

Appendix E
Private Well Information

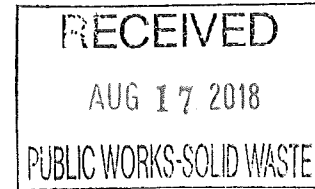
State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Scott Walker, Governor
Daniel L. Meyer, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711



08/14/2018

DANE COUNTY PUBLIC WORKS
ATTN: JOHN WELCH
1919 ALLIANT ENERGY CENTER WAY
MADISON, WI 53713



Subject: **VARIANCE APPROVAL for a new well located at 7102 US HWY 12&18, Madison in Dane County.**
WUWN: YZ391

Dear Mr. Welch:

The Department of Natural Resources (DNR) has reviewed your request received by DNR on 08/13/2018 for a variance to the requirements of s. NR 812.08(4)(d)6., Wis. Adm. Code. NR 812.08(4)(d)6. States a well must be installed greater than 100 feet away from a stormwater infiltration basin or system. You have requested to install the well 55 feet from the stormwater infiltration basin. DNR has determined that your variance meets the requirements of NR 812.43, Wis. Adm. Code, and the variance is approved, subject to the following:

CONDITIONS

The following construction or installation features for the well and water supply system shall be complied with to protect human health and groundwater comparable to strict code compliance:

1. Please follow all the conditions noted in the May 31, 2018 landfill variance approval. (Appendix A)

Please note that failure to comply with the conditions of this variance or any other applicable requirements of ch. NR 812 voids the variance approval. Please note that groundwater flow, the surrounding land uses and the physical condition of your well will change over time. The changes can affect the groundwater quality of your well. To investigate for changes in groundwater quality, the department recommends at least annual sampling for bacteria and nitrate.

FINDINGS

Your request for a variance is granted because your application demonstrates that strict compliance with the code is not feasible. Strict compliance with the code is not feasible due to the limited space to install the well. Gas lines, electrical lines, stormwater infiltration basins, and paved roadways are already installed surrounding the well. Features that contribute to comparable protection include:

1. There are various layers of clay that may help to provide additional protection.
2. The well will be constructed with 120 feet of cement grouted casing which is 80 feet deeper than what is minimally required in code.

The DNR has authority under Chs. 280 and 281, Stats. and s. NR 812.43, Wis. Adm. Code, to grant a variance from ch. NR 812 requirements when strict compliance is not feasible. The DNR may also require additional construction or installation features to protect drinking water and groundwater from contamination as a condition of a variance.

A department-approved variance does not guarantee acceptable water quality or quantity. This variance application was evaluated based on information provided to the department and is assumed to be accurate. The department has not inspected the well and water system that is the subject of this variance application. The well has not been evaluated by the department for compliance with NR 812 requirements beyond what is addressed in the variance request. Undisclosed noncomplying features will void the variance.

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the department, to file your petition with the appropriate circuit court and serve the petition on the department. Such a petition for judicial review must name the DNR as the respondent.

To request a contested case hearing pursuant to section 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the department, to serve a petition for hearing on the Secretary of the DNR. All requests for contested case hearings must be made in accordance with section NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with section NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review.

If you have any questions, please feel free to call me at (608) 228-0309 or email me at Jared.Niewoehner@wisconsin.gov.

Sincerely,



JARED NIEWOEHNER
Water Supply Specialist
Wisconsin Department of Natural Resources

cc:

Sandy Hershberger—DNR
Randall Clark—DNR
Jake Redeker—Sam's Well Drilling

APPENDIX A

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

FILE

Scott Walker, Governor
Daniel L. Meyer, Secretary
Telephone 608-266-2621
FAX 608-267-3579
TTY Access via relay - 711



May 31, 2018

Dane County No. 2 -
(Rodefeld) Landfill
FID: 113127300
Dane County
License #: 3018

