

FILE
CLOSED 3/26/2003



Alpha Terra Science, Inc.
1237 Pilgrim Road, Plymouth, WI 53073
TEL 920/892-2444 FAX 920/892-2620
Website: www.alphaterra.net
E-mail: alphaterra@alphaterra.net

October 21, 2013

Ms. Kathleen Sylvester
Wisconsin Department of Natural Resources
Oshkosh Service Center
625 East County Road Y, Suite 700
Oshkosh, WI 54901-9731

*mw-c abandoned
w/TCE site.*

RE: Modification of Soil Cap and Well Abandonment Forms, Courtyard Area, A. P. Nonweiler Company, 3321 County A, Oshkosh, Wisconsin, BRRTS # 03-71-306024

Dear Kathy:

Recent construction at the A.P. Nonweiler Company was completed in the "Courtyard" area. The remaining three monitoring wells MW-A, MW-B, and PZ-A were removed from the ground on October 17, 2013 and abandoned with bentonite. The well abandonment forms are attached.

The entire courtyard area is being resurfaced with concrete, which will be installed by the end of October 2013. This cap is equivalent or better than the previously installed cap surface for the Courtyard, and still provides a barrier over remaining contaminated soil.

This portion of the site and BRRTS number was closed by the DNR in a final closure letter dated March 26, 2003. The letter indicates two conditions of closure, that as part of a deed restriction, a surface barrier over remaining soil contamination be maintained, and that a Monitoring Well Maintenance Plan be followed that includes inspection and maintenance of the monitoring wells.

Since the monitoring wells have been removed, the Maintenance Plan requirement as a condition of closure is not longer applicable.

The installation of the new concrete cap will continue to serve as a barrier over remaining contaminated soil. The conditions specified by the DNR closure letter are still being maintained.

I trust this information meets your needs. Please call if you have any questions or comments on this information.

A handwritten signature in black ink that reads 'Kendrick A. Ebbott'.

Kendrick A. Ebbott, P. G.
Senior Hydrogeologist

Attachments: Completed Well Abandonment Forms

Cc: Dr. Mark Nonweiler, 3321 County Road A, Oshkosh, WI 54901 w/ Attachments

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 the 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 WINNEBAGO | | WI Unique Well # of Removed Well MW-A | | Hicap # NA | | Facility Name A. P. NONWEILER COMPANY | |
| Latitude / Longitude (Degrees and Minutes) ____° ____' ____" N ____° ____' ____" W | | | | Facility ID (FID or PWS) FID 471021980 | | | |
| Method Code (see instructions) _____ | | | | License/Permit/Monitoring # BRTS # 03-71-306024 | | | |
| 1/4 SE | | Section 1 | | Township 18 N | | Range 16 E | |
| or Gov't Lot # | | Well Street Address 3321 COUNTY ROAD A (MW-A) | | Original Well Owner A. P. NONWEILER COMPANY | | Present Well Owner SAME | |
| Well City, Village or Town OSHKOSH | | | | Mailing Address of Present Owner 3321 COUNTY ROAD A | | | |
| Subdivision Name | | | | Well ZIP Code 54901 | | City of Present Owner OSHKOSH | |
| | | | | Lot # | | State WI | |
| | | | | | | ZIP Code 54901 | |

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| Reason For Removal From Service Case Closed, Resurface Court and Cap | | WI Unique Well # of Replacement Well _____ | | 4. Pump, Liner, Screen, Casing & Sealing Material | | | |
| 3. Well / Drillhole / Borehole Information | | | | Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | | |
| <input checked="" type="checkbox"/> Monitoring Well | | Original Construction Date (mm/dd/yyyy) JULY / 1998 | | Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | | |
| <input type="checkbox"/> Water Well | | If a Well Construction Report is available, please attach. NA | | Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| <input type="checkbox"/> Borehole / Drillhole | | | | Casing left in place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| Construction Type: <input checked="" type="checkbox"/> Drilled <input 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 | | | |
| <input type="checkbox"/> Other (specify): _____ | | | | Did sealing material rise to surface? <input checked="" 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 material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| Total Well Depth From Ground Surface (ft.) 25.7 | | | | If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| Casing Diameter (in.) 2 | | | | 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 | | | |
| Lower Drillhole Diameter (in.) 8" | | | | Required Method of Placing Sealing Material | | | |
| Casing Depth (ft.) | | | | <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped | | | |
| Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | | | <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____ | | | |
| If yes, to what depth (feet)? 14 | | | | Sealing Materials | | | |
| Depth to Water (feet) 5.5 | | | | <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 type="checkbox"/> Bentonite Chips | | | |

| | | | | | | | |
|--|--|-----------------------|--|---|--|---|--|
| 5. Material Used To Fill Well / Drillhole | | | | For Monitoring Wells and Monitoring Well Boreholes Only: | | | |
| Bentonite | | From (ft.) Surface | | To (ft.) 25.7 | | No. Yards, Sacks Sealant or Volume (circle one) 1 1/2 Bags (50# BTE) | |
| | | | | | | Mix Ratio or Mud Weight | |
| | | | | | | | |
| | | | | <input checked="" type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout | | | |
| | | | | <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry | | | |

6. Comments
Well Removed and hole filled with bentonite.

| | | | | | | | |
|--|--|-------------|--|--|--|------------------------------------|--|
| 7. Supervision of Work | | | | DNR Use Only | | | |
| Name of Person or Firm Doing Filling & Sealing Mark Nonweiler | | License # | | Date of Filling & Sealing (mm/dd/yyyy) 10/17/2013 | | Date Received | |
| Street or Route 3321 County Road A | | | | Telephone Number (920) 231-0850 | | Comments | |
| City Oshkosh | | State WI | | ZIP Code 54901 | | Signature of Person Doing Work | |
| | | | | Date Signed | | | |

