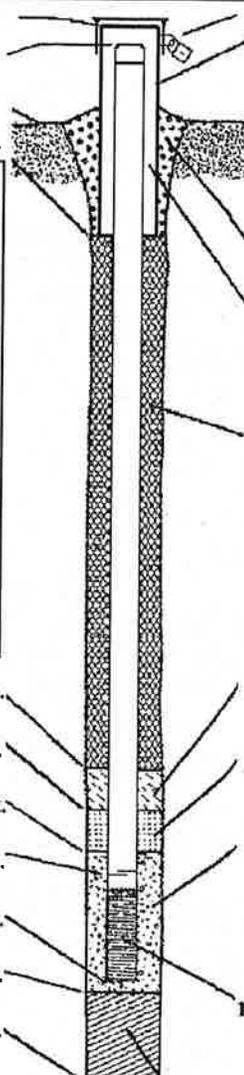
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
**Creaprobe** Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
**NA**



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: **4** in.
  - b. Length: **3** ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
**Native Soil** Concrete  01  
Other
- 4. Material between well casing and protective pipe: Bentonite  30  
**Sand** Other
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other
- 7. Fine sand, material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
**Red Plast #40**  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material: **PVC**  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer **Monoflex**  
 c. Slot size: **0.010** in.  
 d. Slotted length: **10** ft.
- 11. Backfill material (below filter pack): None  14  
 Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top **1103.10** ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top **1101.10** ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom **1091.10** ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom **1089.33** ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter **2.4** in.
- M. O.D. well casing **1.2** in.
- N. I.D. well casing **1.0** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature **Michael T. Parker** Firm **WGNHS**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL07 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ823</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 35 min.
4. Depth of well (from top of well casing) 30.7 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 14.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>22.00</u> ft.  | <u>22.00</u> ft.   |
| Date   | b. <u>07/16/2018</u><br>m m d d y y y y  | <u>07/16/2018</u><br>m m d d y y y y   |
| Time   | c. <u>12:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                               | <u>13:25</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.  |
| 12. Sediment in well bottom                  | <u>2.0</u> inches  | <u>0.0</u> inches  |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Brown opaque</u> | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>light brown slight turbidity</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm  
First Name: Peter Last Name: Chase  
Firm: WGNHS

17. Additional comments on development:  
DTB 29.8 pre-development

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parsen

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael G. Parsen

Print Name: Mike Parsen

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>Central Sewer Lateral Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>LL08 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>44.20903</u> Long. <u>-89.45995</u> or <u>VG824</u>	Wis. Unique Well No. <u>VG824</u> DNR Well ID No. _____
Facility ID <u>WID = 70002301</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/16/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

- A. Protective pipe, top elevation 1121.97 ft. MSL
- B. Well casing, top elevation 1122.01 ft. MSL
- C. Land surface elevation 1119.41 ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

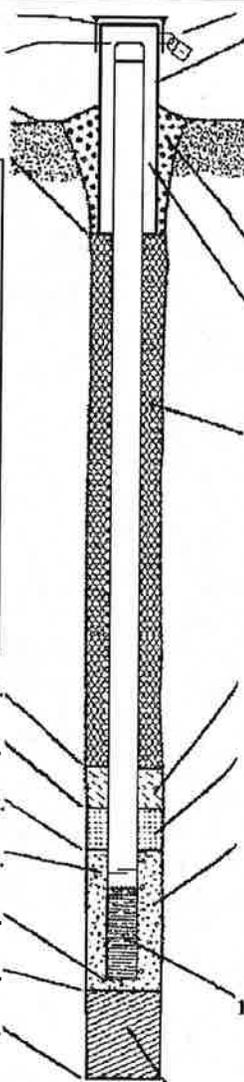
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Coneprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: 4 in.
  - b. Length: 5 ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other  Native Soil
- 4. Material between well casing and protective pipe: Bentonite  30  
Other  Sand
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
f. How installed: Tremie 01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
a. \_\_\_\_\_  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
a. Reddhat #40  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other
- 10. Screen material: PVC  
a. Screen type: Factory cut  11  
Continuous slot  01  
Other
- b. Manufacturer Monoflex  
c. Slot size: 0.019 in.  
d. Slotted length: 10 ft.
- 11. Backfill material (below filter pack): None  14  
Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top 1104.01 ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top 1102.01 ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom 1092.01 ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom 1089.41 ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter 2.4 in.
- M. O.D. well casing 1.2 in.
- N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parson Firm WGNHS

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL 08 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>29</u>	Wis. Unique Well Number <u>VQ824</u>
		DNR Well ID Number _____

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other \_\_\_\_\_

3. Time spent developing well 45 min.

4. Depth of well (from top of well casing) 30.0 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.2 gal.

7. Volume of water removed from well 15.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results) NA

11. Depth to Water (from top of well casing)

	<u>Before Development</u>	<u>After Development</u>
a.	<u>22.17</u> ft.	<u>22.18</u> ft.

Date b. 07/16/2018 07/16/2018  
m m d d y y y y m m d d y y y y

Time c. 11:25  a.m.  p.m. 12:10  a.m.  p.m.

12. Sediment in well bottom 8.5 inches 0.0 inches

13. Water clarity

Clear <input type="checkbox"/> 10	Clear <input type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 15	Turbid <input checked="" type="checkbox"/> 25
(Describe) <u>Brown opaque</u>	(Describe) <u>Light Brown slight - mod. turbidity</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm  
First Name: Peter Last Name: Chase  
Firm: WGNHS

17. Additional comments on development:  
DTB 29.34 pre-development  
2.5 stick up

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

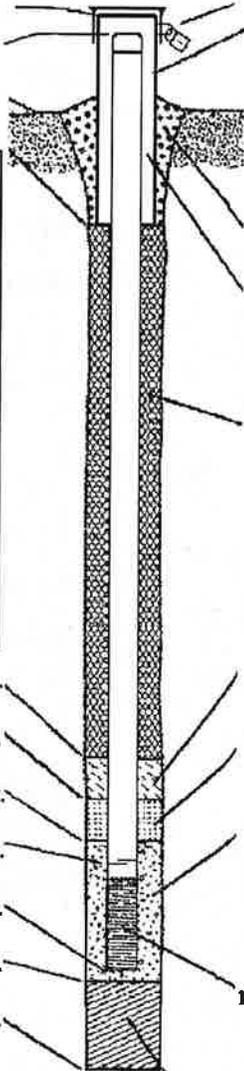
Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>LL-09 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>44.20542</u> Long. <u>-89.45637</u> or	Wis. Unique Well No. <u>V0825</u> DNR Well ID No.
Facility ID <u>WLD=70002302</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/16/2018</u> m m d d y y y y
Type of Well Well Code <u>11/MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Grage Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>1117.89</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1117.71</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>1115.52</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <u>Sand</u> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Geoprobe</u> Other <input checked="" type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint #40</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>N/A</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <u>Mono flex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.
G. Filter pack, top <u>1101.91</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>1099.91</u> ft. MSL or _____ ft.	
I. Well bottom <u>1089.91</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>1090.52</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>1.2</u> in.	
N. I.D. well casing <u>1.0</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael D. Parson Firm WGNHS

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL09 (Site ID)</u>
Facility License, Permit or Monitoring Number	County Code <u>79</u>	Wis. Unique Well Number <u>WQ825</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other

3. Time spent developing well 35 min.

4. Depth of well (from top of well casing) 27.8 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 15.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>18.64</u> ft.	<u>18.64</u> ft.
Date	b. <u>07/16/2018</u> m m d d y y y y	<u>07/16/2018</u> m m d d y y y y
Time	c. <u>17:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>17:35</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>14.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown</u> <u>Opaque</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:  
DTB 26-25 pre-development

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael P. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Central Sands Lakes study</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>LL09B (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <b>44.20542</b> Long. <b>-89.45636</b>	Wis. Unique Well No. DNR Well ID No. <b>W0844</b>
Facility ID <b>WID = 70002322</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>11/14/2018</b>
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Dmy Kapigi OnSite Environmental</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	
	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

- A. Protective pipe, top elevation **1117.91** ft. MSL  
 B. Well casing, top elevation **1117.98** ft. MSL  
 C. Land surface elevation **1115.37** ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

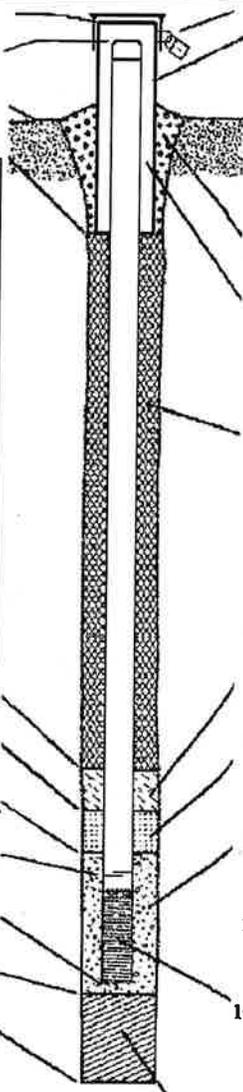
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  5 0  
**Gespoke** Hollow Stem Auger  4 1  
 Other

15. Drilling fluid used: Water  0 2 Air  0 1  
 Drilling Mud  0 3 None  9 9

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
**San Prairie**



1. Cap and lock?  Yes  No
2. Protective cover pipe:  
 a. Inside diameter: **4** in.  
 b. Length: **5** ft.  
 c. Material: Steel  0 4  
 Other
- d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_
3. Surface seal: Bentonite  3 0  
 Concrete  0 1  
 Other
4. Material between well casing and protective pipe:  
**Sand** Bentonite  3 0  
 Other
5. Annular space seal: a. Granular/Chipped Bentonite  3 3  
 b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  3 5  
 c. \_\_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  3 1  
 d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  5 0  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  0 1  
 Tremie pumped  0 2  
 Gravity  0 8
6. Bentonite seal: a. Bentonite granules  3 3  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  3 2  
 c. \_\_\_\_\_ Other
7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
8. Filter pack material: Manufacturer, product name & mesh size  
**Red Flint #40 Native**  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
9. Well casing: Flush threaded PVC schedule 40  2 3  
 Flush threaded PVC schedule 80  2 4  
 Other
10. Screen material: **PVC**  
 a. Screen type: Factory cut  1 1  
 Continuous slot  0 1  
 Other   
 b. Manufacturer **Monoflex**  
 c. Slot size: **0.010** in.  
 d. Slotted length: **5** ft.
11. Backfill material (below filter pack): None  1 4  
 Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 G. Filter pack, top **1049.28** ft. MSL or \_\_\_\_\_ ft.  
 H. Screen joint, top **1047.28** ft. MSL or \_\_\_\_\_ ft.  
 I. Well bottom **1042.28** ft. MSL or \_\_\_\_\_ ft.  
 J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 K. Borehole, bottom **1040.37** ft. MSL or \_\_\_\_\_ ft.  
 L. Borehole, diameter **2.4** in.  
 M. O.D. well casing **1.2** in.  
 N. I.D. well casing **1.0** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature **Michael T. Parker** Firm **WGNHS**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waukegan</u>	Well Name <u>LLO9B (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ 844</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other Water

3. Time spent developing well 65 min.

4. Depth of well (from top of well casing) 75.3 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 1.8 gal.

7. Volume of water removed from well 60 gal.

8. Volume of water added (if any) --- gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>18.33</u> ft.	<u>18.34</u> ft.
Date	b. <u>11/20/2018</u>	<u>11/20/2018</u>
Time	c. <u>09:15</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10:20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.

12. Sediment in well bottom 3.0 inches 0.0 inches

13. Water clarity  
Clear  10 Clear  20  
Turbid  15 Turbid  25  
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids --- mg/l --- mg/l

15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

Facility/Project Name <u>Central Sands Lakes Study</u>		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name <u>LL 10 (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <u>WQ826</u> DNR Well ID No. _____	
Facility ID <u>W10-70002303</u>		Lat. <u>44.20664</u> Long. <u>-89.45761</u> or _____		Date Well Installed <u>07/16/2018</u> m m d d y y y y	
Type of Well Well Code <u>LL/MW</u>		St. Plane _____ ft. N, _____ ft. E. S/C/N		Well Installed By: Name (first, last) and Firm <u>Crage Kapusi</u> <u>Onsite Environmental</u>	
Distance from Waste/ Source _____ ft.		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____, T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Gov. Lot Number _____	
Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known			

- A. Protective pipe, top elevation 1119.39 ft. MSL
- B. Well casing, top elevation 1119.46 ft. MSL
- C. Land surface elevation 1117.10 ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

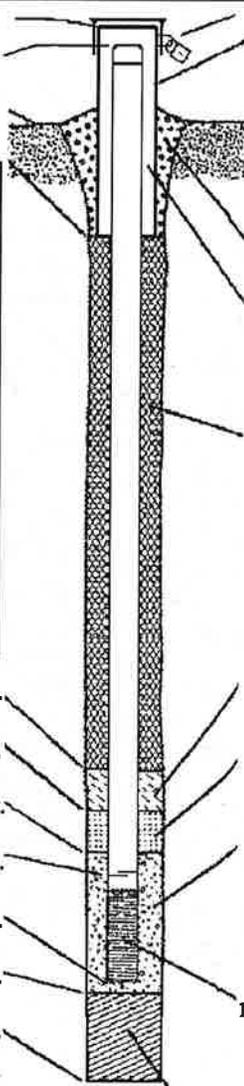
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Cresprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe NA

17. Source of water (attach analysis, if required):  
NA



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: 4 in.
  - b. Length: 5 ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal:
  - Bentonite  30
  - Concrete  01
  - Other  Native Soil
- 4. Material between well casing and protective pipe:
  - Bentonite  30
  - Other  Sand
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50
  - e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
  - a. \_\_\_\_\_
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size
  - a. Red Plast #40 / Native
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing:
  - Flush threaded PVC schedule 40  23
  - Flush threaded PVC schedule 80  24
  - Other
- 10. Screen material: PVC
  - a. Screen type:
    - Factory cut  11
    - Continuous slot  01
    - Other
  - b. Manufacturer Monoflex
  - c. Slot size: 0.010 in.
  - d. Slotted length: 10 ft.
- 11. Backfill material (below filter pack):
  - None  14
  - Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top 1102.86 ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top 1100.86 ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom 1090.86 ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom 1091.10 ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter 2.4 in. Well PVC deeper than borehole
- M. O.D. well casing 1.2 in.
- N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Palsen Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>LL 10 (Site 10)</u>	
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>40826</u>	DNR Well ID Number ---