DANE COUNTY DEPARTMENT OF PUBLIC WORKS
ATTN: JOHN WELCH
1919 ALLIANT ENERGY CENTER WAY
MADISON WI 53713

Subject: VARIANCE APPROVAL for a New well to be located at 7102 U.S. Hwy 12 & 18,
Madison, 53718, Blooming Grove Tr., Dane County. PLSS: T7, R10 East, S25, Q-NE, QQ-SW.
WUWN: YZ391

Dear Mr. Welch:

The Department of Natural Resources (DNR) has reviewed your request received by DNR on May 21, 2018, for a variance to the requirements of s. NR 812.08(4)(g)1, Wis. Adm. Code., the landfill setback requirement. DNR has determined that your variance meets the requirements of NR 812.44, Wis. Adm. Code, and the variance is approved, subject to the following:

CONDITIONS

1. The well shall be cased into firm Limestone/Dolomite or Sandstone bedrock to a minimum depth of 120 feet.
2. That the well shall be grouted with neat cement grout.
3. The upper-enlarged drillhole (UED) shall have a minimum diameter of 8 ¾ inches (for a 6-inch diameter well).
4. For cement grouting the annular space, the grout shall be ordered from a commercial concrete company, shall be ordered free of aggregate, and shall have a slurry density of at least 15.2 lbs./gallon but preferably have a density of 15.6 lbs./gal. The grout density shall be measured with a mud balance, both in the grout pump hopper – before being pumped – and at the point where the grout returns out the top of the annular space.
5. The cement grout shall be pumped into the annular space using the “Bradenhead” method or grout shoe, and the grouting operation shall be done in a manner according to the requirements of s. NR 812.20.

Welch, John
Dane Township, Dane County

NR 812 Landfill Variance File

WUWN: YZ391
May 31, 2018

6. At completion of the grouting procedure, the grout shall flow out the top of the annular space with the same density as the grout being pumped from the hopper and shall have a density of at least 15.2 lbs./gal. The grout density shall be measured with a mud balance.
7. The cement grout shall be allowed to set for at least 24 hours before the construction of the lower bedrock drillhole is commenced. If the cement is mixed with 2% calcium chloride the lower drillhole work can begin at 18 hours.
8. That a water sample shall be collected for sample analysis results for a volatile organic compound (VOC) sample, using EPA Method 524.2, and shall be collected within 60-days of completion of the well.
9. That a water sample shall be collected for sample analysis results for a Metals Screen, using EPA Method 200.7, for Aluminum, Arsenic, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Strontium, Vanadium and Zinc and shall be collected within 60-days of completion of the well.

Within 15 Days of receipt of the results, submit a copy of the results to the following:

Randell Clark – DG/5
Wisconsin Department of Natural Resources
P.O. Box 7921
Madison, WI 53707-7921

10. The well driller must use the well construction report assigning Wisconsin Unique Well Number YZ391 to the well and report the construction of the well using the enclosed construction form, or submit the report electronically using Wisconsin Unique Well Number YZ391. The unique well number will assist in identifying the well and associating any current or future sampling with the well.
11. Not meeting the conditions of this variance voids the variance.
12. That if the actual construction of well on the above-described property has not commenced within 2-years of the date of this variance, the variance approval shall become void.

Please note that groundwater flow, the surrounding land uses and the physical condition of your well will change over time. The changes can affect the groundwater quality of your well. To investigate for changes in groundwater quality, the department recommends at least annual sampling for bacteria and nitrate. Retain the resulting analytical reports and provide copies to the DNR when and if requested.

FINDINGS

Your request for a variance is granted because your application demonstrates that strict compliance with the code is not feasible. The reason that strict compliance with the code is not

feasible is that the proposed well location for the Biogas process facility well is completely within the 1200-foot setback of the Dane County No. 2 (Rodefeld) landfill sites. Features that contribute to comparable protection include:

1. Groundwater flow in the area is documented to be flowing northwest toward Lake Monona, making the proposed well location slightly side-gradient of the landfill site.
2. The new well construction requirements proposed for the well are stricter than the minimum construction requirements for the area, with a specified casing depth requirement.
3. The sampling requirements for the new well are stricter than the minimum requirement for a new well construction.
4. Recent sampling results from the landfill and wells south and east of the fill site, show no exceedances to groundwater standards.
5. There are various layers of clay and gravel that may provide additional protection in the area.

