



November 6, 2015

Ms. Elizabeth S. Werner, P.G. Via email elizabeth.werner@ncdenr.gov
Permitting Hydrogeologist
North Carolina Department of Environmental Quality
Division of Waste Management – Solid Waste Section
217 W Jones Street
Raleigh, NC 27603

Subject: Colon Mine Site (Permit 5306-STRUC-2015) – Monitoring Well Abandonment

Dear Ms. Werner,

HDR, on behalf of Charah, Inc. (Charah), was tasked with monitoring well abandonment of twenty-two (22) groundwater monitoring wells at the Charah Colon Mine Site in Sanford, Lee County, North Carolina. This work was performed following the completion of initial permitting activities. HDR is hereby submitting this summary of events to resolve the matter concerning groundwater monitoring well abandonment at the site.

On September 21, 2015, Buxton Environmental, Inc. representative Ross Klingman, P.G. discussed proper closure and required over-drilling abandonment techniques for the groundwater monitoring wells with the North Carolina Department of Environmental Quality (NCDEQ), Division of Waste Management (DWM) – Solid Waste Section. Charah contracted with HDR to perform the abandonment work at the site. That work included abandonment of twenty-two (22) groundwater monitoring wells (See Attachment 1 - Table) per NCDEQ requirements.

On September 28, 2015 through October 15, 2015, Stefan Smith (NC LIC#3567A) with South Atlantic Environmental Drilling and Construction Company, Inc. of Fort Mill, South Carolina abandoned the aforementioned groundwater monitoring wells and submitted the paperwork to the NCDEQ DWM (See Attachment 2 – Forms).

If there are any questions regarding this summary, please do not hesitate to contact us.

Sincerely,
HDR Engineering, Inc. of the Carolinas



Michael Plummer, P.E.
Project Manager

Sean Quarry
Environmental Specialist

Attachments:
Attachment 1 – Abandonment Details Table
Attachment 2 – NCDEQ Abandonment Forms

cc: Glenn Amey, Charah, Inc.
James Easter, Charah, Inc.
Collin Mummert, Charah, Inc.
Michael Batten, HDR, Inc.
Sarah Townsend, HDR, Inc.

Charah Colon Mine Site - Well Abandonment Details

<i>Well ID</i>	<i>Northing</i>	<i>Easting</i>	<i>Grd. Elev. (ft)</i>	<i>TD bgs Orig. Piezometer (ft)</i>	<i>TD bgs Overdrill (ft)</i>	<i>Grout (gal)</i>	<i>Date(s) Overdrilled</i>	<i>Auger Size</i>	<i>Hole Diameter (approx. OD)</i>	<i>Comments</i>
PZ-2 DBL	650106.2993	1958395.6518	274.31	30.10	31	80	10/13/2015	6 5/8	11	-
PZ-3 DBL	650924.7874	1958931.4060	296.20	37.05	38	210	9/29/2015	6 5/8	11	-
PZ-4	651300.4613	1958039.1979	296.82	36.70	37	80	10/9/2015	4 1/4	8	-
PZ-4D	651300.4613	1958039.1979	297.25	52.00	42	120	10/14/2015	4 1/4	8	Added ~15 gal Aquaguard grout prior to drilling to fill rock zone.
PZ-5	650694.3781	1958314.5239	289.11	33.80	35	80	10/13/2015	4 1/4	8	-
PZ-6	651600.8528	1958594.8783	283.48	33.80	35	60	10/6/2015	4 1/4	8	-
PZ-8	651403.7593	1959260.0922	302.56	41.90	43	95	9/30/2015	4 1/4	8	-
PZ-9	651911.8614	1959545.1871	285.74	39.00	40	160	9/30/2015	6 5/8	11	-
PZ-10	651917.0792	1960181.3457	263.48	27.15	28	60	10/5/2015	6 5/8	11	Variance from 4 1/4" to 6 5/8" auger due to soil conditions
PZ-11	652280.8059	1958527.1881	259.56	24.75	25	60	10/6/2015	4 1/4	8	-
PZ-12	652412.594	1957871.631	284.32	30.60	31	70	10/6/2015	4 1/4	8	-
PZ-13	651783.8317	1957937.0226	293.48	33.65	34	60	10/7/2015	4 1/4	8	-
PZ-14	651508.8837	1957409.2367	319.44	35.00	34	80	10/7/2015	4 1/4	8	-
PZ-15 DBL	651954.8447	1957451.5553	300.63	28.70	29	120	10/7/2015	6 5/8	11	-
PZ-16	652618.1656	1957291.7517	270.63	24.00	25	55	10/7/2015	4 1/4	8	-
PZ-17 DBL	651861.7974	1956740.0471	304.00	44.70	45	70	10/12/2015	6 5/8	11	Switch from 6 5/8" hollow stem auger to tricone mud rotary at approximately 20' bgs
PZ-18	652256.1078	1957059.0998	292.27	43.50	44	80	10/8/2015	4 1/4	8	-
PZ-19	651844.7690	1958458.4688	265.99	24.70	25	35	10/13/2015	4 1/4	8	-
PZ-20	651321.0579	1957850.9119	296.51	24.50	25	60	10/9/2015	4 1/4	8	-
PZ-21	650986.0469	1959390.0540	287.09	31.50	30	60	9/30/2015	4 1/4	8	-
PZ-22	652256.2297	1960132.2007	245.67	21.00	21	40	10/5/2015	4 1/4	8	-
PZ-23	650475.1456	1958844.5574	281.02	35.00	35	78	9/28/2015	4 1/4	8	-