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other Water

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 28.6 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 15.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>20.29</u> ft.	<u>20.35</u> ft.
Date	b. <u>07/17/2018</u> m m d d y y y y	<u>07/17/2018</u> m m d d y y y y
Time	c. <u>11:55</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12:35</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>13.0</u> inches	<u>1.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Opaque</u> <u>Brown</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Brown</u> <u>Moderate turbidity</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

DTB pre-development = 27.5

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parsen

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parsen

Print Name: Mike Parsen

Firm: WGNHS

## **Plainfield Lake Geoprobe Well & Boring Forms**

- Monitoring Well Construction (4400-113A)
- Monitoring Well Development (4400-113B)
- Borehole Abandonment (3300-05)

PFL01

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <u>Waushara</u>		WI Unique Well # of Removed Well <u>N/A</u>		Hicap # <u>N/A</u>		Facility Name <u>Central Sands Lakes Study</u>	
Latitude / Longitude (see instructions) <u>44.20928</u> N <u>-89.47345</u> W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) <u>WGNHS</u>	
1/4 or Gov't Lot #		Section		Township		License/Permit/Monitoring # <u>WID = 70002281; SITE ID PFL01</u>	
Well Street Address		Range <input type="checkbox"/> E <input type="checkbox"/> W		Original Well Owner		Present Well Owner	
Well City, Village or Town				Well ZIP Code			
Subdivision Name				Lot #		Mailing Address of Present Owner	
Reason for Removal from Service <u>Boring hit refusal</u>				WI Unique Well # of Replacement Well			
City of Present Owner				State		ZIP Code	

3. Filled & Sealed Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) <u>7/10/2018</u>		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input checked="" type="checkbox"/> Borehole / Drillhole		Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <u>Geoprobe borehole</u>		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft.) <u>45'</u>		Casing Diameter (in.) <u>N/A</u>		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Lower Drillhole Diameter (in.) <u>2.4"</u>		Casing Depth (ft.) <u>N/A</u>		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Depth to Water (feet) <u>N/A</u>		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Required Method of Placing Sealing Material	
From (ft.)		To (ft.)		No. Yards, Sacks Sealant or Volume (circle one)		Mix Ratio or Mud Weight	
Surface		45'					

Sealing Materials		For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete		<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
<input type="checkbox"/> Sand-Cement (Concrete) Grout <input checked="" type="checkbox"/> Bentonite Chips		<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used to Fill Well / Drillhole			
<u>Bentonite chips</u>			

6. Comments  
Borehole was abandoned and sealed.

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>Rony Kapugi Onsite Environmental</u>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>7/10/2018</u>	Date Received	Noted By
Street or Route		Telephone Number ( )	Comments	
City	State	ZIP Code	Signature of Person Doing Work	
			Date Signed	

PFL01B

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <u>Waushara</u>	WI Unique Well # of Removed Well <u>N/A</u>	Hicap # <u>N/A</u>	Facility Name <u>Central Sands Lakes Study</u>	Facility ID (FID or PWS) <u>WGNHS</u>	License/Permit/Monitoring # <u>WID = 70002282 ; SITE ID = PFL01B</u>		
Latitude / Longitude (see instructions) <u>44.20930</u> N <u>-89.47345</u> W	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Original Well Owner	Present Well Owner			
Well Street Address	Section	Township <u>N</u>	Range <input type="checkbox"/> E <input type="checkbox"/> W	Mailing Address of Present Owner			
Well City, Village or Town	Well ZIP Code		City of Present Owner      State      ZIP Code				
Subdivision Name	Lot #						

3. Filled & Sealed Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
Reason for Removal from Service <u>Boring hit refusal</u>	WI Unique Well # of Replacement Well	Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <u>7/10/2018</u>	Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole	Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <u>Creeprobe borehole</u>	Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <u>12</u>	Casing Diameter (in.) <u>N/A</u>	Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <u>2.4"</u>	Casing Depth (ft.) <u>N/A</u>	Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) <u>N/A</u>	Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
		If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
		If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

Required Method of Placing Sealing Material		Sealing Materials	
<input type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped	<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Concrete
<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____	<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:		<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<u>Bentonite chips</u>	<u>Surface</u>	<u>12</u>		

6. Comments  
Borehole was abandoned and sealed.

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <u>Tony Kapugi; OnSite Environmental</u>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>7/10/2018</u>	Date Received	Noted By
Street or Route	Telephone Number ( )		Comments	
City	State	ZIP Code	Signature of Person Doing Work	Date Signed

Facility/Project Name <b>Central Sands Lakes Study</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name <b>PFL 02 (SITE 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <b>44.20893</b> Long. <b>-89.47474</b> or	Wis. Unique Well No. <b>V0808</b> DNR Well ID No. _____
Facility ID <b>WID = 70002283</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>07/10/2018</b> m m d d y y y y
Type of Well Well Code <b>11/MW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Tony Kapugi</b> <b>Onsite Environmental</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <b>1124.72</b> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <b>1124.52</b> ft. MSL	2. Protective cover pipe: a. Inside diameter: <b>4</b> in. b. Length: <b>5</b> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <b>1123.45</b> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <b>Native Soil</b> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <b>Geoprobe</b> Other <input checked="" type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <b>Red Hat #40 / Native</b> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <b>NIA</b>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <b>PVC</b> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <b>Mono Flex</b> c. Slot size: <b>0.010</b> in. d. Slotted length: <b>10</b> ft.
G. Filter pack, top <b>1401.12</b> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <b>1099.12</b> ft. MSL or _____ ft.	
I. Well bottom <b>1089.12</b> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <b>1087.08</b> ft. MSL or _____ ft.	
L. Borehole, diameter <b>2.4</b> in.	
M. O.D. well casing <b>1.2</b> in.	
N. I.D. well casing <b>1.0</b> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.  
Signature **Michael G. Patsen** Firm **WGNHS**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PFL 02 (Site ID)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ808</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Water
3. Time spent developing well 40 min.
4. Depth of well (from top of well casing) 35.4 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 10.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |   | Before Development  | After Development  |
|---|---|--|
| 11. Depth to Water (from top of well casing)                              | a. <u>25.64</u> ft.   | <u>25.64</u> ft.   |
| Date  | b. <u>07/10/2018</u><br>m m d d y y y y   | <u>07/10/2018</u><br>m m d d y y y y   |
| Time  | c. <u>16:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                        | <u>16:40</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.              |
| 12. Sediment in well bottom   | <u>2</u> inches   | <u>0</u> inches  |
| 13. Water clarity   | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Brown</u> | Clear <input checked="" type="checkbox"/> 20<br>Turbid <input type="checkbox"/> 25<br>(Describe) |
| Fill in if drilling fluids were used and well is at solid waste facility: |   |  |
| 14. Total suspended solids  | <u>61</u> mg/l  | mg/l   |
| 15. COD   | mg/l  | mg/l   |

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chale

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael D Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

Drinking Water       Watershed/Wastewater       Remediation/Redevelopment

Waste Management       Other: \_\_\_\_\_

1. Well Location Information				2. Facility / Owner Information			
County <b>Waushara</b>		WI Unique Well # of Removed Well <b>N/A</b>		Hicap # <b>N/A</b>		Facility Name <b>Central Sands Lakes Study</b>	
Latitude / Longitude (see instructions) <b>44.20892</b> N <b>-89.47474</b> W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) <b>WGNHS</b>	
1/4 / 1/4 or Gov't Lot #		Section		Township		License/Permit/Monitoring # <b>WID = 70002284; Site ID = PFL02B</b>	
Well Street Address		Range <input type="checkbox"/> E <input type="checkbox"/> W		Original Well Owner		Present Well Owner	
Well City, Village or Town				Well ZIP Code			
Subdivision Name				Lot #			
Reason for Removal from Service <b>Exploratory boring</b>				WI Unique Well # of Replacement Well			
City of Present Owner		State		ZIP Code			

3. Filled & Sealed Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Water Well		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole		Liner(s) perforated? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Original Construction Date (mm/dd/yyyy) <b>7/10/2018</b>		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
If a Well Construction Report is available, please attach.		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <b>Geoprobe Borehole</b>		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) <b>35</b>		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Casing Diameter (in.) <b>N/A</b>		If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) <b>2.4</b>		If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Casing Depth (ft.) <b>N/A</b>		Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input checked="" type="checkbox"/> Conductor Pipe-Pumped <input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown		Sealing Materials <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips			
If yes, to what depth (feet)?		For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input checked="" type="checkbox"/> Bentonite - Sand Slurry			
Depth to Water (feet) <b>25</b>					

5. Material Used to Fill Well / Drillhole			
From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<b>35</b>		
<b>Bentonite chips &amp; slurry below water table</b>			

6. Comments  
**Borehole was abandoned and sealed.**

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <b>Buy Kapiqi OnSite Environments</b>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>7/10/2018</b>	Date Received	Noted By
Street or Route		Telephone Number ( )	Comments	
City	State	ZIP Code	Signature of Person Doing Work	Date Signed

Facility/Project Name <u>Central Sewer (Lakes Well)</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PFL 03 (SITE 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <u>44.20476</u> Long. <u>-89.46942</u> or	Wis. Unique Well No. <u>V0899</u> DNR Well ID No.
Facility ID <u>WID = 70002285</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/09/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Sids. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>1124.27</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1124.35</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4.0</u> in. b. Length: <u>5.0</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>1121.67</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Geoprobe</u> Other <input checked="" type="checkbox"/>	
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	
17. Source of water (attach analysis, if required): <u>NIA</u>	
E. Bentonite seal, top _____ ft. MSL or _____ ft.	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
G. Filter pack, top <u>1099.65</u> ft. MSL or _____ ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
H. Screen joint, top <u>1097.65</u> ft. MSL or _____ ft.	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
I. Well bottom <u>1087.65</u> ft. MSL or <u>36.7</u> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint #40</u> b. Volume added _____ ft <sup>3</sup>
J. Filter pack, bottom _____ ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
K. Borehole, bottom <u>1086.67</u> ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter <u>2.4</u> in.	b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.
M. O.D. well casing <u>1.2</u> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
N. I.D. well casing <u>1.0</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael D. Parson Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PFL 03 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>YQ809</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other <u>Water</u>	<input checked="" type="checkbox"/>	

3. Time spent developing well 45 min.

4. Depth of well (from top of well casing) 36.7 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 13.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>25.82</u> ft.	<u>25.83</u> ft.
Date	b. <u>07/09/2018</u> m m d d y y y y	<u>07/09/2018</u> m m d d y y y y
Time	c. <u>13:50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>14:35</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>20</u> inches	<u>0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Dark Reddish Brown Opaque</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Light Reddish Brown Slight Turbidity</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	<u>---</u> mg/l	<u>---</u> mg/l
15. COD	<u>---</u> mg/l	<u>---</u> mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sand Lake Study</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>PFL04 (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNMS</u>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>		Wis. Unique Well No. <u>10810</u> DNR Well ID No. <u>---</u>	
Facility ID <u>WID= 70002786</u>		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed <u>02/09/2018</u> m m d d y y y y	
Type of Well Well Code <u>11 / MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>Onsite Environmental</u>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	

<p>A. Protective pipe, top elevation <u>1108.10</u> ft. MSL</p> <p>B. Well casing, top elevation <u>1107.97</u> ft. MSL</p> <p>C. Land surface elevation <u>1105.84</u> ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p>		<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/> <input type="checkbox"/> d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input checked="" type="checkbox"/> <input type="checkbox"/> <u>Native Soil</u></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/> <input type="checkbox"/> <u>Sand</u></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft<sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/> <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size a. _____ b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size a. <u>Native Soil</u> b. Volume added <u>0</u> ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/> <input type="checkbox"/></p> <p>10. Screen material: <u>SDA 40 PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/> <input type="checkbox"/> b. Manufacturer <u>Mono Flex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/> <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael D. Parker Firm WGNMS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PFL04 (Site ID)</u>	
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ810</u>	DNR Well ID Number ---

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Water
3. Time spent developing well 40 min.  
\*
4. Depth of well (from top of well casing) 19.9 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.4 gal.
7. Volume of water removed from well 10.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>5.88</u> ft.   | <u>5.99</u> ft.  |
| Date   | b. <u>07/10/2018</u><br>m m d d y y y y  | <u>07/10/2018</u><br>m m d d y y y y   |
| Time   | c. <u>07:50</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.                                   | <u>08:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.  |
| 12. Sediment in well bottom                  | <u>6.0</u> inches  | <u>0.1</u> inches  |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Red brown opaque</u> | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>Red brown moderate turbidity</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm  
 First Name: Peter Last Name: Chase  
 Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sand Lake Study</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>PFL 05 (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <u>44.20747</u> Long. <u>-89.46895</u> or		Wis. Unique Well No. <u>VQ811</u> DNR Well ID No.	
Facility ID <u>W10 = 70002287</u>		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed <u>07/19/2018</u> m m d d y y y y	
Type of Well Well Code <u>11 / MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Craig Kapugi</u> <u>Onsite Environmental</u>	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
		Gov. Lot Number _____			

<p>A. Protective pipe, top elevation <u>1115.97</u> ft. MSL</p> <p>B. Well casing, top elevation <u>1115.72</u> ft. MSL</p> <p>C. Land surface elevation <u>1113.51</u> ft. MSL</p> <p>D. Surface seal, bottom. _____ ft. MSL or _____ ft.</p>	<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/> <u>Native Soil</u></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/> <u>Sand</u></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft<sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size a. _____ b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size a. <u>Red Flat #40 / Native</u> b. Volume added _____ ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/></p> <p>10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/></p> <p>b. Manufacturer <u>Mono-flex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/></p>
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12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
Cragprobe Other

15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA

<p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top <u>1100.52</u> ft. MSL or _____ ft.</p> <p>H. Screen joint, top <u>1098.52</u> ft. MSL or _____ ft.</p> <p>I. Well bottom <u>1088.52</u> ft. MSL or _____ ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom <u>1088.51</u> ft. MSL or _____ ft.</p> <p>L. Borehole, diameter <u>2.4</u> in.</p> <p>M. O.D. well casing <u>1.2</u> in.</p> <p>N. I.D. well casing <u>1.0</u> in.</p>	
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael P. Pober Firm WGNHS

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PFL 05 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ 811</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other water

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 27.2 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>16.80</u> ft.	<u>16.81</u> ft.
Date	b. <u>07/11/2018</u> m m d d y y y y	<u>07/11/2018</u> m m d d y y y y
Time	c. <u>08:10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>08:50</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.