The DNR has authority under Chs. 280 and 281, Stats. and s. NR 812.43, Wis. Adm. Code, to grant a variance from ch. NR 812 requirements when strict compliance is not feasible. The DNR may also require additional construction or installation features to protect drinking water and groundwater from contamination as a condition of a variance.

The following construction or installation features for the well and water supply system shall be complied with in order to protect human health and groundwater, comparable to strict code compliance:

1. That the well driller follows all other applicable construction requirements listed in NR 812 when constructing the existing well.

A department-approved variance does not guarantee acceptable water quality or quantity. This variance application was evaluated based on information provided to the department and is assumed to be accurate. The department has not inspected the well and water system that is the subject of this variance application. The well has not been evaluated by the department for compliance with NR 812 requirements beyond what is addressed in the variance request. Undisclosed noncomplying features will void the variance.

NOTICE OF APPEAL RIGHTS

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Wis. Stats., you have 30-days after the decision is mailed, or otherwise

Welch, John
Dane Township, Dane County

NR 812 Landfill Variance File

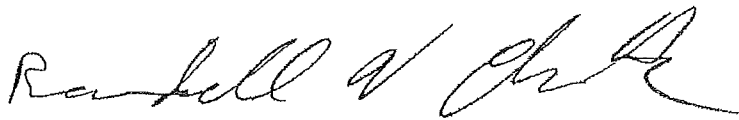
91
WUWN: YZ388
May 31, 2018

served by the department, to file your petition with the appropriate circuit court and serve the petition on the department. Such a petition for judicial review must name the DNR as the respondent.

To request a contested case hearing pursuant to section 227.42, Wis. Stats., you have 30-days after the decision is mailed, or otherwise served by the department, to serve a petition for hearing on the Secretary of the DNR. All requests for contested case hearings must be made in accordance with section NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with section NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review.

If you have any questions, please feel free to call me at (608) 267-7895 or e-mail me at Randell.Clark@wisconsin.gov.

Sincerely,



Randell V. Clark, Hydrogeologist
Private Water Supply Section
Bureau of Drinking Water and Groundwater
(608) 267-7895 FAX (608) 267-7650



Liesa Lehmann, Chief
Private Water Supply Section
Bureau of Drinking Water and Groundwater
(608) 267-7649 FAX (608) 267-7650

Enclosures:

List of Certified Laboratories – Owner Only

Laboratory Sample Release Form – Owner Only

Cc without enclosures:

Cynthia Moore - SCR, Fitchburg – Electronic
Adam Hogan – SCR, Fitchburg - Electronic
Jared Niewoehner – SCR, Fitchburg - Electronic



February 3, 2014

IN REPLY REFER TO: 3320

MICHAEL R NIEBUHR
3124 LUDS LANE
MCFARLAND WI 53558

SUBJECT: Grant of a Variance for a Well Within 1,200 Feet of a Proposed Landfill Expansion Under Chapter NR 812, Wisconsin Administrative Code, Town of Cottage Grove, Dane County

Dear Mr. Niebuhr:

The Groundwater Section has received and reviewed your request for a variance for an existing shared potable community well, within 1,200 feet of the nearest edge of a proposed landfill expansion site.

The variance is granted for a well as constructed on the below-described property, but subject to the following conditions:

1. That the well was constructed to follow all applicable specifications listed in NR 812.
2. That all present and future owners of the property shall furnish no later than 10 days after acceptance of a contract of sale or option contract, to the prospective buyer of the property a copy of this variance approval.
3. That background monitoring for Community Well PW-50, or Wisconsin unique well number FW225, will be specified in the Feasibility Determination for the Dane County Landfill Eastern Expansion. The required background monitoring for this well will be conducted by Dane County at Dane County's expense.
4. That the Dane County Landfill Eastern Expansion Plan of Operation will specify any additional ongoing monitoring required for Community Well PW-50.