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / , /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 9-28-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806 N 79.155759 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: PZ23

6b. Total well depth: 35 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: dry (ft.)

6e. Outer casing length (if known): 25 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: _____

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:60gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature: Certified Well Contractor or Well Owner

10/18/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / , /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 9-29-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: PZ3&3S

6b. Total well depth: 39 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 22~ (ft.)

6e. Outer casing length (if known): 14/27 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 2

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): >2.5 gallons (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:350lb ,Wtr:120gal. Aqua-guard Amount:140 gallons

7g. Provide a brief description of the abandonment procedure:

Two 2" wells nested in one bore hole, overdrilled and grouted. Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature: Certified Well Contractor or Well Owner

10/18/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Stefan Smith
Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A
NC Well Contractor Certification Number

SAEDACCO Inc
Company Name

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1
For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

2. Well Construction Permit #: _____
List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under 7g)

7e. Sealing materials used (check all that apply):

<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Bentonite Chips or Pellets
<input type="checkbox"/> Sand Cement Grout	<input type="checkbox"/> Dry Clay
<input type="checkbox"/> Concrete Grout	<input type="checkbox"/> Drill Cuttings
<input type="checkbox"/> Specialty Grout	<input type="checkbox"/> Gravel
<input checked="" type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:

Bentonite.:100lb ,Wtr:60gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

4. Date well(s) abandoned: 9-30-2015

5a. Well location:

Green Meadow
Facility/Owner Name

_____ Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County
Physical Address, City, and Zip

Lee
County

_____ Parcel Identification No. (PIN)

8. Certification:



Signature: Certified Well Contractor or Well Owner

10/18/2015
Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806 N 79.155759 W

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

6a. Well ID#: PZ21

6b. Total well depth: 32 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: dry (ft.)

6e. Outer casing length (if known): 22 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Stefan Smith
Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A
NC Well Contractor Certification Number

SAEDACCO Inc
Company Name

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1
For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): >2 gallons (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

2. Well Construction Permit #: _____
List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:	
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Public
<input type="checkbox"/> Geothermal (Heating/Cooling Supply)	<input type="checkbox"/> Residential Water Supply (single)
<input type="checkbox"/> Industrial/Commercial	<input type="checkbox"/> Residential Water Supply (shared)
<input type="checkbox"/> Irrigation	
Non-Water Supply Well:	
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Recovery
Injection Well:	
<input type="checkbox"/> Aquifer Recharge	<input type="checkbox"/> Groundwater Remediation
<input type="checkbox"/> Aquifer Storage and Recovery	<input type="checkbox"/> Salinity Barrier
<input type="checkbox"/> Aquifer Test	<input type="checkbox"/> Stormwater Drainage
<input type="checkbox"/> Experimental Technology	<input type="checkbox"/> Subsidence Control
<input type="checkbox"/> Geothermal (Closed Loop)	<input type="checkbox"/> Tracer
<input type="checkbox"/> Geothermal (Heating/Cooling Return)	<input type="checkbox"/> Other (explain under 7g)