12. Sediment in well bottom 7.0 inches 0.5 inches

13. Water clarity

Clear <input type="checkbox"/>	Turbid <input checked="" type="checkbox"/>	Clear <input type="checkbox"/>	Turbid <input checked="" type="checkbox"/>
10	15	20	25
(Describe)		(Describe)	
<u>Brown</u>		<u>Brown</u>	
<u>Opaque</u>		<u>Slight/moderate turbidity</u>	

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids --- mg/l --- mg/l

15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael D Parson

Print Name: Mike Parson

Firm: WGNHS

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PFL 07 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <u>44.20548</u> Long. <u>-89.46732</u> or	Wis. Unique Well No. <u>VQ812</u> DNR Well ID No.
Facility ID <u>WID=7002288</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/11/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Grage Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
	Gov. Lot Number _____	

A. Protective pipe, top elevation <u>1106.26</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1106.13</u> MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>1103.51</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <u>Sand</u> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Geoprobe</u> Other <input checked="" type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe <u>NA</u>	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Red Flint #40/Native</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>N/A</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <u>Monoflex</u> c. Slot size: 0.010 in. d. Slotted length: <u>19</u> ft.
G. Filter pack, top <u>1102.03</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>1100.03</u> ft. MSL or _____ ft.	
I. Well bottom <u>1090.03</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>1088.51</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>1.2</u> in.	
N. I.D. well casing <u>1.0</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael P. Posen Firm WGNHS

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PFL 07 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>V0812</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other water

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 16.1 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>7.52</u> ft.	<u>7.55</u> ft.
Date	b. <u>07/11/2018</u> m m d d y y y y	<u>07/11/2018</u> m m d d y y y y
Time	c. <u>10:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>3.5</u> inches	<u>0.5</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown opaque</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Brown Moderate Turbidity</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids --- mg/l --- mg/l

15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael G. Parson

Print Name: Mike Parson

Firm: WGNHS

Facility/Project Name <u>Central Sands Lakes Body</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PFL 09 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <u>44.20490</u> Long. <u>-89.47159</u> or	Wis. Unique Well No. <u>VQ813</u> DNR Well ID No.
Facility ID <u>WID = 70002289</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/09/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>1136.50</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1136.10</u> MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>1134.07</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <u>Sand</u> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Geoprobe</u> Other <input checked="" type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Native / Red Flat #40</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>NA</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.
G. Filter pack, top <u>1102.50</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>1100.50</u> ft. MSL or _____ ft.	
I. Well bottom <u>1090.50</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>1089.07</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>1.2</u> in.	
N. I.D. well casing <u>1.0</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Pater Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PFL09 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>10813</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Water Pump

3. Time spent developing well 55 min.

4. Depth of well (from top of well casing) 45.6 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.2 gal.

7. Volume of water removed from well 9.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>37.59</u> ft.	<u>37.54</u> ft.
Date	b. <u>07/09/2018</u> m m d d y y y y	<u>07/09/2018</u> m m d d y y y y
Time	c. <u>14:45</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>15:40</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.

12. Sediment in well bottom --- inches --- inches

13. Water clarity

Clear <input type="checkbox"/>	10	Clear <input type="checkbox"/>	20
Turbid <input checked="" type="checkbox"/>	15	Turbid <input type="checkbox"/>	25
(Describe)	<u>Red brown</u>	(Describe)	<u>light red brown</u>
	<u>opaque</u>		<u>slight turbidity</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids --- mg/l --- mg/l

15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Lost 3" water valve to bottom of well

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

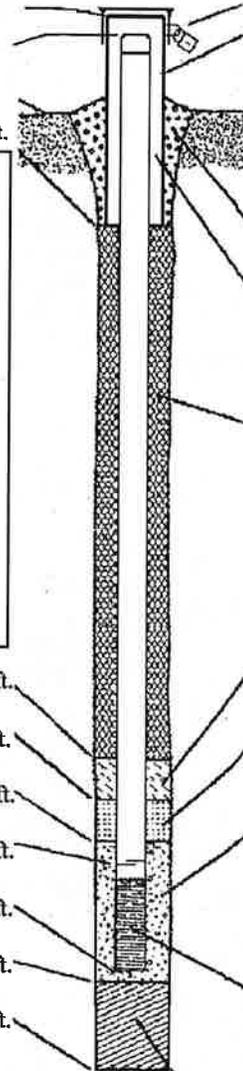
I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

Facility/Project Name <b>Central Sands Lakes Study</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>PFL 11 (Site ID)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>	Wis. Unique Well No. <b>VO814</b> DNR Well ID No.
Facility ID <b>WID = 70002290</b>	Lat. <b>44.20541</b> Long. <b>-89.47460</b> or	Date Well Installed <b>07/09/2018</b> m m d d y y v v
Type of Well Well Code <b>11 MW</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Well Installed By: Name (first, last) and Firm <b>Caage Kapugi Onsite Environmental</b>
Distance from Waste/Source _____ ft.	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	
Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
	Gov. Lot Number _____	

<p>A. Protective pipe, top elevation <b>1150.65</b> ft. MSL</p> <p>B. Well casing, top elevation <b>1150.52</b> ft. MSL</p> <p>C. Land surface elevation <b>1148.29</b> ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen:                  GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/>                  SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/>                  Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0                  Hollow Stem Auger <input type="checkbox"/> 4 1  <b>Creaprobe</b> Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1                  Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                  Describe _____</p> <p>17. Source of water (attach analysis, if required):  <b>NA</b></p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top <b>1101.12</b> ft. MSL or _____ ft.</p> <p>H. Screen joint, top <b>1099.12</b> ft. MSL or _____ ft.</p> <p>I. Well bottom <b>1089.12</b> ft. MSL or _____ ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom <b>1088.29</b> ft. MSL or _____ ft.</p> <p>L. Borehole, diameter <b>2.4</b> in.</p> <p>M. O.D. well casing <b>1.2</b> in.</p> <p>N. I.D. well casing <b>1.0</b> in.</p>	 <p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe:                  a. Inside diameter: <b>4</b> in.                  b. Length: <b>5</b> ft.                  c. Material: Steel <input checked="" type="checkbox"/> 0 4                  Other <input type="checkbox"/></p> <p>d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                  If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0                  Concrete <input type="checkbox"/> 0 1                  Other <input checked="" type="checkbox"/></p> <p>4. Material between well casing and protective pipe:  <b>Sand</b> Bentonite <input type="checkbox"/> 3 0                  Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3                  b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5                  c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 3 1                  d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 5 0                  e. _____ Ft<sup>3</sup> volume added for any of the above                  f. How installed: Tremie <input type="checkbox"/> 0 1                  Tremie pumped <input type="checkbox"/> 0 2                  Gravity <input checked="" type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3                  b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2                  c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size                  a. _____                  b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size                  a. <b>Redskat #40 / Native</b>                  b. Volume added _____ ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3                  Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4                  Other <input type="checkbox"/></p> <p>10. Screen material: <b>PVC</b>                  a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1                  Continuous slot <input type="checkbox"/> 0 1                  Other <input type="checkbox"/>                  b. Manufacturer <b>Monoflex</b>                  c. Slot size: <b>0.050</b> in.                  d. Slotted length: <b>1.0</b> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4                  Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael J. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PFL11 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>V0814</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Washara
3. Time spent developing well 50 min.
4. Depth of well (from top of well casing) 61.4 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 9.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>51.94</u> ft.  | <u>51.95</u> ft.   |
| Date   | b. <u>07/09/2018</u><br>m m d d y y y y  | <u>07/09/2018</u><br>m m d d y y y y   |
| Time   | c. <u>16:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                                   | <u>17:10</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.  |
| 12. Sediment in well bottom                  | <u>0.2</u> inches  | <u>0.0</u> inches  |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Red brown opaque</u> | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>Red brown moderate turbidity</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids ----- mg/l ----- mg/l
15. COD ----- mg/l ----- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

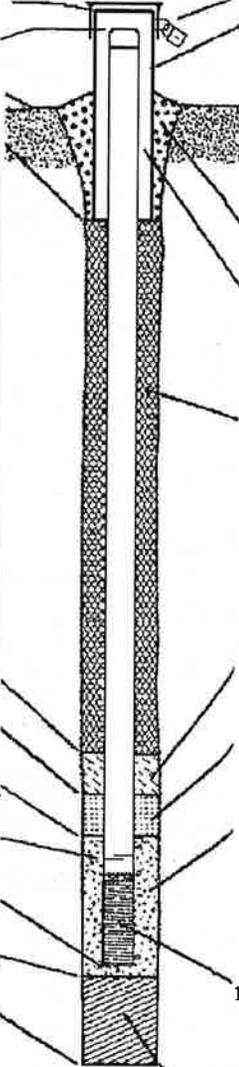
Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sand Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PFL 13 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <u>44.20763</u> Long. <u>-89.47721</u> or	Wis. Unique Well No. <u>VQ815</u> DNR Well ID No. _____
Facility ID <u>WID = 70002291</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/19/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>1107.25</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1107.09</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>1104.74</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <u>Native Soil</u> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Cone probe</u> Other <input checked="" type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added <u>0</u> ft <sup>3</sup>
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Native Soil</u> b. Volume added <u>0</u> ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>NA</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <u>ManoFlex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.
G. Filter pack, top <u>1100.39</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>1098.39</u> ft. MSL or _____ ft.	
I. Well bottom <u>1088.39</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>1084.74</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>1.2</u> in.	
N. I.D. well casing <u>1.0</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael G. Pater Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PFL 13 (Site ID)</u>	
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>V0815</u>	DNR Well ID Number ---

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other Water

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 18.7 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>8.49</u> ft.	<u>8.46</u> ft.
Date	b. <u>07/19/2018</u> m m d d y y y y	<u>07/10/2018</u> m m d d y y y y
Time	c. <u>09:20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>6.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown</u> <u>opaque</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Light brown</u> <u>Slight turbidity</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

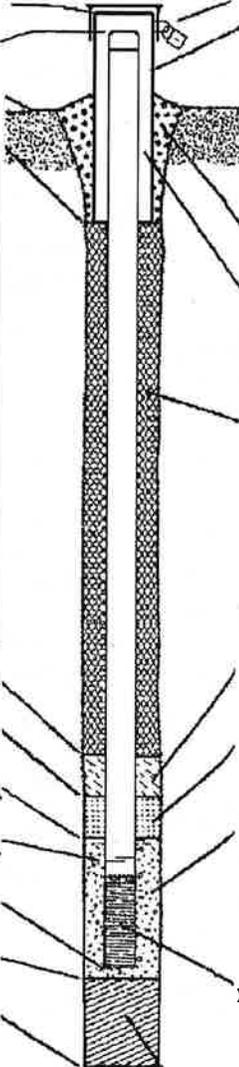
Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PFL 14 (Site ID)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <u>44.20645</u> Long. <u>-89.47664</u> or	Wis. Unique Well No. <u>VG816</u> DNR Well ID No.
Facility ID <u>WID = 70002291</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/11/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Grage Kapvaj</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>1151.86</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1151.88</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <u>1148.91</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Geoprobe</u> Other <input checked="" type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>Redflint #40</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>N/A</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <u>Mangflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.
G. Filter pack, top <u>1102.08</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <u>1100.08</u> ft. MSL or _____ ft.	
I. Well bottom <u>1090.08</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>1088.91</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>1.42</u> in.	
N. I.D. well casing <u>1.0</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael J. Parker Firm WGNHS

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waukesha</u>	Well Name <u>PFL 14 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>Y0816</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Water
3. Time spent developing well 30 min.
4. Depth of well (from top of well casing) 61.8 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 10.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>53.45</u> ft.  | <u>53.48</u> ft.   |
| Date   | b. <u>07/11/2018</u><br>m m d d y y y y  | <u>07/11/2018</u><br>m m d d y y y y   |
| Time   | c. <u>09:20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.   | <u>09:50</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.  |
| 12. Sediment in well bottom                  | <u>4.0</u> inches  | <u>0.0</u> inches  |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Brown</u><br><u>Opaque</u> | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>Brown</u><br><u>Moderate turbidity</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Central Sands Lakes Study</b>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <b>PFL15 (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <b>44.20902</b> Long. <b>-89.47022</b>	Wis. Unique Well No. <b>VQ840</b> DNR Well ID No. _____
Facility ID <b>WID = 70002318</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>06/20/2019</b> m m d d y y y y
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Dny Kapuji OnSite Environmental</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

- A. Protective pipe, top elevation **1118.58** ft. MSL
- B. Well casing, top elevation **1118.35** ft. MSL
- C. Land surface elevation **1118.58** ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

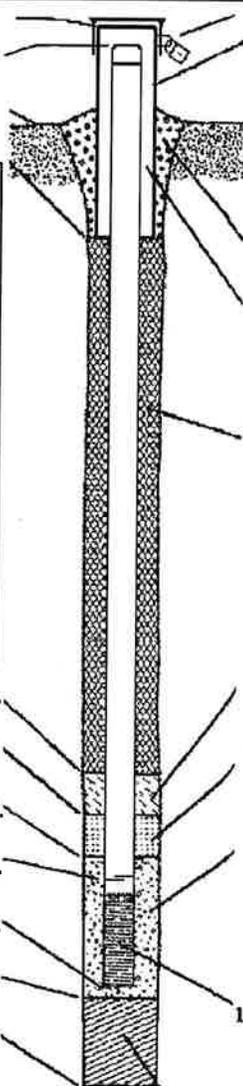
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Geoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
N/A



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: **4** in.
  - b. Length: **5** ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other   
Native Soil
- 4. Material between well casing and protective pipe: Bentonite  30  
Other   
Sand
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
a. \_\_\_\_\_  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
a. Red Flint #40 / Native  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other
- 10. Screen material: PVC  
a. Screen type: Factory cut  11  
Continuous slot  01  
Other   
b. Manufacturer Monoflex  
c. Slot size: **0.010** in.  
d. Slotted length: **10** ft.
- 11. Backfill material (below filter pack): None  14  
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael P. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waukegan</u>	Well Name <u>PFL15 (Site 10)</u>	
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ840</u>	DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other Water

3. Time spent developing well 55 min.

4. Depth of well (from top of well casing) 26.6 ft.

5. Inside diameter of well 1.05 in.

6. Volume of water in filter pack and well casing 0.4 gal.

7. Volume of water removed from well 40 gal.

8. Volume of water added (if any) --- gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

11. Depth to Water Before Development After Development

(from top of well casing) a. 17.80 ft. 17.80 ft.