This variance is granted based in whole or in part on information provided to the department by the landfill owner, well owner and/or a licensed well driller or pump installer. The information provided to the department is assumed to be accurate and this variance approval is granted based on that information. Department staff has not inspected the well and water system, which are the subject of this variance approval. This variance approval is not intended nor should it be deemed as a guarantee that the well and pump installation are in compliance with the Wisconsin Well and Pump Installation Code, Chapter NR 812, Wisconsin Administrative Code, nor does it guarantee

that the system will produce acceptable water quality or quantity. This variance is for the specific code provision or provisions identified above.

Failure to comply with any term or conditions of this approval voids the approval. You are also responsible for acting in compliance with all other applicable statutory and administrative code requirements.

As authorized by Ken Johnson, Administrator, Water Division. The department is authorized by chapters 280 and 281, Wisconsin Statutes, to have general supervision and control over the waters of the state and to establish and enforce standards and rules for obtaining drinking water and protecting public health against polluted water supplies. Chapter NR 812, Wisconsin Administrative Code, is adopted pursuant to that authority. Section NR 812.08(4)(g)1, Wisconsin Administrative Code, requires a minimum separating distance of 1,200 feet be provided between a well or reservoir and the nearest edge of an existing, proposed or abandoned landfill site.

According to the information supplied, you own property at 3124 Luds Lane, McFarland, in the SW quarter-quarter of the NW quarter of Section 30, T7N, R11E, Cottage Grove Township, Dane County. Your shared Community Well location address is listed as 3620 County Highway AB.

An active landfill site known as the Dane County Rodefild Landfill, is located on a 169 acre parcel owned by Dane County, of which approximately 76 acres comprises the landfill footprint. The existing landfill is located in the N $\frac{1}{4}$ of Section 25, Township 7 North, Range 10 East. Dane County is proposing an eastern landfill expansion that would comprise approximately 28.6 acres horizontally with 17 acres lapping over the existing landfill. The proposed expansion is located in the NE $\frac{1}{4}$ of Section 25. Long-term sampling of the wells in the area has shown little to indicate they have been affected by the nearby existing landfill. The former Crossroads Bar well, had the only detect of dichloromethane, back in June of 2007, of 5 ug/L. All other recent sampling of the local water supply well has indicated that volatile organic compounds (VOCs) are not being found. Landfill compliance sampling has indicated the presence of elevated iron and arsenic in these nearby wells, but that could be due to its native background presence in the formation. Sampling from 1997 to 2012 in the Common well has shown decreasing levels of metal detects. Over that period, Arsenic has gone from 9 ug/L down to 1.4, Barium for 64 ug/L down to 48.4, Copper from 17 ug/L down to 3.5, Manganese from 29 ug/L down to 8.7, Zinc from 701 ug/L down to 207 and Iron from 1.78 mg/L down to 0.0465 mg/L over that period of time. Sampling of the Community Well in the last two years has detected concentrations of Iron, Arsenic and Lead above the preventative action limit (PAL) for groundwater, but not in excess of the enforcement standard (ES) for groundwater. The Community Well is located approximately 920 feet to the east of the proposed Eastern Expansion. The Dane County Rodefild landfill has a facility identification (FID) number of 113127300.

The groundwater flow direction has been established using high water table and low water table elevation data, and was determined to be flowing north under the Eastern Expansion and northwest under the existing facility locally. This local flow direction would place the well in a side gradient location. Regional flow should be toward the south toward Lake Monona. For the above reasons, the department is of the opinion that the Community Well location is locally side-gradient to up-gradient relative to the landfill sites and groundwater flow.

Based upon the fact that the existing well is not a high capacity well and that the assumed direction of ground water flow indicates that the Community Well location is side-gradient of the Dane County Rodefild landfill, the site specific hydrogeological conditions suggest that there may be an uncontaminated aquifer or portion of an aquifer at the well location, the department has concluded that a variance could be granted.

