Chapter NR 507
APPENDIX V

Appendix V Form A - GROUNDWATER MONITORING WELL INFORMATION FORM

State of Wisconsin
Department of Natural Resources

Location:

Local Grid System

Well Name

DNR Number

Well Location:

E N S W

Established:

Date (mm/dd/yy)

Drill Type

Well Drilled

Completion Date

Completions:

Borehole

Formation:

Geologic Unit

Length

With

PBI

Flow Rate

Casing Material:

Motility of Water (C)

Operational:

Other

Type of Well (T)

Drilled or N

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Register April 2013 No. 688
Form B - MONITORING WELL CONSTRUCTION FORM

State of Wisconsin  Route to: Solid Waste  [ ] Haz. Waste  [ ] Wastewater  [ ] MONITORING WELL CONSTRUCTION
Department of Natural Resources  Env. Response & Repair  [ ] Underground Tanks  [ ] Other  [ ]

Form 4400-113A  Rev. 4-90

Facility/Project Name

Local Grid Location of Well

□ N.  □ E.  □ S.  □ W.

Facility License, Permit or Monitoring Number

Grid Origin Location

Lat. ______ Long. ______ or
St. Plane ______ ft. N. ______ ft. E.

Type of Well: Water Table Observation Well  □ 11 Piezometer  □ 12

Distance Well Is From Waste/Source Boundary ______ ft.

Is Well A Point of Enforcement Std. Application?  □ Yes  □ No

Well Name

Wis. Unique Well Number

DNR Well Number

Date Well Installed  ______ / ______ / ______

Well Installed By: (Persons' Name and Firm)

Location of Well Relative to Waste/Source

□ Upgradient  □ Sidegradient  □ Downgradient  □ Not Known

1. Cap and lock?  □ Yes  □ No

2. Protective cover pipe:
   a. Inside diameter: ______ in.
   b. Length: ______ ft.
   c. Material: Steel  □  Other  □
   d. Additional protection?  □ Yes  □ No
      If yes, describe: ________________________________

3. Surface seal:
   a. Bentonite  □  Other  □

4. Material between well casing and protective pipe:
   a. Bentonite  □

5. Annular space seal:
   a. Granular Bentonite  □
   b. Lbs/gal mud weight  ______ Lbs/gal mud weight
   c. Bentonite slurry  □
   d. % Bentonite  ______
   e. ______ ft³ volume added for any of the above
   f. How installed: Tremie  □  Trench pumped  □  Gravity  □

6. Bentonite seal:
   a. Bentonite granules  □  Bentonite pellets  □
   b. O/4 in.  □  1/2 in.  Bentonite slurry  □
   c. ______ in.
   d. Other  □

7. Fine sand material: Manufacturer, product name, mesh size
   a. Manufacturer:
   b. Volume added ______ ft³

8. Filter pack material: Manufacturer, product name, mesh size
   a. Volume added ______ ft³

9. Well casing:
   a. Flush threaded PVC schedule 40  □
      Flush threaded PVC schedule 80  □

10. Screen Material:
    a. Screen type:
        Factory cut  □  Continuous slot  □
    b. Manufacturer:
    c. Slot size: ______ in.
    d. Slotted length: ______ ft.

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

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

Signature  Firm

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Form C: MONITORING WELL DEVELOPMENT FORM

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT
Form 4400-113B
Rev. 4-90

Route to: Solid Waste [ ] Haz. Waste [ ] Wastewater [ ]
Env. Response & Repair [ ] Underground Tanks [ ] Other [ ]

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) — ft.

5. Inside diameter of well — in.


7. Volume of water removed from well — gal.

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

9. Source of water added: ________________________________

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

11. Before Development
    Depth to Water
    (from top of well casing)
    a. ______ ft.
    __________________ ft.
    Date b. / / mm dd yy
    __________________ / / mm dd yy
    Time c. : a.m.
    __________________ : p.m.

12. Sediments in well bottom — inches

13. Water clarity
    Clear [ ] 10
    Turbid [ ] 15
    (Describe)
    Clear [ ] 20
    Turbid [ ] 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. Additional comments on development:

Well developed by: Person's Name and Firm

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

Signature:

Print Initials: __ __ __

Firm:

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

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Register April 2013 No. 688
### Form D - WELL/DRILLHOLE/BOREHOLE ABANDONMENT FORM

**State of Wisconsin**
Department of Natural Resources

**WELL/DRILLHOLE/BOREHOLE ABANDONMENT**
Form 3300-58
Rev. 12-91

All abandonment work shall be performed in accordance with the provisions of Chapters NR 811, NR 812 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

#### (1) GENERAL INFORMATION

<table>
<thead>
<tr>
<th>Well/Drillhole/Borehole Location</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 of 1/4 of Sec.; T., N., R.</td>
<td>E, W</td>
</tr>
</tbody>
</table>

(if applicable)
Gov't Lot
Grid Location
Grid Number

<table>
<thead>
<tr>
<th>Civil Town Name</th>
<th>Facility Well No. and/or Name (If Applicable)</th>
<th>WI Unique Well No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address of Well</td>
<td>Reason For Abandonment</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City, Village</th>
<th>Date of Abandonment</th>
</tr>
</thead>
</table>

#### (2) FACILITY NAME

<table>
<thead>
<tr>
<th>Present Well Owner</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Original Well Owner (If Known)</th>
</tr>
</thead>
</table>

#### WELL/DRILLHOLE/BOREHOLE INFORMATION

**Original Well/Drillhole/Borehole Construction Completed On**

(Date)
- Monitoring Well
- Water Well
- Drillhole
- Borehole
- Construction Type:
  - Drilled
  - Driven (Sandpoint)
  - Dug
- Other (Specify)
- Formation Type:
  - Unconsolidated Formation
  - Bedrock

<table>
<thead>
<tr>
<th>Total Well Depth (ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing Diameter (ins.)</td>
</tr>
<tr>
<td>Casing Depth (ft.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Was Well Annular Space Grouted?</th>
<th>Yes</th>
<th>No</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>If Yes, To What Depth? (Feet)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Depth to Water (Feet)**

Pump & Piping Removed?
Liner(s) Removed?
Screen Removed?
Casing Left In Place?