Date b. 11/20/2018 11/20/2018  
m m d d y y y y m m d d y y y y

Time c. 14:05  a.m.  p.m. 15:00  a.m.  p.m.

12. Sediment in well bottom 3.0 inches 0.0 inches

13. Water clarity Clear  10 Clear  20  
Turbid  15 Turbid  25  
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids --- mg/l --- mg/l

15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson  
Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

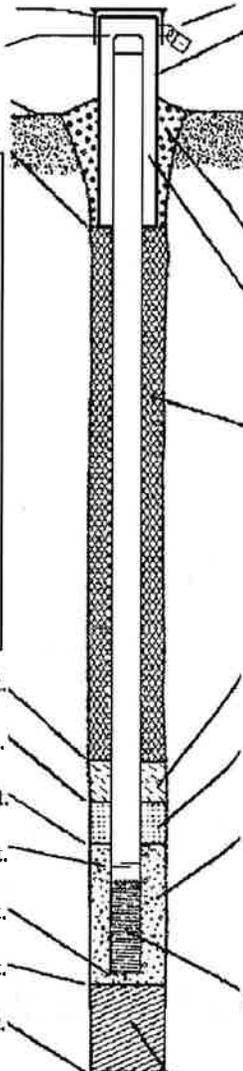
Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

Facility/Project Name <b>Central Sands Lakes study</b>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <b>PFL 16 (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/>	Wis. Unique Well No. <input type="checkbox"/> DNR Well ID No. <input type="checkbox"/>
Facility ID <b>WID = 70002324</b>	Lat. <b>44.20294</b> Long. <b>-89.47359</b>	Date Well Installed <b>06/20/2019</b> m m d d y y y y
Type of Well Well Code <b>11 / MW</b>	St. Plane _____ ft. N, _____ ft. E. S/C/N	Well Installed By: Name (first, last) and Firm <b>Dny Kapji OnSite Environmental</b>
Distance from Waste/ Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation <b>1134.92</b> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <b>1134.80</b> ft. MSL	2. Protective cover pipe: a. Inside diameter: <b>4</b> in. b. Length: <b>5</b> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation <b>1132.12</b> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: _____ Concrete <input type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <b>Sand</b> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 <b>Geoprobe</b> Hollow Stem Auger <input type="checkbox"/> 41 Other <input checked="" type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe: _____	8. Filter pack material: Manufacturer, product name & mesh size a. <b>Red Flint #40 Native</b> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <b>N/A</b>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <b>PVC</b> a. Screen type: _____ Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <b>Monoflex</b> c. Slot size: <b>0.010</b> in. d. Slotted length: <b>10</b> ft.
G. Filter pack, top <b>1106.8</b> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top <b>1104.8</b> ft. MSL or _____ ft.	
I. Well bottom <b>1094.8</b> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <b>1095.2</b> ft. MSL or _____ ft.	
L. Borehole, diameter <b>2.4</b> in.	
M. O.D. well casing <b>1.2</b> in.	
N. I.D. well casing <b>1.0</b> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Michael T. Parker Firm: WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waukesha</u>	Well Name <u>PFL 16 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>10845</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other Water

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 39.3 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 29 gal.

7. Volume of water removed from well 20 gal.

8. Volume of water added (if any) --- gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>32.27</u> ft.	<u>32.29</u> ft.
Date	b. <u>07/17/2019</u> m m d d y y y y	<u>07/19/2019</u> m m d d y y y y
Time	c. <u>13:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>13:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>---</u> inches	<u>---</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>dark brown</u> <u>Sandy</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>light brown</u> <u>to opaque</u>
14. Total suspended solids	<u>---</u> mg/l	<u>---</u> mg/l
15. COD	<u>---</u> mg/l	<u>---</u> mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

17. Additional comments on development:

\* Bot. well after development = 40.0 below Top PVC

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name <b>Central Sands Lakes Study</b>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <b>PFL 17 (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <b>44.20147</b> Long. <b>-89.46886</b>	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID <b>WID = 70002325</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>06/20/2019</b> m m d d y y v v v y
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Dony Kapigi</b> <b>OnSite Environmental</b>
Distance from Waste/ Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

- A. Protective pipe, top elevation **1126.83** ft. MSL
- B. Well casing, top elevation **1126.59** ft. MSL
- C. Land surface elevation **1123.92** ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

13. Sieve analysis performed?  Yes  No

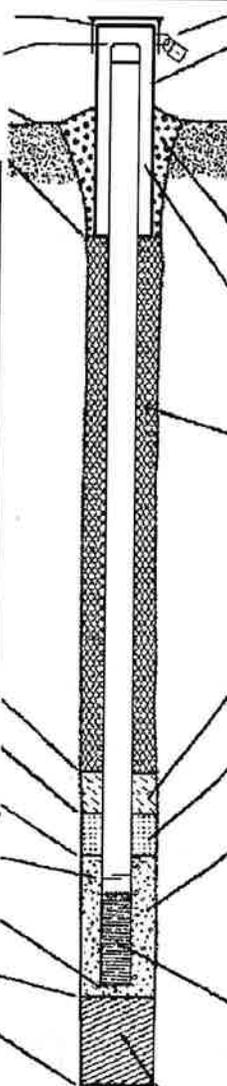
14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Geoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
**N/A**



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: **4** in.
  - b. Length: **5** ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe: Sand  
Bentonite  30  
Other
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
a. \_\_\_\_\_  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
a. **Red Flint #40 / Native**  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other
- 10. Screen material: **PVC**  
a. Screen type: Factory cut  11  
Continuous slot  01  
Other   
b. Manufacturer **Monoflex**  
c. Slot size: **0.010** in.  
d. Slotted length: **10** ft.
- 11. Backfill material (below filter pack): None  14  
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Wau Sheva</u>	Well Name <u>PFL 17 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>WQ 846</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Water
3. Time spent developing well 30 min.
4. Depth of well (from top of well casing) 32.94 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 2.9 gal.
7. Volume of water removed from well 30 gal.
8. Volume of water added (if any) --- gal.
9. Source of water added N/A
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>24.62</u> ft.	<u>24.62</u> ft.
Date	b. <u>06/21/2019</u> m m d d y y y y	<u>06/21/2019</u> m m d d y y y y
Time	c. <u>10:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:15</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>4.3</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) <u>light brown</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

17. Additional comments on development:

Bot well after development = 32.90' below Top AZ

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <b>Central Sands Lakes Study</b>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <b>PFL 18 (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <b>44.19948</b> Long. <b>-89.46871</b>	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID <b>WID = 70002326</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N _____	Date Well Installed <b>06/20/2019</b> m m d d y y y y
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. _____ <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Installed By: Name (first, last) and Firm <b>Dony Kapuji</b> <b>OnSite Environmental</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

- A. Protective pipe, top elevation **1119.13** ft. MSL
- B. Well casing, top elevation **1119.24** ft. MSL
- C. Land surface elevation **1116.50** ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

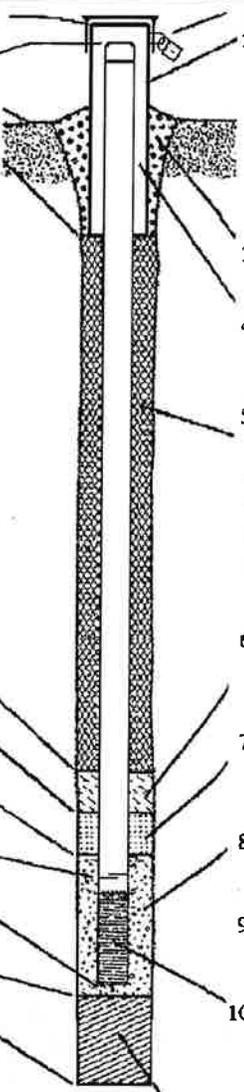
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Geoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NIA



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: **4** in.
  - b. Length: **5** ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe: Sand Bentonite  30  
Other
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35  
c. \_\_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  31  
d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50  
e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
a. \_\_\_\_\_  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
a. Red Flint #40 / Native  
b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
Flush threaded PVC schedule 80  24  
Other
- 10. Screen material: PVC  
a. Screen type: Factory cut  11  
Continuous slot  01  
Other
- b. Manufacturer Monoflex  
c. Slot size: **0.010** in.  
d. Slotted length: **10** ft.
- 11. Backfill material (below filter pack): None  14  
Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top **1105.54** ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top **1103.94** ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom **1093.54** ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom **1091.50** ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter **2.4** in.
- M. O.D. well casing **1.2** in.
- N. I.D. well casing **1.0** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parker Firm WGNHS

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Wauwasha</u>	Well Name <u>PFL 18 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>WQ 847</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other Water

3. Time spent developing well 34 min.

4. Depth of well (from top of well casing) 25.3 ft.

5. Inside diameter of well 1 in.

6. Volume of water in filter pack and well casing 30 gal.

7. Volume of water removed from well 34 gal.

8. Volume of water added (if any) --- gal.

9. Source of water added N/A

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

11. Depth to Water (from top of well casing)

	<u>Before Development</u>	<u>After Development</u>
a.	<u>17.69</u> ft.	<u>17.70</u> ft.

Date b. 06/21/2019 06/21/2019  
m m d d y y y y m m d d y y y y

Time c. 9:32  a.m.  p.m. 10:06  a.m.  p.m.

12. Sediment in well bottom 5.3 inches 0.5 inches

13. Water clarity

Clear <input type="checkbox"/> 10	Clear <input checked="" type="checkbox"/> 20
Turbid <input type="checkbox"/> 15	Turbid <input type="checkbox"/> 25
(Describe) <u>light brown</u>	(Describe) <u>clear</u>
<u>fine sand</u>	

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids --- mg/l --- mg/l

15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

17. Additional comments on development:

well depth after development 25.8' below top PVC

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name <b>Central Sands Lakes Study</b>	Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.	Well Name <b>PFL 19 (Site 10)</b>
Facility License, Permit or Monitoring No. <b>WGNHS</b>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input checked="" type="checkbox"/> Lat. <b>44.20332</b> Long. <b>-89.46944</b>	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID <b>WID = 70002327</b>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <b>06/20/2019</b> m m d d y y v v v y
Type of Well Well Code <b>11 / MW</b>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <b>Dony Kapigi</b> <b>OnSite Environmental</b>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

- A. Protective pipe, top elevation **1117.30** ft. MSL
- B. Well casing, top elevation **1117.45** ft. MSL
- C. Land surface elevation **1114.90** ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

13. Sieve analysis performed?  Yes  No

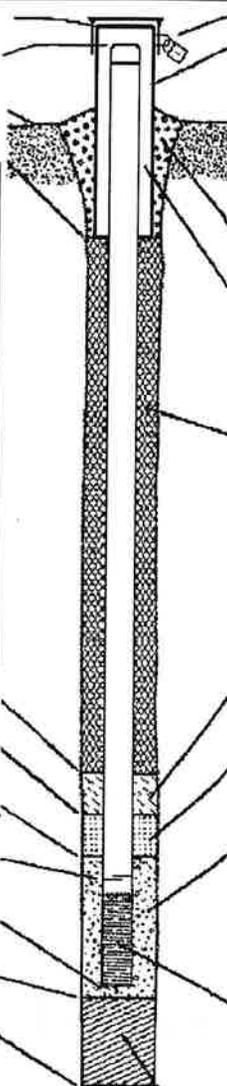
14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Geoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No

Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
**N/A**



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: **4** in.
  - b. Length: **5** ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe: Sand  
Bentonite  30  
Other
- 5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08
- 6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size  
 a. Red Flint #40 / Native  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer Monoflex  
 c. Slot size: **0.010** in.  
 d. Slotted length: **10** ft.
- 11. Backfill material (below filter pack): None  14  
 Other

- E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- G. Filter pack, top **1106.55** ft. MSL or \_\_\_\_\_ ft.
- H. Screen joint, top **1104.55** ft. MSL or \_\_\_\_\_ ft.
- I. Well bottom **1094.55** ft. MSL or \_\_\_\_\_ ft.
- J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.
- K. Borehole, bottom **1094.90** ft. MSL or \_\_\_\_\_ ft.
- L. Borehole, diameter **2.4** in.
- M. O.D. well casing **1.2** in. **PVC well pushed deeper than borehole**
- N. I.D. well casing **1.0** in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parker Firm WGNHS

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waukegan</u>	Well Name <u>PFL 19 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>WQ 848</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other Water
3. Time spent developing well 20 min.
4. Depth of well (from top of well casing) 22.6 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 2.7 gal.
7. Volume of water removed from well 24 gal.
8. Volume of water added (if any) --- gal.
9. Source of water added N/A
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  |                           |                          |
|--|---------------------------|--------------------------|
|  | <u>Before Development</u> | <u>After Development</u> |
|--|---------------------------|--------------------------|
11. Depth to Water (from top of well casing)
- a. 15.3 ft. 15.3 ft.
- Date
- b. 06/21/2019 06/21/2019  
m m d d y y y y m m d d y y y y
- Time
- c. 8:23  a.m. 8:43  a.m.  
 p.m.  p.m.
12. Sediment in well bottom 2.8 inches --- inches
13. Water clarity
- |   |   |
|---|---|
| Clear <input type="checkbox"/> 10             | Clear <input type="checkbox"/> 20             |
| Turbid <input checked="" type="checkbox"/> 15 | Turbid <input checked="" type="checkbox"/> 25 |
| (Describe) <u>light brown</u>                 | (Describe) <u>clear / opaque</u>              |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids --- mg/l --- mg/l
15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Mike Last Name: Parson

Firm: WGNHS

17. Additional comments on development:

well depth after development 22.9 below top PVC

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

PFL20

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water
- Watershed/Wastewater
- Remediation/Redevelopment
- Waste Management
- Other: \_\_\_\_\_