The department emphasizes that while a variance from Chapter NR 812, Wisconsin Administrative Code, requirements may be granted, compliance with Chapter NR 812, Wisconsin Administrative Code requirements is recommended if at all possible. Chapter NR 812, Wisconsin Administrative Code, requirements reflect measures which the department has found to best protect drinking water and groundwater from contamination. A department-approved variance does not guarantee acceptable water quality or quantity.

It is the responsibility of the owner to obtain any and all permits that are required for construction of a well. Local government agencies may require other permits for construction of a well. This grant of a variance is only a variance from a requirement in NR 812, Wisconsin Administrative Code and does not negate or substitute for any other requirements that were established by other government agencies.

The department has authority under Section NR 812.43, Wisconsin Administrative Code, to grant a variance from Chapter NR 812 requirements when strict compliance is impractical. Variance approval may be conditioned on compliance specifications prescribed by the department. Comparable specifications are based upon the need to protect drinking water and groundwater from contamination.

NOTICE OF APPEAL RIGHTS

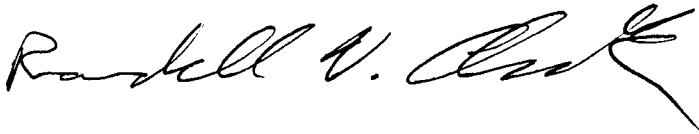
If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed. For judicial review of a decision pursuant to sections 227.52 and 227.53, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to section 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with section NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with section NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review.

All hearing requests must be made in accordance with Section NR 2.05(5), Wisconsin Administrative Code, and must identify the grounds for the petition and the desired modification or change to the Order and include specific information demonstrating the following:

1. The substantial interest of the petitioner which is injured in fact or threatened with injury by department action or inaction;
2. That there is no evidence of legislative intent that this interest is not to be protected;
3. That the injury to the petitioner is different in kind or degree from injury to the general public caused by department action or inaction; and
4. That there is a dispute of material fact. (You must specify the disputed facts).

This notice is provided pursuant to section 227.48(2), Wisconsin Statutes.



Randell V. Clark, Hydrogeologist
Groundwater Section
Bureau of Drinking Water and Groundwater
(608) 267-7895 FAX (608) 267-7650



Mary E. Vollbrecht, Chief
Groundwater Section
Bureau of Drinking Water and Groundwater
(608) 266-2104 FAX (608) 267-7650

Enclosures:

None

cc without enclosures:

Dennis Mack - SCR, Fitchburg

Adam Hogan - SCR, Fitchburg

Glenn Mueller - SCR, Fitchburg

Wisconsin Department of Natural Resources

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295 and 299, Wis. Stats., and ch. NR 141 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.

Date of Filling & Sealing: 05/31/2017
Rec #: 154147
Verification. Check only if well filling & sealing was done previously and you are just verifying that work.: No
1. Well Location Information

County: Dane		WI Unique Well #: BN596		DNR Hicap Well #:	
Latitude: (DD.DDDDD°) 43.03069 °N		Longitude: (DD.DDDDD°) 89.14806 °W		GPS Method Code: GPS008	
Gov't Lot #:	Qtr/Qtr: SW	Quarter: SW	Section #: 19	Township #: 7 North	Range #: 11 East
Well Street Address: 3737 CR AB				Subdivision Name:	
Well City/Village/Town: City of MCFARLAND		Well Zip Code: 53558	Lot #:	Does a new well replace this well? No	
Reason for Filling & Sealing: CITY WATER				WI Unique Well # of Replacement Well:	

2. Facility / Owner Information

Facility Name: COUNTRY CORNERS		FID #: 113045688	License/Permit/Monitoring #:		
Original Well Owner:		Service Category:			
Present Well Owner: COUNTRY CORNERS		Mailing Address of Present Owner: 3737 CR AB			
		City: MCFARLAND	State: WI	Zip Code: 53558	

3. Well / Drillhole / Borehole Information

Well Type: Water Well	Original Construction Date: (mm/dd/yyyy)	Construction Type: Drilled
Formation Type:	Total Well Depth From Ground Surface (ft.): 161.00	(specify Other):
Casing Diameter (in.): 6.00	Lower Drillhole Diameter (in.):	Casing Depth (ft.):
Was well annular space grouted?	If yes, to what depth (ft.)?	Depth to Water (ft.):