7e. Sealing materials used (check all that apply):

<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Bentonite Chips or Pellets
<input type="checkbox"/> Sand Cement Grout	<input type="checkbox"/> Dry Clay
<input type="checkbox"/> Concrete Grout	<input type="checkbox"/> Drill Cuttings
<input type="checkbox"/> Specialty Grout	<input type="checkbox"/> Gravel
<input checked="" type="checkbox"/> Bentonite Slurry	<input type="checkbox"/> Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:

Bentonite.:100lb ,Wtr:60gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

4. Date well(s) abandoned: 9-30-2015

5a. Well location:

Green Meadow
Facility/Owner Name Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County
Physical Address, City, and Zip

Lee
County Parcel Identification No. (PIN)

8. Certification:

Stefan J. Smith 10/18/2015
Signature Certified Well Contractor or Well Owner Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806 N 79.155759 W

9. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

SUBMITTAL INSTRUCTIONS

6a. Well ID#: PZ8

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

6b. Total well depth: 42 (ft.)

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 36 (ft.)

6e. Outer casing length (if known): 32 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / , /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: PZ10

6b. Total well depth: 27 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 27~ (ft.)

6e. Outer casing length (if known): 17 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): >.5 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature: Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806 N 79.155759 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: PZ6

6b. Total well depth: 34 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 17 (ft.)

6e. Outer casing length (if known): 34 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 2.5 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature: Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ11

6b. Total well depth: 25 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 11 (ft.)

6e. Outer casing length (if known): 15 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 2.5 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:100lb ,Wtr:30gal. Aqua-guard Amount:40 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ12

6b. Total well depth: 31 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: dry (ft.)

6e. Outer casing length (if known): 21 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:70 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ16

6b. Total well depth: 24 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 11 (ft.)

6e. Outer casing length (if known): 14 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 2 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:70 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ13

6b. Total well depth: 34 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 31 (ft.)

6e. Outer casing length (if known): 24 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 1 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:60 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 9-30-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806 N 79.155759 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ15/15s

6b. Total well depth: 29 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 16~ (ft.)

6e. Outer casing length (if known): 14/29 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 2

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 2.5 gallons (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:300lb ,Wtr:90gal. Aqua-guard Amount:120 gallons

7g. Provide a brief description of the abandonment procedure:

Two 2" wells nested in one bore hole, overdrilled and grouted. Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/18/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ14

6b. Total well depth: 35 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 36 (ft.)

6e. Outer casing length (if known): 25 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 1 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ18

6b. Total well depth: 44 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: dry (ft.)

6e. Outer casing length (if known): 34 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-12-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ17/17s

6b. Total well depth: 45 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 30 (ft.)

6e. Outer casing length (if known): 15/35 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 2

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 2.5 gallons (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:300lb ,Wtr:90gal. Aqua-guard Amount:120 gallons

7g. Provide a brief description of the abandonment procedure:

Two 2" wells nested in one bore hole, overdrilled and grouted. Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/18/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-9-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ20

6b. Total well depth: 25 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: dry (ft.)

6e. Outer casing length (if known): 15 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:60 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-13-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ2/2s

6b. Total well depth: 30 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 0/14 (ft.)

6e. Outer casing length (if known): 4/20 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 2

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 2.5 gallons (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:300lb ,Wtr:90gal. Aqua-guard Amount:120 gallons

7g. Provide a brief description of the abandonment procedure:

Two 2" wells nested in one bore hole, overdrilled and grouted. Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/18/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-9-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ4

6b. Total well depth: 37 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 15 (ft.)

6e. Outer casing length (if known): 26 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 2 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-9-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ5

6b. Total well depth: 34 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 29 (ft.)

6e. Outer casing length (if known): 24 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 2 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-9-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ19

6b. Total well depth: 25 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 0 (ft.)