**1. Well Location Information** **2. Facility / Owner Information**

County <b>Waushara</b>		WI Unique Well # of Removed Well <b>N/A</b>		Hicap #		Facility Name <b>Central Sands Lakes Study</b>			
Latitude / Longitude (see instructions) <b>44.20488</b> N <b>-89.46800</b> W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) <b>WGNMS</b>			
1/4 or Gov't Lot #		Section		Township <b>N</b>		Range <input type="checkbox"/> E <input type="checkbox"/> W		License/Permit/Monitoring # <b>WID = 70002328</b> <b>Site ID = PFL20</b>	
Well Street Address						Original Well Owner			
Well City, Village or Town						Present Well Owner			
Subdivision Name						Mailing Address of Present Owner			
Reason for Removal from Service <b>Exploratory Boring</b>						City of Present Owner			
WI Unique Well # of Replacement Well						State		ZIP Code	

**3. Filled & Sealed Well / Drillhole / Borehole Information** **4. Pump, Liner, Screen, Casing & Sealing Material**

<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
<input type="checkbox"/> Water Well		If a Well Construction Report is available, please attach.		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A					
<input checked="" type="checkbox"/> Borehole / Drillhole		Construction Type:		<input type="checkbox"/> Conductor Pipe-Gravity <input checked="" type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____					
<input type="checkbox"/> Drilled		<input type="checkbox"/> Driven (Sandpoint)		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Concrete <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips					
<input checked="" type="checkbox"/> Other (specify): <b>Geoprobe bore hole</b>		<input type="checkbox"/> Dug		<input type="checkbox"/> Bentonite Chips <input checked="" type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry					
Formation Type:		Total Well Depth From Ground Surface (ft.) <b>47</b>		Casing Diameter (in.) <b>N/A</b>		<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock			
Lower Drillhole Diameter (in.) <b>2.4</b>		Casing Depth (ft.) <b>N/A</b>		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown					
Was well annular space grouted?		Depth to Water (feet) <b>20</b>		<input type="checkbox"/> Bentonite - Sand Slurry					

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<b>47</b>		

**6. Comments**

**Bore hole was abandoned and sealed**

**7. Supervision of Work** **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing <b>Pony Kapugi and Environmental</b>		License #		Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>6/19/2019</b>		Date Received		Noted By	
Street or Route				Telephone Number ( )		Comments			
City		State		ZIP Code		Signature of Person Doing Work		Date Signed	

PFL 21

**Well / Drillhole / Borehole Filling & Sealing Report**  
Form 3300-005 (R 4/2015) Page 1 of 2

**Notice:** Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

**Verification Only of Fill and Seal**

**Route to DNR Bureau:**

- Drinking Water       Watershed/Wastewater       Remediation/Redevelopment  
 Waste Management       Other: \_\_\_\_\_

**1. Well Location Information**

County <u>Waukegan</u>	WI Unique Well # of Removed Well <u>N/A</u>	Hicap #
Latitude / Longitude (see instructions) <u>44.20453</u> <u>-89.46874</u>	Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
1/4 / 1/4 or Gov't Lot #	Section	Township <u>N</u>
Well Street Address		Range <input type="checkbox"/> E <input type="checkbox"/> W
Well City, Village or Town		Well ZIP Code
Subdivision Name		Lot #
Reason for Removal from Service <u>Exploratory Boring</u>	WI Unique Well # of Replacement Well	

**2. Facility / Owner Information**

Facility Name <u>Central Sands Lakes Study</u>
Facility ID (FID or PWS) <u>WGNMS</u>
License/Permit/Monitoring # <u>WID = 70002329 Site ID = PFL 21</u>
Original Well Owner
Present Well Owner
Mailing Address of Present Owner
City of Present Owner
State
ZIP Code

**3. Filled & Sealed Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy)
<input type="checkbox"/> Water Well	
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.
Construction Type:	
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input checked="" type="checkbox"/> Other (specify): <u>Geoprobe borehole</u>	<input type="checkbox"/> Dug
Formation Type:	
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Total Well Depth From Ground Surface (ft.) <u>75</u>	Casing Diameter (in.) <u>N/A</u>
Lower Drillhole Diameter (in.) <u>2.4</u>	Casing Depth (ft.) <u>N/A</u>
Was well annular space grouted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown	
If yes, to what depth (feet)?	Depth to Water (feet)

**4. Pump, Liner, Screen, Casing & Sealing Material**

Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Liner(s) perforated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Required Method of Placing Sealing Material	
<input type="checkbox"/> Conductor Pipe-Gravity	<input checked="" type="checkbox"/> Conductor Pipe-Pumped
<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Concrete
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Bentonite Chips	<input checked="" type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

**5. Material Used to Fill Well / Drillhole**

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	<u>75</u>		

**6. Comments**

Borehole was abandoned and sealed

**7. Supervision of Work**

Name of Person or Firm Doing Filling & Sealing <u>Pony Kapugi outside Environmental</u>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <u>6/1/2019</u>	DNR Use Only	
Street or Route	Telephone Number ( )	Comments	Date Received	Noted By
City	State	ZIP Code	Signature of Person Doing Work	Date Signed

PFL22

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water
- Waste Management
- Watershed/Wastewater
- Other: \_\_\_\_\_
- Remediation/Redevelopment

1. Well Location Information

County: Waushara WI Unique Well # of Removed Well: N/A Hicap #: \_\_\_\_\_

Latitude / Longitude (see instructions): 44. 20494 N -89. 46688 W  
 Format Code:  MOD  DDM  
 Method Code:  GPS008  SCR002  OTH001

1/4 / 1/4 \_\_\_\_\_ or Gov't Lot # \_\_\_\_\_ Section \_\_\_\_\_ Township \_\_\_\_\_ Range  E  W

Well Street Address \_\_\_\_\_

Well City, Village or Town \_\_\_\_\_ Well ZIP Code \_\_\_\_\_

Subdivision Name \_\_\_\_\_ Lot # \_\_\_\_\_

Reason for Removal from Service: Exploratory Boring WI Unique Well # of Replacement Well: \_\_\_\_\_

2. Facility / Owner Information

Facility Name: Central Sands Lakes Study

Facility ID (FID or PWS): WGNMS

License/Permit/Monitoring #: WID = 70002330 Site ID: PFL22

Original Well Owner \_\_\_\_\_

Present Well Owner \_\_\_\_\_

Mailing Address of Present Owner \_\_\_\_\_

City of Present Owner \_\_\_\_\_ State \_\_\_\_\_ ZIP Code \_\_\_\_\_

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well  
 Water Well  
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy) \_\_\_\_\_

If a Well Construction Report is available, please attach. \_\_\_\_\_

Construction Type:  
 Drilled  Driven (Sandpoint)  Dug  
 Other (specify): Geoprobe bore hole

Formation Type:  
 Unconsolidated Formation  Bedrock

Total Well Depth From Ground Surface (ft.): 10 Casing Diameter (in.): N/A

Lower Drillhole Diameter (in.): 2.4 Casing Depth (ft.): N/A

Was well annular space grouted?  Yes  No  Unknown

If yes, to what depth (feet)? \_\_\_\_\_ Depth to Water (feet) \_\_\_\_\_

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?  Yes  No  N/A

Liner(s) removed?  Yes  No  N/A

Liner(s) perforated?  Yes  No  N/A

Screen removed?  Yes  No  N/A

Casing left in place?  Yes  No  N/A

Was casing cut off below surface?  Yes  No  N/A

Did sealing material rise to surface?  Yes  No  N/A

Did material settle after 24 hours?  Yes  No  N/A

If yes, was hole retopped?  Yes  No  N/A

If bentonite chips were used, were they hydrated with water from a known safe source?  Yes  No  N/A

Required Method of Placing Sealing Material:  
 Conductor Pipe-Gravity  Conductor Pipe-Pumped  
 Screened & Poured (Bentonite Chips)  Other (Explain): \_\_\_\_\_

Sealing Materials:  
 Neat Cement Grout  Concrete  
 Sand-Cement (Concrete) Grout  Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:  
 Bentonite Chips  Bentonite - Cement Grout  
 Granular Bentonite  Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface	10		
Bentonite slurry			

6. Comments

Bore hole was abandoned and sealed

7. Supervision of Work

Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)	Date Received	Noted By
<u>Pony Kapugi Environmental</u>		<u>6/1/2019</u>		
Street or Route	Telephone Number ( )		Comments	
City	State	ZIP Code	Signature of Person Doing Work	Date Signed

## **Pleasant Lake Geoprobe Well & Boring Forms**

- Monitoring Well Construction (4400-113A)
- Monitoring Well Development (4400-113B)
- Borehole Abandonment (3300-05)

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PSNT.01 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>W6NHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98449</u> Long. <u>-89.55848</u> or	Wis. Unique Well No. <u>Y0827</u> DNR Well ID No. _____
Facility ID <u>WID = 70002304</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/25/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

<p>A. Protective pipe, top elevation <u>1000.25</u> ft. MSL</p> <p>B. Well casing, top elevation <u>1000.09</u> ft. MSL</p> <p>C. Land surface elevation <u>997.30</u> ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p>		<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/> _____ d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input checked="" type="checkbox"/> <u>Native</u></p> <p>4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/> <u>#40 Sand</u></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft<sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/> _____</p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size a. _____ b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size a. <u>RedStart #40</u> b. Volume added _____ ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/> _____</p> <p>10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/> _____ b. Manufacturer <u>Monoplex</u> c. Slot size: 0.010 in. d. Slotted length: <u>10</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/> _____</p>
<p>12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 <u>Geoprobe</u> Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____</p> <p>17. Source of water (attach analysis, if required): <u>NA</u></p>	<p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top <u>986.69</u> ft. MSL or _____ ft.</p> <p>H. Screen joint, top <u>984.69</u> ft. MSL or _____ ft.</p> <p>I. Well bottom <u>974.69</u> ft. MSL or _____ ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom <u>972.30</u> ft. MSL or _____ ft.</p> <p>L. Borehole, diameter <u>2.4</u> in.</p> <p>M. O.D. well casing <u>1.2</u> in.</p> <p>N. I.D. well casing <u>1.0</u> in.</p>	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael D. Pader Firm W6NHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waughara</u>	Well Name <u>P5NT 01 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ827</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 25.4 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 20.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

11. Depth to Water Before Development After Development

a. 17.38 ft. 17.41 ft.  
(from top of well casing)

Date b. 07/25/2018 07/25/2018  
m m d d y y y y m m d d y y y y

Time c. 15:20  a.m.  p.m. 16:00  a.m.  p.m.

12. Sediment in well bottom 2.0 inches 0.0 inches

13. Water clarity Clear  10 Turbid  15  
(Describe) Opaque Brown  
Clear  20 Turbid  25  
(Describe) Moderate Turbidity

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

DTB 25.3 pre-development

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

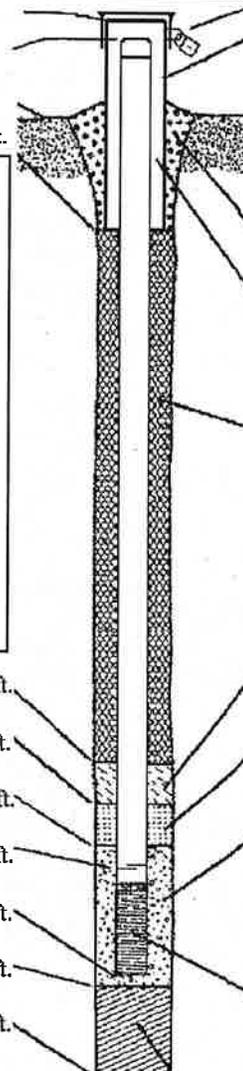
Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PSNT 03 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98230</u> Long. <u>-89.54688</u> or	Wis. Unique Well No. <u>VA828</u> DNR Well ID No. _____
Facility ID <u>W10-70002305</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/17/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Crage Kapugi</u> <u>-OnSite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>996.46</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														
B. Well casing, top elevation <u>996.35</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>														
C. Land surface elevation <u>993.84</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____														
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>														
<table border="1"> <tr> <td colspan="2">12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></td> </tr> <tr> <td>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> <td></td> </tr> <tr> <td>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Core probe</u> Other <input checked="" type="checkbox"/></td> <td></td> </tr> <tr> <td>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</td> <td></td> </tr> <tr> <td>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> <td></td> </tr> <tr> <td colspan="2">Describe _____</td> </tr> <tr> <td colspan="2">17. Source of water (attach analysis, if required): <u>NA</u></td> </tr> </table>		12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Core probe</u> Other <input checked="" type="checkbox"/>		15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Describe _____		17. Source of water (attach analysis, if required): <u>NA</u>	
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>															
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 <u>Core probe</u> Other <input checked="" type="checkbox"/>															
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99															
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															
Describe _____															
17. Source of water (attach analysis, if required): <u>NA</u>															
E. Bentonite seal, top _____ ft. MSL or _____ ft.	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>														
F. Fine sand, top _____ ft. MSL or _____ ft.	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above														
G. Filter pack, top <u>980.75</u> ft. MSL or _____ ft.	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08														
H. Screen joint, top <u>978.75</u> ft. MSL or _____ ft.	6. Bentonite seal: a. Bentonite granules <input checked="" type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>														
I. Well bottom <u>968.75</u> ft. MSL or _____ ft.	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>														
J. Filter pack, bottom _____ ft. MSL or _____ ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40 / Native</u> b. Volume added _____ ft <sup>3</sup>														
K. Borehole, bottom <u>968.84</u> ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>														
L. Borehole, diameter <u>2.4</u> in.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>														
M. O.D. well casing <u>1.2</u> in.	b. Manufacturer <u>Monoplex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.														
N. I.D. well casing <u>1.0</u> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>														



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael D. Patke Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PSNT-03 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VA828</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 35 min.
4. Depth of well (from top of well casing) 27.6 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 15.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  |                           |                          |
|--|---------------------------|--------------------------|
|  | <u>Before Development</u> | <u>After Development</u> |
|--|---------------------------|--------------------------|
11. Depth to Water (from top of well casing)
- a. 19.16 ft. 19.15 ft.
- Date
- b. 07/17/2018 07/17/2018  
m m d d y y y y m m d d y y y y
- Time
- c. 15:45  a.m.  p.m. 16:20  a.m.  p.m.
12. Sediment in well bottom 7.9 inches 0.0 inches
13. Water clarity
- |   |  |
|---|--|
| Clear <input type="checkbox"/> 10             | Clear <input checked="" type="checkbox"/> 20 |
| Turbid <input checked="" type="checkbox"/> 15 | Turbid <input type="checkbox"/> 25           |
| (Describe)                                    | (Describe)                                   |
| <u>Opaque Brown</u>                           |  |
|   |  |
|   |  |
|   |  |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids      mg/l      mg/l
15. COD      mg/l      mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:  
DTB 27.05 pre-development