If No, Explain
Was Casing Cut Off Below Surface?
Did Sealing Material Rise to Surface?
Did Material Settle After 24 Hours?
If Yes, Was Hole Retopped?

**Required Method of Placing Sealing Material**

- Conductor Pipe-Gravity
- Conductor Pipe-Pumped
- Dump Bailer
- Other (Explain)

<table>
<thead>
<tr>
<th>Sealing Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>For monitoring wells and monitoring well boreholes only</td>
</tr>
</tbody>
</table>

| Neat Cement Grout |
| Sand-Cement (Concrete) Grout |
| Concrete |
| Bentonite Pellets |
| Clay-Sand Slurry |
| Bentonite-Sand Slurry |
| Bentonite-Cement Grout |
| Chipped Bentonite |

**Sealing Material Used**

<table>
<thead>
<tr>
<th>From (Fl.)</th>
<th>To (Fl.)</th>
<th>No. Yards, Sacks Sealant or Volume (Circle One)</th>
<th>Mix Ratio or Mud Weight</th>
</tr>
</thead>
</table>

| Surface |

**Comments:**

**Name of Person or Firm Doing Sealing Work**

<table>
<thead>
<tr>
<th>Signature of Person Doing Work</th>
<th>Date Signed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street or Route</td>
<td>Telephone Number</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>City, State, Zip Code</th>
</tr>
</thead>
</table>
Form E: SOIL BORING LOG INFORMATION FORM

State of Wisconsin
Department of Natural Resources

Route To:
▶ Solid Waste
▶ Emergency Response
▶ Wastewater
▶ Superfund
▶ Haz. Waste
▶ Underground Tanks
▶ Water Resources
▶ Other

SOIL BORING LOG INFORMATION
Form 4400-122
Rev. 5-92

Published under s. 35.93, Wis. Stats., by the Legislative Reference Bureau.

Facility/Project Name

License/Permit/Monitoring Number

Boring Number

Boring Drilled By (Firm name and name of crew chief)

Date Drilling Started

Date Drilling Completed

Drilling Method

Boring Location

State Plane N. E S/C/N Lat. o o

Local Grid Location (If applicable)

1/4 of

1/4 of Section T N. R. E/W Long. o o

Foot S Foot W

Sample

Number and Type

Soil/Rock Description
And Geologic Origin For
Each Major Unit

Soil Properties

USCS

Graphic

Log

Wall Diagram

Pfo/FTD

Compressibility

Compressibility

Maximum Conductivity

Liquid Limit

Plasticity Index

P 300

KCM Comments

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

Signature

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than $10 nor more than $5,000 for each violation. Fined not less than $10 or more than $100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to s 144.99 and 162.06, Wis. Stats.

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### Form F - GROUNDWATER MONITORING INVENTORY FORM

**Department of Natural Resources**

**GROUNDWATER MONITORING INVENTORY FORM**

**Form 3300-67**

**Rev. 8-93**

<table>
<thead>
<tr>
<th>Wisconsin Unique Well Number</th>
<th>□ Add □ Change</th>
<th>Facility ID #</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Last Name, First, MI)</td>
<td>Date</td>
<td>Local Well ID</td>
</tr>
<tr>
<td></td>
<td></td>
<td>High Cap Well #</td>
</tr>
</tbody>
</table>

**Telephone Number**

<table>
<thead>
<tr>
<th>Mailing Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
</tr>
</thead>
</table>

**Facility**

**Primary Contact Name (Last, First, MI)**

**Other Contact Name (Last, First, MI)**

**Telephone Number**

<table>
<thead>
<tr>
<th>Mailing Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
</tr>
</thead>
</table>

**Well Location**

<table>
<thead>
<tr>
<th>Grid or Street Address or Road (if avail.)</th>
</tr>
</thead>
</table>

**Subdivision Name**

<table>
<thead>
<tr>
<th>Lot</th>
<th>Block</th>
</tr>
</thead>
</table>

**Construction Type**

<table>
<thead>
<tr>
<th>Drilled</th>
<th>Dug</th>
<th>Driven Point</th>
<th>Spring</th>
<th>Jetted</th>
<th>Other</th>
</tr>
</thead>
</table>

**Construction Date**

| m m d y y y |

**Well Use**

<table>
<thead>
<tr>
<th>Private Potable</th>
<th>□ Community-Municipal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priv. Non-Potable</td>
<td>Community OTM</td>
</tr>
</tbody>
</table>

**Land Surface**

<table>
<thead>
<tr>
<th>Elevation</th>
<th>ft. MSL</th>
</tr>
</thead>
</table>

**Number of Wells on Property**

**Source of Well Data**

<table>
<thead>
<tr>
<th>□ Well Report</th>
<th>□ Owner/Occupant □ Other*</th>
</tr>
</thead>
</table>

**Depth From Land Surface To:**

<table>
<thead>
<tr>
<th>Bedrock</th>
<th>Casing Diameter</th>
<th>Water Bearing Formation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Bottom</td>
<td>ft.</td>
<td>ft.</td>
</tr>
<tr>
<td>Static Water</td>
<td>ft.</td>
<td>Casing Bottom</td>
</tr>
</tbody>
</table>

**Comments:** Reason for inventory, Samples taken, Directions to property, Details of well location on property.

*For "Other", enter a description in the comment area if needed.*