6e. Outer casing length (if known): 15 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s) 0 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:60 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- Monitoring Recovery

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-9-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ4D

6b. Total well depth: 52 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: 15 (ft.)

6e. Outer casing length (if known): 47 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 5 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): 4 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:250lb ,Wtr:100gal. Aqua-guard Amount:120 gallons

7g. Provide a brief description of the abandonment procedure:

Well was tremie grouted in place then was overdrilled with augers to rock (42feet) then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

WELL ABANDONMENT RECORD

This form can be used for single or multiple wells.

1. Well Contractor Information:

Stefan Smith

Well Contractor Name (or well owner personally abandoning well on his/her property)

3576A

NC Well Contractor Certification Number

SAEDACCO Inc

Company Name

2. Well Construction Permit #: / /

List all applicable well permits (i.e. County, State, Variance, Injection, etc.) if known

3. Well use (check well use):

Water Supply Well:

- | | |
|--|--|
| <input type="checkbox"/> Agricultural | <input type="checkbox"/> Municipal/Public |
| <input type="checkbox"/> Geothermal (Heating/Cooling Supply) | <input type="checkbox"/> Residential Water Supply (single) |
| <input type="checkbox"/> Industrial/Commercial | <input type="checkbox"/> Residential Water Supply (shared) |
| <input type="checkbox"/> Irrigation | |

Non-Water Supply Well:

- | | |
|--|-----------------------------------|
| <input checked="" type="checkbox"/> Monitoring | <input type="checkbox"/> Recovery |
|--|-----------------------------------|

Injection Well:

- | | |
|--|---|
| <input type="checkbox"/> Aquifer Recharge | <input type="checkbox"/> Groundwater Remediation |
| <input type="checkbox"/> Aquifer Storage and Recovery | <input type="checkbox"/> Salinity Barrier |
| <input type="checkbox"/> Aquifer Test | <input type="checkbox"/> Stormwater Drainage |
| <input type="checkbox"/> Experimental Technology | <input type="checkbox"/> Subsidence Control |
| <input type="checkbox"/> Geothermal (Closed Loop) | <input type="checkbox"/> Tracer |
| <input type="checkbox"/> Geothermal (Heating/Cooling Return) | <input type="checkbox"/> Other (explain under 7g) |

4. Date well(s) abandoned: 10-5-2015

5a. Well location:

Green Meadow

Facility/Owner Name

Facility ID# (if applicable)

352 Brickyard Road, Sanford NC 27330 Lee County

Physical Address, City, and Zip

Lee

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:

(if well field, one lat/long is sufficient)

35.527806

N

79.155759

W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED

Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

6a. Well ID#: PZ22

6b. Total well depth: 21 (ft.)

6c. Borehole diameter: 2 (in.)

6d. Water level below ground surface: dry (ft.)

6e. Outer casing length (if known): 11 (ft.)

6f. Inner casing/tubing length (if known): _____ (ft.)

6g. Screen length (if known): 10 (ft.)

For Internal Use ONLY:

WELL ABANDONMENT DETAILS

7a. Number of wells being abandoned: 1

For multiple injection or non-water supply wells ONLY with the same construction abandonment, you can submit one form.

7b. Approximate volume of water remaining in well(s): _____ (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: none

7d. Amount of disinfectant used: _____

7e. Sealing materials used (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Neat Cement Grout | <input type="checkbox"/> Bentonite Chips or Pellets |
| <input type="checkbox"/> Sand Cement Grout | <input type="checkbox"/> Dry Clay |
| <input type="checkbox"/> Concrete Grout | <input type="checkbox"/> Drill Cuttings |
| <input type="checkbox"/> Specialty Grout | <input type="checkbox"/> Gravel |
| <input checked="" type="checkbox"/> Bentonite Slurry | <input type="checkbox"/> Other (explain under 7g) |

7f. For each material selected above, provide amount of materials used:

Bentonite.:200lb ,Wtr:70gal. Aqua-guard Amount:80 gallons

7g. Provide a brief description of the abandonment procedure:

Well was overdrilled with augers then bore hole tremie grouted.

8. Certification:

Stefan J. Smith

Signature of Certified Well Contractor or Well Owner

10/25/2015

Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.