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Parker

Facility/Firm: WGNHS

Street:     

City/State/Zip:     

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael J. Parker

Print Name: Mike Parker

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

PSNT 04

### Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

**Notice:** Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

**Route to DNR Bureau:**

**Verification Only of Fill and Seal**

- Drinking Water
- Watershed/Wastewater
- Remediation/Redevelopment
- Waste Management
- Other: \_\_\_\_\_

**1. Well Location Information**

County <b>Waushara</b>		WI Unique Well # of Removed Well <b>N/A</b>	Hicap # <b>N/A</b>
Latitude / Longitude (see instructions) <b>43.98784</b> N <b>-89.55634</b> W		Format Code <input checked="" type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input checked="" type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001
1/4 1/4	Section	Township <b>N</b>	Range <input type="checkbox"/> E <input type="checkbox"/> W
or Gov't Lot #			
Well Street Address			
Well City, Village or Town		Well ZIP Code	
Subdivision Name		Lot #	

**2. Facility / Owner Information**

Facility Name <b>Central Sands Lakes Study</b>		
Facility ID (FID or PWS) <b>WGNHS</b>		
License/Permit/Monitoring # <b>WID=70002306 ; SITE ID PSNT04</b>		
Original Well Owner		
Present Well Owner		
Mailing Address of Present Owner		
City of Present Owner	State	ZIP Code

Reason for Removal from Service <b>Boring hit refusal</b>	WI Unique Well # of Replacement Well
--	--------------------------------------

**3. Filled & Sealed Well / Drillhole / Borehole Information**

<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <b>7/17/2018</b>
<input type="checkbox"/> Water Well	
<input checked="" type="checkbox"/> Borehole / Drillhole	If a Well Construction Report is available, please attach.

Construction Type:

Drilled     Driven (Sandpoint)     Dug

Other (specify): **Cneaprobe borehole**

Formation Type:

Unconsolidated Formation     Bedrock

Total Well Depth From Ground Surface (ft.) <b>32'</b>	Casing Diameter (in.) <b>N/A</b>
--	-------------------------------------

Lower Drillhole Diameter (in.) <b>2.4"</b>	Casing Depth (ft.) <b>N/A</b>
---	----------------------------------

Was well annular space grouted?     Yes     No     Unknown

If yes, to what depth (feet)?	Depth to Water (feet) <b>N/A</b>
-------------------------------	-------------------------------------

**4. Pump, Liner, Screen, Casing & Sealing Material**

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Liner(s) perforated?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity     Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips)     Other (Explain): \_\_\_\_\_

Sealing Materials

Neat Cement Grout     Concrete

Sand-Cement (Concrete) Grout     Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips     Bentonite - Cement Grout

Granular Bentonite     Bentonite - Sand Slurry

**5. Material Used to Fill Well / Drillhole**

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<b>Bentonite chips</b>	Surface	<b>32</b>		

**6. Comments**

**Borehole was abandoned and sealed**

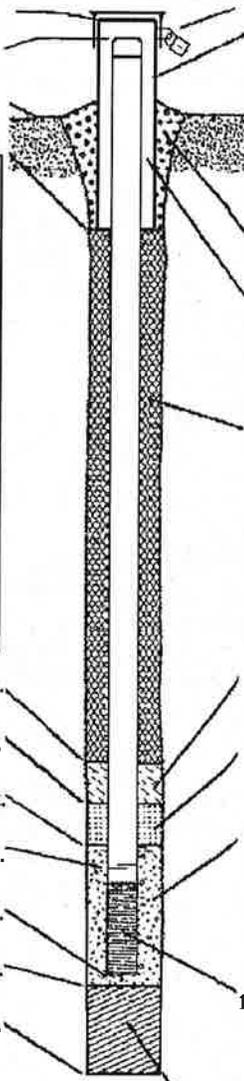
**7. Supervision of Work**

Name of Person or Firm Doing Filling & Sealing <b>Tony Kapugi OnSite Environmental</b>	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) <b>7/17/2018</b>	<b>DNR Use Only</b>	
			Date Received	Noted By
Street or Route		Telephone Number ( )	Comments	

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
------	-------	----------	--------------------------------	-------------

Facility/Project Name <u>Central Sand Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PSNT05 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98672</u> Long. <u>-89.54539</u> or	Wis. Unique Well No. <u>VQ829</u> DNR Well ID No.
Facility ID <u>WID = 70002307</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/17/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Grage Kapugi</u> <u>onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>1023.39</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1023.33</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/>
C. Land surface elevation <u>1021.03</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <u>Native Soil</u> Bentonite <input type="checkbox"/> 3 0 <u>Sand #40</u> Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft <sup>3</sup> volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 <u>Creoprobe</u> Other <input checked="" type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8
15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40 / Native</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>NA</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>1.0</u> ft.
G. Filter pack, top <u>981.03</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/>
H. Screen joint, top <u>979.03</u> ft. MSL or _____ ft.	
I. Well bottom <u>969.03</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>966.03</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>1.2</u> in.	
N. I.D. well casing <u>1.0</u> in.	



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael G. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PSNT05 (Site 1D)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>10829</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 40 min.
4. Depth of well (from top of well casing) 54.3 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.2 gal.
7. Volume of water removed from well 10.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>47.51</u> ft.  | <u>47.52</u> ft.   |
| Date   | b. <u>07/17/2018</u><br>m m d d y y y y  | <u>07/17/2018</u><br>m m d d y y y y   |
| Time   | c. <u>14:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.                               | <u>15:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.  |
| 12. Sediment in well bottom                  | <u>5.0</u> inches  | <u>1.0</u> inches  |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Brown opaque</u> | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>Brown slight turbidity</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids --- mg/l --- mg/l
15. COD --- mg/l --- mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:  
DTB pre-develop = 53.9

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Miguel T. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sands Lakes Study</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <u>PSNT 06 (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98108</u> Long. <u>-89.54892</u> or		Wis. Unique Well No. <u>VQX30</u> DNR Well ID No. _____	
Facility ID <u>WID=39000214</u>		St. Plane _____ ft. N, _____ ft. E. S/C/N		Date Well Installed <u>07/17/2018</u> m m d d y y y y	
Type of Well Well Code <u>11 / MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Craig Kapugi</u> <u>Onsite Environmental</u>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	

A. Protective pipe, top elevation 1002.20 ft. MSL  
 B. Well casing, top elevation 1002.23 ft. MSL  
 C. Land surface elevation 999.77 ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

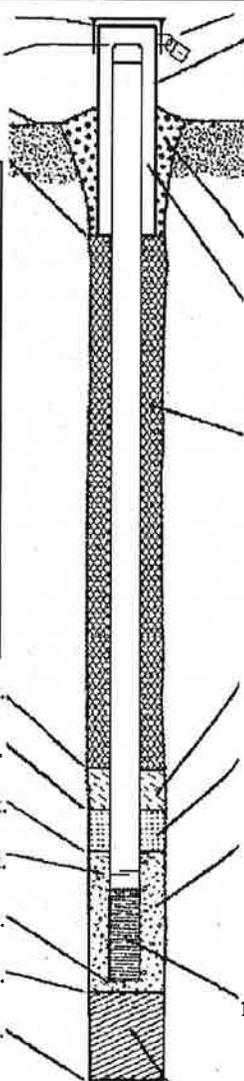
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Coneprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA



1. Cap and lock?  Yes  No
2. Protective cover pipe:  
 a. Inside diameter: 2 in.  
 b. Length: 5 ft.  
 c. Material: Steel  04  
 Other
- d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_
3. Surface seal: Bentonite  30  
 Concrete  01  
 Other  Native Soil
4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other  #40 sand
5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight ... Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite ... Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08
6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other
7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
8. Filter pack material: Manufacturer, product name & mesh size  
 a. #40  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer Monaflex  
 c. Slot size: 0.010 in.  
 d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None  14  
 Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 G. Filter pack, top 984.13 ft. MSL or \_\_\_\_\_ ft.  
 H. Screen joint, top 982.13 ft. MSL or \_\_\_\_\_ ft.  
 I. Well bottom 972.13 ft. MSL or \_\_\_\_\_ ft.  
 J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 K. Borehole, bottom 969.77 ft. MSL or \_\_\_\_\_ ft.  
 L. Borehole, diameter 2.4 in.  
 M. O.D. well casing 1.2 in.  
 N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael P. Parker Firm WGNHS

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Route to:  Watershed/Wastewater  Waste Management   
 Remediation/Redevelopment  Other

Facility/Project Name	County Name <b>MARQUETTE</b>	Well Name <b>PSNT 06 (Site ID)</b>
Facility License, Permit or Monitoring Number	County Code <b>39</b>	Wis. Unique Well Number <b>VQ830</b>
		DNR Well ID Number ---

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 40 min.
4. Depth of well (from top of well casing) 30.1 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 18.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |   | Before Development   | After Development  |
|---|--|--|
| 11. Depth to Water (from top of well casing)                              | a. <u>22.96</u> ft.  | <u>23.01</u> ft.   |
| Date  | b. <u>07/18/2018</u><br>m m d d y y y y  | <u>07/18/2018</u><br>m m d d y y y y   |
| Time  | c. <u>09:20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.   | <u>10:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.  |
| 12. Sediment in well bottom   | <u>12.0</u> inches   | <u>1.0</u> inches  |
| 13. Water clarity   | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Brown</u><br><u>opaque</u> | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>Brown</u><br><u>Mod. Turbidity</u> |
| Fill in if drilling fluids were used and well is at solid waste facility: |  |  |
| 14. Total suspended solids  | _____ mg/l   | _____ mg/l   |
| 15. COD   | _____ mg/l   | _____ mg/l   |
| 16. Well developed by: Name (first, last) and Firm                        |  |  |
| First Name:   | <u>Peter</u>   | Last Name: <u>Chase</u>  |
| Firm:   | <u>WGNHS</u>   |  |

17. Additional comments on development:  
DTB pre-develop = 29.0

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T Parson

Print Name: Mike Parson

Firm: WGNHS

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. <input type="checkbox"/> S. <input type="checkbox"/> W.	Well Name <u>P5NT-07 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98207</u> Long. <u>-89.55164</u> or	Wis. Unique Well No. <u>VQ831</u> DNR Well ID No. _____
Facility ID <u>WID=39000215</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/18/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Crage Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/ Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number _____
Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		

A. Protective pipe, top elevation 1013.62 ft. MSL  Yes  No

B. Well casing, top elevation 1013.64 ft. MSL

C. Land surface elevation 1010.24 ft. MSL

D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Creaprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

G. Filter pack, top 982.44 ft. MSL or \_\_\_\_\_ ft.

H. Screen joint, top 980.44 ft. MSL or \_\_\_\_\_ ft.

I. Well bottom 970.44 ft. MSL or \_\_\_\_\_ ft.

J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

K. Borehole, bottom 970.24 ft. MSL or \_\_\_\_\_ ft.

L. Borehole, diameter 2.4 in.

M. O.D. well casing 1.2 in.

N. I.D. well casing 1.0 in.

1. Cap and lock?  Yes  No

2. Protective cover pipe:  
 a. Inside diameter: 5 in.  
 b. Length: 5 ft.  
 c. Material: Steel  04  
 Other   
 d. Additional protection?  Yes  No  
 If yes, describe: \_\_\_\_\_

3. Surface seal: Bentonite  30  
 Concrete  01  
 Other   
Native Soil

4. Material between well casing and protective pipe:  
 Bentonite  30  
 Other   
#40 Sand

5. Annular space seal:  
 a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight . . . . . Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08

6. Bentonite seal:  
 a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other

7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

8. Filter pack material: Manufacturer, product name & mesh size  
 a. #40 Red Plant Sand  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>

9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other

10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other   
 b. Manufacturer Monoflex  
 c. Slot size: 0.010 in.  
 d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None  14  
 Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <b>MARQUETTE</b>	Well Name <b>PSNT 07 (Site 10)</b>
Facility License, Permit or Monitoring Number	County Code <b>39</b>	Wis. Unique Well Number <b>1Q 831</b>
		DNR Well ID Number ---

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 49 min.
4. Depth of well (from top of well casing) 43.2 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 80 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development   | After Development  |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>34.20</u> ft.  | <u>34.35</u> ft.   |
| Date   | b. <u>07/18/2018</u><br>m m d d y y y y  | <u>07/18/2018</u><br>m m d d y y y y   |
| Time   | c. <u>11:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.                               | <u>11:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.  |
| 12. Sediment in well bottom                  | <u>2.0</u> inches  | <u>1.0</u> inches  |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Brown opaque</u> | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>Brown Mod. Turbidity</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:  
DTB pre-develop = 42.0