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

Pump and piping removed?	Yes	Liner(s) removed? If no liner mark as N/A	N/A	If no, was liner perforated?	N/A
Screen removed?	N/A	Well casing (or loop if geothermal) left in place?	Yes	Was casing cut off below surface?	Yes
Did sealing material rise to surface?	Yes	Did material settle after 24 hours?	No	If yes, was hole retopped?	
If bentonite chips were used, were they hydrated from an uncontaminated water source?					Yes
Method of Placing Sealing Material: Screened & Poured (Bentonite Chips)			(Explain Other):		
Water Well Sealing Materials: Bentonite Chips			Monitoring Wells & other Drillholes:		

5. Material Used to Fill Well / Drillhole

Material:	From (ft.):	To (ft.):	# and Units of Sealant:	Mix Ratio or Mud Weight:
BENTONITE CHIPS	Surface	161.00	42 SACKS	

6. Comments

1 FOOT UNDERGROUND
THEY STATE HERE THAT THEY WENT TO MUNICIPAL WATER.
COUNTRY CORNERS 3737 CTH AB ALSO HAS A NEW CONSTRUCTION YA371 FOR THE BAR.
IT IS POSSIBLE THAT YA371 REPLACED BN596. JG 10/13/2017

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: HASTINGS WELL DRLG & SERV INC	License #: 6158	Phone: 608-764- 1373
1017 HWY BB DEERFIELD WI 53531	Email Address:	

8. DNR Use Only

Signed On: 09/20/2017	Submitted By: hastingswell2017	Received On: 09/20/2017	Approved On: 09/21/2017
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WELCH

State of Wis., Dept. of Natural Resources
dnr.wis.gov

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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 ch. NR 141, 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 appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County DANE	WI Unique Well # of Removed Well	Licap #		Facility Name			
Latitude / Longitude (Degrees and Minutes) 43° 03' 03" N		Method Code (see instructions)		Facility ID (FID or PWS)			
89° 14' 76" W				License/Permit/Monitoring #			
1/4 SW 1/4 SW	Section 19	Township 7 N	Range 11 E	Original Well Owner			
Gov't Lot #				Present Well Owner HOPE CHURCH			
Full Street Address 3702 City A.B.				Mailing Address of Present Owner 3702 City A.B.			
Full City, Village or Town COTTAGE GROVE				Well ZIP Code 53558		City of Present Owner McFARLAND	
Subdivision Name				Lot #	State WI	ZIP Code 53558	

Reason For Removal From Service WELL EXPANSION		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			
Well / Drillhole / Borehole Information				Pump and piping removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy)		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Private Well				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.		Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Construction Type:				Was casing cut off below surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Other (specify): _____				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Formation Type:				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			
<input type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock				Required Method of Placing Sealing Material			
Total Well Depth From Ground Surface (ft.) 110		Casing Diameter (in.) 6		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Lower Drillhole Diameter (in.)		Casing Depth (ft.)		<input checked="" type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				Sealing Materials			
If yes, to what depth (feet)? FE		Depth to Water (feet) 10		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
Material Used To Fill Well / Drillhole SHIPPED BENTONITE				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
From (ft.) Surface		To (ft.) 110		No. Yards (Sacks) Sealant or Volume (circle one) 28		Mix Ratio or Mud Weight	
Comments							

Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing RURAL WATER LLC	License # 7063	Date of Filling & Sealing (mm/dd/yyyy) 12/12/2014	Date Received	Noted By	
Street or Route 7210 SCHAROBER LN		Telephone Number 608 873 9836		Comments	
City STOUGHTON	State WI	ZIP Code 53589	Signature of Person Doing Work <i>[Signature]</i>		Date Signed 12/12/14

WELLS

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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Verification Only of Fill and Seal

Route to:

- Drinking Water
- Waste Management

- Watershed/Wastewater
- Other: _____

- Remediation/Redevelopment

Well Location Information

County DANE	WI Unique Well # of Removed Well _____	Map # _____
Latitude / Longitude (Degrees and Minutes) 43° 03.008' N		Method Code (see Instructions) _____
Longitude 89° 14.824' W		_____
1/4 1/4 NE	Section 25	Township 7 N
Gov't Lot # _____	Range 10 W	_____
Well Street Address 7103 Hwy 12-18		
Well City, Village or Town BLOOMING GROVE		Well ZIP Code _____
Subdivision Name _____		Lot # _____

2. Facility / Owner Information

Facility Name Hope Park
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner _____
Present Well Owner DANE COUNTY P.W.
Mailing Address of Present Owner 1919 ALLIANT ENERGY CENTERWAY
City of Present Owner MADISON
State WI
ZIP Code _____

Reason For Removal From Service AND FILL EXPANSION	WI Unique Well # of Replacement Well _____
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Well / Drillhole / Borehole Information	
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 1984
<input checked="" type="checkbox"/> Existing Well	If a Well Construction Report is available, please attach. _____
<input type="checkbox"/> Borehole / Drillhole	_____
Construction Type:	
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)
<input type="checkbox"/> Other (specify): _____	<input type="checkbox"/> Dug

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

Pump and piping removed?	<input checked="" 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
Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" 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

Formation Type:	
<input type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock
Stat Well Depth From Ground Surface (ft.) 264	Casing Diameter (in.) 6
Lower Drillhole Diameter (in.) _____	Casing Depth (ft.) _____
Was well annular space grouted?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Unknown
Yes, to what depth (feet)? _____	Depth to Water (feet) 20

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): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<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

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (Circle one)	Mix Ratio or Mud Weight
CHIPPED BENTONITE	Surface	264	72	

Comments
HEAD PUMP

Supervision of Work			DNR Use Only	
Person or Firm Doing Filling & Sealing RURAL WATER LLC	License # 7063	Date of Filling & Sealing (mm/dd/yyyy) 12/4/2014	Date Received _____	Noted By _____
Street or Route 2210 SCHROEDER LN		Telephone Number 608 873 9836	Comments _____	
City STOUGHTON	State WI	ZIP Code 53589	Signature of Person Doing Work <i>[Signature]</i>	Date Signed 12/12/14

Wis. Dept. of Natural Resources
gov

WELCH

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

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Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County DANE	WI Unique Well # of Removed Well _____	Hicap # _____		Facility Name _____			
Latitude / Longitude (Degrees and Minutes) 43.03049° N 89.14792° W		Method Code (see instructions) _____		Facility ID (FID or PWS) _____			
1/4 SE 1/4 SE Gov't Lot # _____		Section 24	Township 7 N	Range 10 W	License/Permit/Monitoring # _____		
Well Street Address 3725 CITY AFB				Original Well Owner _____			
Well City, Village or Town BLOOMING GROVE				Present Well Owner JULIE ACKER			
Well ZIP Code 53558				Mailing Address of Present Owner 3725 CITY AFB			
Subdivision Name _____				City of Present Owner MCFARLAND	State WI	ZIP Code 53558	

Reason For Removal From Service: **LANDFILL EXPANSION**

WI Unique Well # of Replacement Well: _____

3. Well / Drillhole / Borehole Information				4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well		Original Construction Date (mm/dd/yyyy) _____		Pump and piping removed? <input checked="" 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 checked="" type="checkbox"/> Drilled Well		If a Well Construction Report is available, please attach. _____		Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		Casing left in place? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
<input type="checkbox"/> Borehole / Drillhole		Construction Type: <input type="checkbox"/> Drilled <input checked="" type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Was casing cut off below surface? <input checked="" 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	
Information Type: <input type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Total Well Depth From Ground Surface (ft.) 18		Casing Diameter (in.) 1.25		Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Owner Drillhole Diameter (in.) _____		Casing Depth (ft.) 18		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	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Yes, to what depth (feet)? _____		Depth to Water (feet) 5		Required Method of Placing Sealing Material: <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	

Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Bags or Volume (circle one)	Mix Ratio or Mud Weight
Surface		18	1	

Comments

Supervision of Work				DNR Use Only	
Person or Firm Doing Filling & Sealing RURAL WATER LLC	License # 7063	Date of Filling & Sealing (mm/dd/yyyy) 12/15/2014	Date Received	Noted By	
Street or Route 2210 SCHROEDER LN	City STOUBENTON	State WI	ZIP Code 53589	Telephone Number 608-873-9836	Comments
Signature of Person Doing Work <i>[Signature]</i>				Date Signed 12/16/14	

Wisconsin Department of Natural Resources

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005

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Date of Filling & Sealing: 08/12/2016
Rec #: 148949
Verification. Check only if well filling & sealing was done previously and you are just verifying that work.: No

1. Well Location Information					
County: Dane		WI Unique Well #: FW225		DNR Hicap Well #:	
Latitude: (DD.DDDDD°) 43.02723 °N		Longitude: (DD.DDDDD°) 89.14642 °W		GPS Method Code: GPS008	
Gov't Lot #:	Qtr/Qtr:	Quarter:	Section #: 30	Township #: 7 North	Range #: 11 East
Well Street Address: 3620 CTY AB				Subdivision Name:	
Well City/Village/Town: Town of COTTAGE GROVE		Well Zip Code: 53527	Lot #:	Does a new well replace this well? Yes	
Reason for Filling & Sealing: NEW REPLACEMENT WELL				WI Unique Well # of Replacement Well: YN583	

2. Facility / Owner Information			
Facility Name:		FID #:	License/Permit/Monitoring #:
Original Well Owner:		Service Category:	
Present Well Owner: DANE CTY PUBLIC WORKS		Mailing Address of Present Owner: 1919 ALLIANT ENERGY CENTER WAY	
		City: MADISON	State: WI Zip Code: 53713

3. Well / Drillhole / Borehole Information		
Well Type: Water Well	Original Construction Date: 09/07/1994 (mm/dd/yyyy)	Construction Type: Drilled
Formation Type:	Total Well Depth From Ground Surface (ft.): 303.00	(specify Other):
Casing Diameter (in.): 6.00	Lower Drillhole Diameter (in.):	Casing Depth (ft.): 62.00
Was well annular space grouted?	If yes, to what depth (ft.)?	Depth to Water (ft.): 55.00

4. Pump, Liner, Screen, Casing & Sealing Material					
Pump and piping removed?	Yes	Liner(s) removed? If no liner mark as N/A	No	If no, was liner perforated?	No
Screen removed?	N/A	Well casing (or loop if geothermal) left in place?	Yes	Was casing cut off below surface?	Yes
Did sealing material rise to surface?	Yes	Did material settle after 24 hours?	No	If yes, was hole retopped?	N/A
If bentonite chips were used, were they hydrated from an uncontaminated water source?					Yes
Method of Placing Sealing Material: Screened & Poured (Bentonite Chips)			(Explain Other):		
Water Well Sealing Materials: Bentonite Chips			Monitoring Wells & other Drillholes:		

5. Material Used to Fill Well / Drillhole				
Material:	From (ft.):	To (ft.):	# and Units of Sealant:	Mix Ratio or Mud Weight:
BENTONITE	Surface	250.00	68 SACKS	50 #

PEA GRAVEL	250.00	303.00	2 CU. YARDS	

6. Comments

RELATES TO HI-CAP FILE 13-6-013905 DOES NOT HAVE A HI CAP # PROPERTY 13905 JG

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: RICHARD L STRICKER	License #: 4221	Phone: 608-873-9836
RURAL WATER SERVICE LLC 2210 SCHROEDER LN STOUGHTON WI 53589-3864	Email Address: RLSTRICKER@MSN.COM	

8. DNR Use Only

Signed On: 08/13/2016	Submitted By: strick	Received On: 08/13/2016	Approved On: 08/15/2016
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