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 the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water
 Waste Management

Watershed/Wastewater
 Other: _____

Remediation/Redevelopment

1. Well Location Information

County: WINNEBAGO WI Unique Well # of Removed Well: P2-A Hicap #: NA

Latitude / Longitude (Degrees and Minutes): _____ 'N
_____ 'W

Method Code (see instructions): _____

1/4 SE Section 1 Township 18 N Range 16 E

Well Street Address: 3321 COUNTY ROAD A (P2-A)

Well City, Village or Town: OSHKOSH Well ZIP Code: 54901

Subdivision Name: _____ Lot #: _____

2. Facility / Owner Information

Facility Name: A. P. NONWEILER COMPANY

Facility ID (FID or PWS): FID 471021980

License/Permit/Monitoring #: BRES # 03-71-306024

Original Well Owner: A. P. NONWEILER COMPANY

Present Well Owner: SAME

Mailing Address of Present Owner: 3321 COUNTY ROAD A

City of Present Owner: OSHKOSH State: WI ZIP Code: 54901

Reason For Removal From Service: Case Closed, Resurface Court and Cap

3. Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): SEPT / 1999

If a Well Construction Report is available, please attach: NA

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.): 50' Casing Diameter (in.): 2"

Lower Drillhole Diameter (in.): 6" Casing Depth (ft.): _____

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? 43 Depth to Water (feet): 10.5

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

Pump and piping removed? Yes No N/A

Liner(s) removed? 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 Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry "
 Concrete 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 |
|-----------|------------|----------|---|-------------------------|
| Bentonite | Surface | 50 | 3 BAGS (50# 8965) | |

6. Comments

Well Removed and hole filled with bentonite.

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing: Mark Nonweiler License #: _____ Date of Filling & Sealing (mm/dd/yyyy): 10/17/2013 Date Received: _____ Noted By: _____

Street or Route: 3321 County Road A Telephone Number: (920) 231-0850 Comments: _____

City: Oshkosh State: WI ZIP Code: 54901 Signature of Person Doing Work: _____ Date Signed: _____

DNR Use Only

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 the 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 WINNEBAGO | | WI Unique Well # of Removed Well MW-B | | Hicap # NA | | Facility Name A. P. NONWEILER COMPANY | |
| Latitude / Longitude (Degrees and Minutes) ____ ° ____ ' N ____ ° ____ ' W | | | | Facility ID (FID or PWS) FID 471021980 | | | |
| Method Code (see instructions) | | | | License/Permit/Monitoring # BRES # 03-71-306024 | | | |
| 1/4 SE | | Section 1 | | Township 18 N | | Range 16 E | |
| or Gov't Lot # | | | | | | Original Well Owner A. P. NONWEILER COMPANY | |
| Well Street Address 3321 COUNTY ROAD A (MW-B) | | | | Present Well Owner SAME | | | |
| Well City, Village or Town OSHKOSH | | | | Mailing Address of Present Owner 3321 COUNTY ROAD A | | | |
| Subdivision Name | | | | Well ZIP Code 54901 | | City of Present Owner OSHKOSH | |
| | | | | Lot # | | State WI | |
| | | | | | | ZIP Code 54901 | |

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| Reason For Removal From Service Case Closed, Resurface Courtyard Cap | | WI Unique Well # of Replacement Well _____ | | 4. Pump, Liner, Screen, Casing & Sealing Material | | | |
| 3. Well / Drillhole / Borehole Information | | | | Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | | |
| <input checked="" type="checkbox"/> Monitoring Well | | Original Construction Date (mm/dd/yyyy) JULY / 1998 | | Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | | | |
| <input type="checkbox"/> Water Well | | If a Well Construction Report is available, please attach. NA | | Screen removed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| <input type="checkbox"/> Borehole / Drillhole | | | | Casing left in place? <input type="checkbox"/> Yes <input checked="" 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 yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | | | |
| <input checked="" type="checkbox"/> Unconsolidated Formation | | <input type="checkbox"/> Bedrock | | 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.) 25.5 | | Casing Diameter (in.) 2 | | Required Method of Placing Sealing Material | | | |
| Lower Drillhole Diameter (in.) 8 | | Casing Depth (ft.) | | <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped | | | |
| Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | Depth to Water (feet) 5.2 | | <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____ | | | |
| if yes, to what depth (feet)? 14 | | | | 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 type="checkbox"/> Bentonite Chips | | | |
| | | | | For Monitoring Wells and Monitoring Well Boreholes Only: | | | |
| | | | | <input checked="" 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 |
|---|------------|----------|---|-------------------------|
| Bentonite | Surface | 25.5 | 1 1/2 BRES (50# BRES) | (YES) |
| | | | | |
| | | | | |

6. Comments
Well Removed and hole filled with bentonite.

| | | | | | |
|--|--|---------------|------------------------------------|---------------------|----------|
| 7. Supervision of Work | | | | DNR Use Only | |
| Name of Person or Firm Doing Filling & Sealing Mark Nonweiler | | License # | | Date Received | |
| Date of Filling & Sealing (mm/dd/yyyy) 10/17/2013 | | Date Received | | Noted By | |
| Street or Route 3321 County Road A | | | Telephone Number (920) 231-0850 | | Comments |
| City Oshkosh | | State WI | | ZIP Code 54901 | |
| Signature of Person Doing Work | | | | Date Signed | |