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parsea

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael P. Parsea

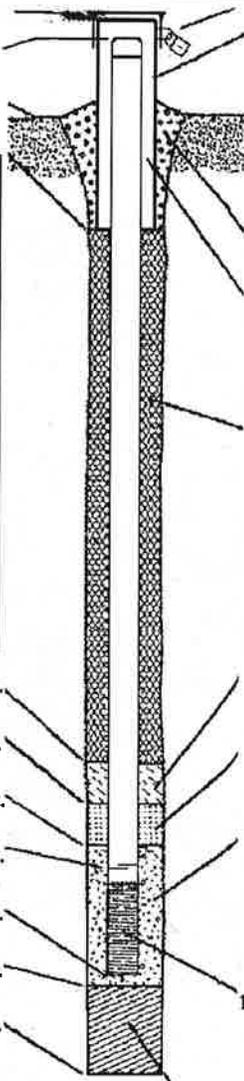
Print Name: Mike Parsea

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PSNT.08 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98082</u> Long. <u>-89.55430</u> or	Wis. Unique Well No. <u>VQ832</u> DNR Well ID No.
Facility ID <u>WID = 39000216</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/26/2018</u> m m d d y y y y
Type of Well Well Code <u>11, MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Tony Kapugi</u> <u>onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>990.19</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														
B. Well casing, top elevation <u>990.14</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>														
C. Land surface elevation <u>987.96</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____														
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input type="checkbox"/> 01 Other <input checked="" type="checkbox"/>														
<table border="1"> <tr> <td colspan="2">12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/></td> </tr> <tr> <td>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> <td></td> </tr> <tr> <td>14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input checked="" type="checkbox"/> <u>Coneprobe</u></td> <td></td> </tr> <tr> <td>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</td> <td></td> </tr> <tr> <td>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> <td></td> </tr> <tr> <td colspan="2">Describe _____</td> </tr> <tr> <td colspan="2">17. Source of water (attach analysis, if required): <u>NA</u></td> </tr> </table>		12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input checked="" type="checkbox"/> <u>Coneprobe</u>		15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Describe _____		17. Source of water (attach analysis, if required): <u>NA</u>	
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>															
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input type="checkbox"/> 41 Other <input checked="" type="checkbox"/> <u>Coneprobe</u>															
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99															
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															
Describe _____															
17. Source of water (attach analysis, if required): <u>NA</u>															
E. Bentonite seal, top _____ ft. MSL or _____ ft.	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/> <u>#40 sand</u>														
F. Fine sand, top _____ ft. MSL or _____ ft.	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above														
G. Filter pack, top <u>982.14</u> ft. MSL or _____ ft.	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08														
H. Screen joint, top <u>980.14</u> ft. MSL or _____ ft.	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>														
I. Well bottom <u>970.14</u> ft. MSL or _____ ft.	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>														
J. Filter pack, bottom _____ ft. MSL or _____ ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40</u> b. Volume added _____ ft <sup>3</sup>														
K. Borehole, bottom <u>967.96</u> ft. MSL or _____ ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>														
L. Borehole, diameter <u>2.4</u> in.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>														
M. O.D. well casing <u>1.2</u> in.	b. Manufacturer <u>Mono flex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.														
N. I.D. well casing <u>1.0</u> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>														



I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael J. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <b>MARQUETTE</b>	Well Name <b>PSNT 08 (Site 10)</b>
Facility License, Permit or Monitoring Number	County Code <b>39</b>	Wis. Unique Well Number <b>VQ832</b>
		DNR Well ID Number ---

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well \_\_\_\_\_ min.
4. Depth of well (from top of well casing) 20.9 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 10.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>11.55</u> ft.	<u>11.52</u> ft.
Date	b. <u>07/26/2018</u> m m d d y y y y	<u>07/26/2018</u> m m d d y y y y
Time	c. <u>10:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10:35</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>13.0</u> inches	<u>0.5</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Opaque Brown</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:  
DTB pre-develop = 18.9

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sands Canal Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PSNT09 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>WGNHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98088</u> Long. <u>-89.55748</u> or	Wis. Unique Well No. <u>VQ833</u> DNR Well ID No. _____
Facility ID <u>WID = 39000217</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/18/2018</u> m m d d y y y y
Type of Well Well Code <u>11, MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Crage Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation	<u>1010.23</u> ft. MSL	1. Cap and lock? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
B. Well casing, top elevation	<u>1010.13</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>5</u> in. b. Length: <u>5</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/>
C. Land surface elevation	<u>1007.47</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom	_____ ft. MSL or _____ ft.	3. Surface seal: <u>Native Soil</u> Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input checked="" type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		4. Material between well casing and protective pipe: <u>Sand #40</u> Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft <sup>3</sup> volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8
14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 <u>Creoprobe</u> Other <input checked="" type="checkbox"/>		6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9		7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____		8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40 / Native</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>NA</u>		9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.		10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.		b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>1.0</u> ft.
G. Filter pack, top <u>983.83</u> ft. MSL or _____ ft.		11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/>
H. Screen joint, top <u>981.83</u> ft. MSL or _____ ft.		
I. Well bottom <u>971.83</u> ft. MSL or _____ ft.		
J. Filter pack, bottom _____ ft. MSL or _____ ft.		
K. Borehole, bottom <u>967.47</u> ft. MSL or _____ ft.		
L. Borehole, diameter <u>2.4</u> in.		
M. O.D. well casing <u>1.2</u> in.		
N. I.D. well casing <u>1.0</u> in.		

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael D. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name	Well Name
	MARQUETTE	PSNT 09 (site 10)
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
	39	VQ 833
		DNR Well ID Number
		---

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 38.3 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>29.95</u> ft.	<u>29.93</u> ft.
Date	b. <u>07/18/2018</u> m m d d y y y y	<u>07/18/2018</u> m m d d y y y y
Time	c. <u>11:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>12:15</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>4.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>opaque Brown</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Brown Mod. Turbidity</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael P Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sands Cates Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PSNT-10 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>W6NHS</u>	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98499</u> Long. <u>-89.54472</u> or	Wis. Unique Well No. <u>VQ834</u> DNR Well ID No.
Facility ID <u>WID = 70002308</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/25/2018</u> m m d d y y y y
Type of Well Well Code <u>RI / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Orange Kapugi</u> <u>Onsite Environmental</u>
Distance from Waste/Source _____ ft. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation <u>1025.65</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>1025.70</u> ft. MSL	2. Protective cover pipe: a. Inside diameter: <u>4</u> in. b. Length: <u>2</u> ft. c. Material: Steel <input checked="" type="checkbox"/> 0 4 Other <input type="checkbox"/>
C. Land surface elevation <u>1023.13</u> ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom _____ ft. MSL or _____ ft.	3. Surface seal: <u>Native Soil</u> Bentonite <input type="checkbox"/> 3 0 Concrete <input type="checkbox"/> 0 1 Other <input checked="" type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: <u>Sand</u> Bentonite <input type="checkbox"/> 3 0 Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 3 3 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 3 5 c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 3 1 d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 5 0 e. _____ Ft <sup>3</sup> volume added for any of the above
14. Drilling method used: Rotary <input type="checkbox"/> 5 0 Hollow Stem Auger <input type="checkbox"/> 4 1 <u>Creoprobe</u> Other <input checked="" type="checkbox"/>	f. How installed: Tremie <input type="checkbox"/> 0 1 Tremie pumped <input type="checkbox"/> 0 2 Gravity <input checked="" type="checkbox"/> 0 8
15. Drilling fluid used: Water <input type="checkbox"/> 0 2 Air <input type="checkbox"/> 0 1 Drilling Mud <input type="checkbox"/> 0 3 None <input checked="" type="checkbox"/> 9 9	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 3 3 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 3 2 c. _____ Other <input type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40 / Native</u> b. Volume added _____ ft <sup>3</sup>
17. Source of water (attach analysis, if required): <u>NA</u>	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 2 3 Flush threaded PVC schedule 80 <input type="checkbox"/> 2 4 Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 1 1 Continuous slot <input type="checkbox"/> 0 1 Other <input type="checkbox"/>
F. Fine sand, top _____ ft. MSL or _____ ft.	b. Manufacturer _____ c. Slot size: <u>0.010</u> in. d. Slotted length: <u>1.0</u> ft.
G. Filter pack, top <u>981.50</u> ft. MSL or _____ ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 1 4 Other <input type="checkbox"/>
H. Screen joint, top <u>979.50</u> ft. MSL or _____ ft.	
I. Well bottom <u>969.50</u> ft. MSL or _____ ft.	
J. Filter pack, bottom _____ ft. MSL or _____ ft.	
K. Borehole, bottom <u>968.13</u> ft. MSL or _____ ft.	
L. Borehole, diameter <u>2.4</u> in.	
M. O.D. well casing <u>1.2</u> in.	
N. I.D. well casing <u>1.0</u> in.	

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael T. Parker Firm W6NHS

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PSNT10 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ834</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input checked="" type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other _____	<input type="checkbox"/>	

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 56.2 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.2 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>50.21</u> ft.	<u>50.19</u> ft.
Date	b. <u>07/25/2018</u> m m d d y y y y	<u>07/25/2018</u> m m d d y y y y
Time	c. <u>9:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>9:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>1.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown opaque</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>Brown slight turbidity</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:

DTB pre-develop = 56.1  
stick up 2.31

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sands Lakes Study</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <u>PSNT-11 (Site 10)</u>
Facility License, Permit or Monitoring No. <u>W6NHS</u>	Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43,98058</u> Long. <u>-89,54900</u> or	Wis. Unique Well No. <u>10835</u> DNR Well ID No.
Facility ID <u>W10 = 70052309</u>	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <u>07/25/2018</u> m m d d y y y y
Type of Well Well Code <u>11 / MW</u>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Gage Kapugi</u> <u>OnSite Environmental</u>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source <input type="checkbox"/> Upgradient <input type="checkbox"/> Sidegradient <input type="checkbox"/> Downgradient <input type="checkbox"/> Not Known
		Gov. Lot Number _____

A. Protective pipe, top elevation <u>984.13</u> ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation <u>984.49</u> ft. MSL	2. Protective cover pipe: <u>flush mount cover</u>
C. Land surface elevation <u>984.13</u> ft. MSL	a. Inside diameter: <u>9</u> in.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	b. Length: <u>1.5</u> ft.
	c. Material: <u>Flush mount</u> Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
	4. Material between well casing and protective pipe: <u>sand</u> Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft <sup>3</sup> volume added for any of the above
	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
	7. Fine sand material: Manufacturer, product name & mesh size a. _____ b. Volume added _____ ft <sup>3</sup>
	8. Filter pack material: Manufacturer, product name & mesh size a. <u>#40</u> b. Volume added _____ ft <sup>3</sup>
	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
	10. Screen material: <u>PVC</u> a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
	b. Manufacturer <u>Monoflex</u> c. Slot size: <u>0.010</u> in. d. Slotted length: <u>10</u> ft.
	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>

12. USCS classification of soil near screen:  
GP  GM  GC  GW  SW  SP   
SM  SC  ML  MH  CL  CH   
Bedrock

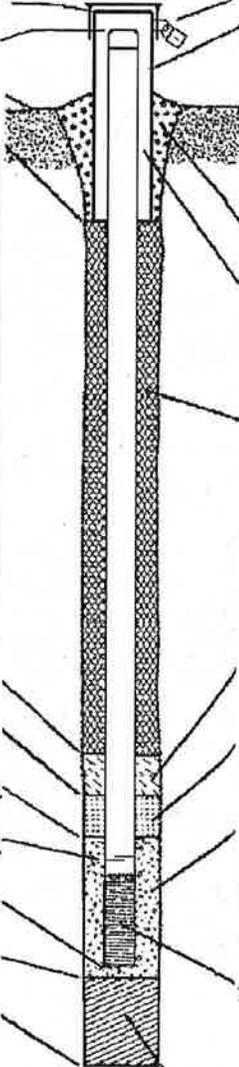
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
Hollow Stem Auger  41  
Creoprobe Other

15. Drilling fluid used: Water  02 Air  01  
Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA



E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

G. Filter pack, top 984.59 ft. MSL or \_\_\_\_\_ ft.

H. Screen joint, top 982.59 ft. MSL or \_\_\_\_\_ ft.

I. Well bottom 972.59 ft. MSL or \_\_\_\_\_ ft.

J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

K. Borehole, bottom 969.13 ft. MSL or \_\_\_\_\_ ft.

L. Borehole, diameter 2.4 in.

M. O.D. well casing 1.2 in.

N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael P. Paffen Firm W6NHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name	Well Name
	Waushara	PSNT-11 (Site 10)
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
	70	10835
		DNR Well ID Number
		---

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other

3. Time spent developing well 40 min.

4. Depth of well (from top of well casing) 11.9 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 15.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>3.80</u> ft.	<u>3.78</u> ft.
Date	b. <u>07/25/2018</u> m m d d y y y y	<u>07/25/2018</u> m m d d y y y y
Time	c. <u>11:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>1.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>opaque</u> <u>Pink Gray-Brown</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WG NMS

17. Additional comments on development:  
DTB pre-develop = 11.8

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parker

Facility/Firm: WG NMS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael V. Parker

Print Name: Mike Parker

Firm: WG NMS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sands Label Study</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>PSNT 14 (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <u>10836</u> DNR Well ID No. <u>---</u>	
Facility ID <u>WID = 70002310</u>		St. Plane _____ ft. N, _____ ft. E. S/C/N		Date Well Installed <u>07/25/2018</u> m m d d y y y y	
Type of Well Well Code <u>N1MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Craig Kapugi</u> <u>Onsite Environmental</u>	
Distance from Waste/Source _____ ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	

<p>A. Protective pipe, top elevation <u>996.61</u> ft. MSL</p> <p>B. Well casing, top elevation <u>996.67</u> ft. MSL</p> <p>C. Land surface elevation <u>993.95</u> ft. MSL</p> <p>D. Surface seal, bottom _____ ft. MSL or _____ ft.</p> <div style="border: 1px solid black; padding: 5px;"> <p>12. USCS classification of soil near screen:                  GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input checked="" type="checkbox"/>                  SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/>                  Bedrock <input type="checkbox"/></p> <p>13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>14. Drilling method used: Rotary <input type="checkbox"/> 50                  Hollow Stem Auger <input type="checkbox"/> 41  <u>Cragprobe</u> Other <input checked="" type="checkbox"/></p> <p>15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01                  Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99</p> <p>16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Describe _____</p> <p>17. Source of water (attach analysis, if required):  <u>NA</u></p> </div> <p>E. Bentonite seal, top _____ ft. MSL or _____ ft.</p> <p>F. Fine sand, top _____ ft. MSL or _____ ft.</p> <p>G. Filter pack, top <u>985.67</u> ft. MSL or _____ ft.</p> <p>H. Screen joint, top <u>983.67</u> ft. MSL or _____ ft.</p> <p>I. Well bottom <u>973.67</u> ft. MSL or _____ ft.</p> <p>J. Filter pack, bottom _____ ft. MSL or _____ ft.</p> <p>K. Borehole, bottom <u>973.95</u> ft. MSL or _____ ft.</p> <p>L. Borehole, diameter <u>2.4</u> in.</p> <p>M. O.D. well casing <u>1.2</u> in.</p> <p>N. I.D. well casing <u>1.0</u> in.</p>		<p>1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>2. Protective cover pipe:                  a. Inside diameter: <u>4</u> in.                  b. Length: <u>5</u> ft.                  c. Material: Steel <input checked="" type="checkbox"/> 04                  Other <input type="checkbox"/>                  d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                  If yes, describe: _____</p> <p>3. Surface seal: Bentonite <input type="checkbox"/> 30                  Concrete <input type="checkbox"/> 01  <u>Sand</u> Other <input checked="" type="checkbox"/></p> <p>4. Material between well casing and protective pipe:  <u>Sand</u> Bentonite <input type="checkbox"/> 30                  Other <input checked="" type="checkbox"/></p> <p>5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33                  b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35                  c. _____ Lbs/gal mud weight . . . . . Bentonite slurry <input type="checkbox"/> 31                  d. _____ % Bentonite . . . . . Bentonite-cement grout <input type="checkbox"/> 50                  e. _____ Ft<sup>3</sup> volume added for any of the above                  f. How installed: Tremie <input type="checkbox"/> 01                  Tremie pumped <input type="checkbox"/> 02                  Gravity <input checked="" type="checkbox"/> 08</p> <p>6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33                  b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32                  c. _____ Other <input type="checkbox"/></p> <p>7. Fine sand material: Manufacturer, product name &amp; mesh size                  a. _____                  b. Volume added _____ ft<sup>3</sup></p> <p>8. Filter pack material: Manufacturer, product name &amp; mesh size                  a. <u>#40/Native</u>                  b. Volume added _____ ft<sup>3</sup></p> <p>9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23                  Flush threaded PVC schedule 80 <input type="checkbox"/> 24                  Other <input type="checkbox"/></p> <p>10. Screen material: <u>PVC</u>                  a. Screen type: Factory cut <input checked="" type="checkbox"/> 11                  Continuous slot <input type="checkbox"/> 01                  Other <input type="checkbox"/>                  b. Manufacturer <u>Manaflex</u>                  c. Slot size: <u>0.019</u> in.                  d. Slotted length: <u>10</u> ft.</p> <p>11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14                  Other <input type="checkbox"/></p>
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I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael J. Parker Firm WGNHS

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports 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 these forms 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 these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PSNT 14 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ836</u>
		DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other
3. Time spent developing well 30 min.
4. Depth of well (from top of well casing) 23.0 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 12.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>15.58</u> ft.	<u>15.57</u> ft.
Date	b. <u>07/25/2018</u> m m d d y y y y	<u>07/25/2018</u> m m d d y y y y
Time	c. <u>10:10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>5.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Brown opaque</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>        </u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	<u>        </u> mg/l	<u>        </u> mg/l
15. COD	<u>        </u> mg/l	<u>        </u> mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:  
DTB pre-develop = 22.6

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street:         

City/State/Zip:         

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael T. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name <u>Central Sands Lakes Study</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name <u>P5NT 15 (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/>		Wis. Unique Well No. <u>VQ 837</u> DNR Well ID No. _____	
Facility ID <u>WID=39000218</u>		St. Plane _____ ft. N, _____ ft. E. S/C/N		Date Well Installed <u>07/26/2018</u> m m d d y y y y	
Type of Well Well Code <u>11 / MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Grage Kapugi</u> <u>onsite environmental</u>	
Distance from Waste/ Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	
		Gov. Lot Number _____			

- A. Protective pipe, top elevation 1028.24 ft. MSL
- B. Well casing, top elevation 1028.30 ft. MSL
- C. Land surface elevation 1024.86 ft. MSL
- D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

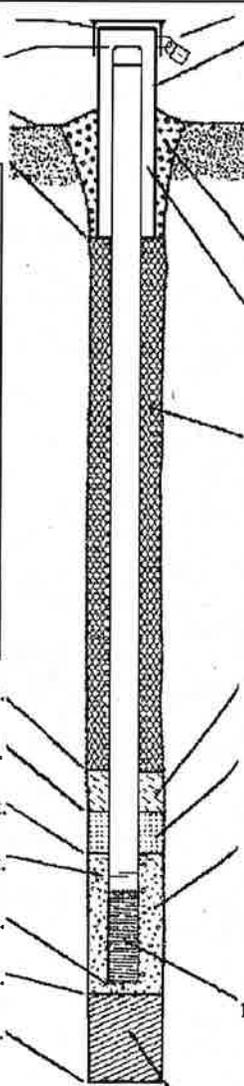
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Cragprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA



- 1. Cap and lock?  Yes  No
- 2. Protective cover pipe:
  - a. Inside diameter: 4 in.
  - b. Length: 5 ft.
  - c. Material: Steel  04  
Other
  - d. Additional protection?  Yes  No  
If yes, describe: \_\_\_\_\_
- 3. Surface seal: Bentonite  30  
Concrete  01  
Other
- 4. Material between well casing and protective pipe:
  - Bentonite  30
  - Other  #40 sand
- 5. Annular space seal:
  - a. Granular/Chipped Bentonite  33
  - b. \_\_\_\_\_ Lbs/gal mud weight... Bentonite-sand slurry  35
  - c. \_\_\_\_\_ Lbs/gal mud weight... Bentonite slurry  31
  - d. \_\_\_\_\_ % Bentonite... Bentonite-cement grout  50
  - e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above
  - f. How installed: Tremie  01  
Tremie pumped  02  
Gravity  08
- 6. Bentonite seal:
  - a. Bentonite granules  33
  - b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32
  - c. \_\_\_\_\_ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
  - a. \_\_\_\_\_
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 8. Filter pack material: Manufacturer, product name & mesh size
  - a. #40 / Native
  - b. Volume added \_\_\_\_\_ ft<sup>3</sup>
- 9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
- 10. Screen material: PVC
  - a. Screen type: Factory cut  11  
Continuous slot  01  
Other
  - b. Manufacturer Manaflex
  - c. Slot size: 0.010 in.
  - d. Slotted length: 10 ft.
- 11. Backfill material (below filter pack): None  14  
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael D. Parker Firm WGNHS

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <b>MARQUETTE</b>	Well Name <b>PSNT-15 (Site ID)</b>
Facility License, Permit or Monitoring Number	County Code <b>39</b>	Wis. Unique Well Number <b>VQ 837</b>
		DNR Well ID Number ---

1. Can this well be purged dry?  Yes  No

2. Well development method

- surged with bailer and bailed  41
- surged with bailer and pumped  61
- surged with block and bailed  42
- surged with block and pumped  62
- surged with block, bailed and pumped  70
- compressed air  20
- bailed only  10
- pumped only  51
- pumped slowly  50
- Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 54.5 ft.

5. Inside diameter of well 1.0 in.

6. Volume of water in filter pack and well casing 0.3 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added NA

10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>46.23</u> ft.	<u>46.24</u> ft.
Date	b. <u>07/26/2018</u> m m d d y y y y	<u>07/26/2018</u> m m d d y y y y
Time	c. <u>11:19</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	--- inches	--- inches
13. Water clarity	Clear <input type="checkbox"/> 10	Clear <input type="checkbox"/> 20
	Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>gray opaque</u>	Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>gray</u>
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	--- mg/l	--- mg/l
15. COD	--- mg/l	--- mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	<u>Peter</u>	Last Name: <u>Chase</u>
Firm:	<u>WGNHS</u>	

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael G. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name <u>Central Sands Lakes Study</u>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>PSNT 16 (Site 10)</u>	
Facility License, Permit or Monitoring No. <u>WGNHS</u>		Local Grid Origin (estimated: <input type="checkbox"/> ) or Well Location <input type="checkbox"/> Lat. <u>43.98754</u> Long. <u>-89.55524</u> or		Wis. Unique Well No. <u>VQ838</u> DNR Well ID No. _____	
Facility ID <u>WID= 70002311</u>		St. Plane _____ ft. N, _____ ft. E. S/C/N		Date Well Installed <u>07/25/2018</u> m m d d y y y y	
Type of Well Well Code <u>11 / MW</u>		Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <u>Gage Kapugi</u> <u>Onsite Environmental</u>	
Distance from Waste/Source _____ ft.		Enf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation 1009.19 ft. MSL  
 B. Well casing, top elevation 1008.86 ft. MSL  
 C. Land surface elevation 1009.19 ft. MSL  
 D. Surface seal, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.

12. USCS classification of soil near screen:  
 GP  GM  GC  GW  SW  SP   
 SM  SC  ML  MH  CL  CH   
 Bedrock

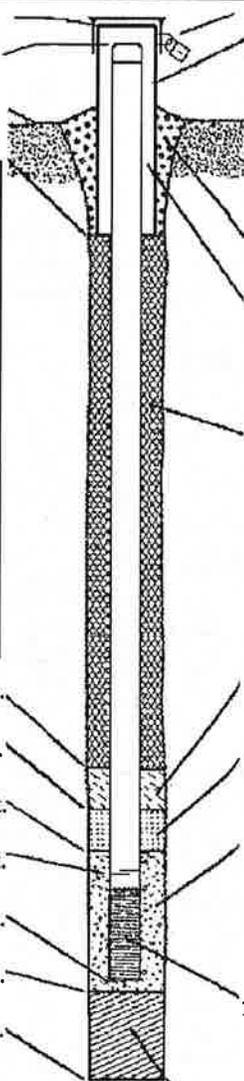
13. Sieve analysis performed?  Yes  No

14. Drilling method used: Rotary  50  
 Hollow Stem Auger  41  
Creoprobe Other

15. Drilling fluid used: Water  02 Air  01  
 Drilling Mud  03 None  99

16. Drilling additives used?  Yes  No  
 Describe \_\_\_\_\_

17. Source of water (attach analysis, if required):  
NA



1. Cap and lock?  Yes  No
2. Protective cover pipe: Flush mount cover  Yes  No  
 a. Inside diameter: 9 in.  
 b. Length: 1.5 ft.  
 c. Material: Flush mount Steel  04  
 Other
3. Surface seal: Bentonite  30  
 Concrete  01  
 Other
4. Material between well casing and protective pipe: Sand  
 Bentonite  30  
 Other
5. Annular space seal: a. Granular/Chipped Bentonite  33  
 b. \_\_\_\_\_ Lbs/gal mud weight . . . Bentonite-sand slurry  35  
 c. \_\_\_\_\_ Lbs/gal mud weight . . . . Bentonite slurry  31  
 d. \_\_\_\_\_ % Bentonite . . . . . Bentonite-cement grout  50  
 e. \_\_\_\_\_ Ft<sup>3</sup> volume added for any of the above  
 f. How installed: Tremie  01  
 Tremie pumped  02  
 Gravity  08
6. Bentonite seal: a. Bentonite granules  33  
 b.  1/4 in.  3/8 in.  1/2 in. Bentonite chips  32  
 c. \_\_\_\_\_ Other
7. Fine sand material: Manufacturer, product name & mesh size  
 a. \_\_\_\_\_  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
8. Filter pack material: Manufacturer, product name & mesh size  
 a. #40 / Native  
 b. Volume added \_\_\_\_\_ ft<sup>3</sup>
9. Well casing: Flush threaded PVC schedule 40  23  
 Flush threaded PVC schedule 80  24  
 Other
10. Screen material: PVC  
 a. Screen type: Factory cut  11  
 Continuous slot  01  
 Other
- b. Manufacturer MonoFlex  
 c. Slot size: \_\_\_\_\_ 0.019 in.  
 d. Slotted length: 19 ft.
11. Backfill material (below filter pack): None  14  
 Other

E. Bentonite seal, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 F. Fine sand, top \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 G. Filter pack, top 986.56 ft. MSL or \_\_\_\_\_ ft.  
 H. Screen joint, top 984.56 ft. MSL or \_\_\_\_\_ ft.  
 I. Well bottom 974.56 ft. MSL or \_\_\_\_\_ ft.  
 J. Filter pack, bottom \_\_\_\_\_ ft. MSL or \_\_\_\_\_ ft.  
 K. Borehole, bottom 974.19 ft. MSL or \_\_\_\_\_ ft.  
 L. Borehole, diameter 2.4 in.  
 M. O.D. well casing 1.2 in.  
 N. I.D. well casing 1.0 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Michael P. Parker Firm WGNHS

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Route to: Watershed/Wastewater  Waste Management   
Remediation/Redevelopment  Other

Facility/Project Name	County Name <u>Waushara</u>	Well Name <u>PSNT 16 (Site 10)</u>
Facility License, Permit or Monitoring Number	County Code <u>70</u>	Wis. Unique Well Number <u>VQ838</u> DNR Well ID Number <u>---</u>

1. Can this well be purged dry?  Yes  No
2. Well development method
- surged with bailer and bailed  41
  - surged with bailer and pumped  61
  - surged with block and bailed  42
  - surged with block and pumped  62
  - surged with block, bailed and pumped  70
  - compressed air  20
  - bailed only  10
  - pumped only  51
  - pumped slowly  50
  - Other  \_\_\_\_\_
3. Time spent developing well 40 min.
4. Depth of well (from top of well casing) 34.3 ft.
5. Inside diameter of well 1.0 in.
6. Volume of water in filter pack and well casing 0.3 gal.
7. Volume of water removed from well 10.0 gal.
8. Volume of water added (if any) 0.0 gal.
9. Source of water added NA
10. Analysis performed on water added?  Yes  No  
(If yes, attach results)

- |  | Before Development  | After Development   |
|--|---|---|
| 11. Depth to Water (from top of well casing) | a. <u>26.28</u> ft.   | <u>26.29</u> ft.  |
| Date   | b. <u>07/26/2018</u><br>m m d d y y y y   | <u>07/26/2018</u><br>m m d d y y y y  |
| Time   | c. <u>09:10</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.                                | <u>09:50</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.   |
| 12. Sediment in well bottom                  | <u>3.0</u> inches   | <u>0.0</u> inches   |
| 13. Water clarity                            | Clear <input type="checkbox"/> 10<br>Turbid <input checked="" type="checkbox"/> 15<br>(Describe) <u>Crainy opaque</u> | Clear <input type="checkbox"/> 20<br>Turbid <input checked="" type="checkbox"/> 25<br>(Describe) <u>Crainy slight turbidity</u> |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l
15. COD \_\_\_\_\_ mg/l \_\_\_\_\_ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Peter Last Name: Chase

Firm: WGNHS

17. Additional comments on development:  
DTB pre-develop = 34.1

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Parson

Facility/Firm: WGNHS

Street: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: Michael V. Parson

Print Name: Mike Parson

Firm: WGNHS

NOTE: See instructions for more information including a list of county codes and well type codes.