



2725 E. Millbrook Road, Suite 121  
Raleigh, North Carolina 27604  
www.atc-enviro.com  
(919) 871-0999  
Fax (919) 871-0335

September 21, 2005

Ms. Cindy Rintoul  
**North Carolina Department of Environment and Natural Resources (NCDENR)**  
**Winston-Salem Regional Office**  
Division of Waste Management - UST Section  
585 Waughtown Street  
Winston-Salem, North Carolina 27107

RECEIVED  
N.C. Dept. of ENR

SEP 26 2005

Winston-Salem  
Regional Office

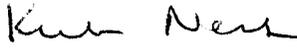
Re: Well Abandonment  
**Former Elm Street Sunoco**  
DUNS #0275-7516  
2903 South Elm Street  
Greensboro, North Carolina  
NCDENR Incident No. 10076

Dear Ms. Rintoul:

ATC Associates Inc. (ATC), on behalf of Sunoco, Inc (R&M), is submitting the attached well abandonment records for the above referenced site. On September 9, 2005, monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5 and MW-6 were abandoned by Geologic Exploration, Inc., a licensed North Carolina drilling contractor. The monitoring wells were abandoned in place by removing the steel protective well cover and injecting a cement/bentonite mixture into the monitoring well. If there are any questions regarding this matter, please contact our office at (919) 871-0999.

Sincerely,

**ATC Associates Inc.**

  
Kurt H. Ness, P.G.  
Senior Project Manager

Attachment: Well Abandonment Records

cc: Mike Byrne - Sunoco, Inc. (R&M)  
Yvonne Monti - Sunoco, Inc. (R&M)  
Janet Fonville - Guilford County Department of Public Health

**WELL ABANDONMENT RECORD**

WELL CONTRACTOR Johnny Burr/Geologic Exploration, Inc.

WELL CONTRACTOR CERTIFICATION # 3098

1. WELL USE (Check Applicable Box): Residential  Municipal  Industrial  Agricultural  Monitoring   
Recovery  Heat Pump Water Injection  Other  If Other, List Use: \_\_\_\_\_

2. WELL LOCATION: (Show a sketch of the location on back of form.)

Nearest Town: Greensboro County Guilford

2903 S. Elm -Eugene Street

(Road Name and Number, Community, Subdivision, Lot No.)

Quadrangle No. \_\_\_\_\_

3. OWNER: Sunoco, Inc. (R & M)

4. ADDRESS: 3499 W. Broad Street/Columbus, OH 43204

5. TOPOGRAPHY:  draw,  slope,  hilltop,  valley,  flat  
(circle one)

6. TOTAL DEPTH: 30.0 Feet DIAMETER 4 Inch

7. CASING REMOVED:

<u>feet</u>	<u>diameter</u>
<u>N/A</u>	<u>N/A</u>

8. DISINFECTION: N/A  
(Amount of 70% hypochlorite used:)

9. SEALING MATERIAL:

<u>Neat Cement</u>	<u>Sand Cement</u>
bags of cement <u>-</u>	bags of cement <u>-</u>
gallons of water <u>-</u>	gallons of water <u>-</u>

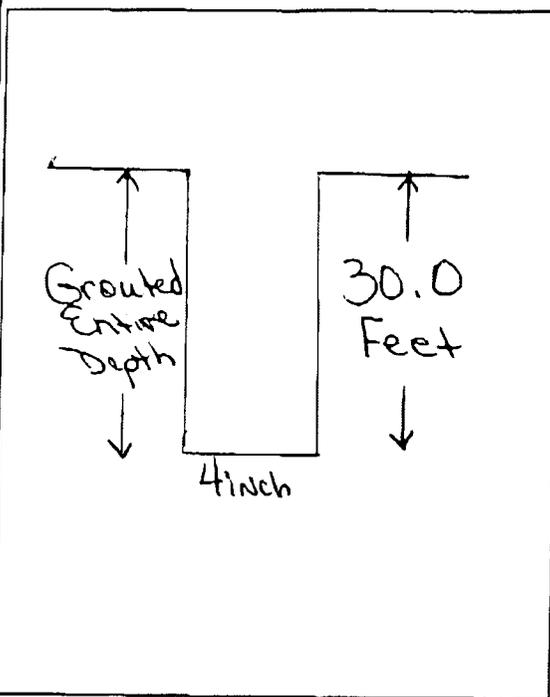
Other  
Type material Portland Bentonite Slurry  
Amount 22.5 Gallons

10. EXPLAIN METHOD EMPLACEMENT OF MATERIAL.

MW-1  
VIA TREMIE PIPE

11. DATE WELL ABANDONED 09/09/05

WELL DIAGRAM: Draw a detailed sketch of the well showing total depth, depth and diameter of screens remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.



I do hereby certify that this well was abandoned in accordance with 15A NCAC 2C, well construction standards, and that a copy of the record has been provided to the well owner.

Signature of person abandoning the well Johnny Burr Date 9/21/05

WELL LOCATION: Draw a location sketch on the reverse of this sheet, showing the direction and distance of the well to at least two (2) nearby reference points such as roads, intersections and streams. Identify roads with State Highway road identification numbers.

Submit original to the Division of Water Quality, Attn: Information Management- 1617 Mail Service Center - Raleigh, NC 27699-1617, Phone No. (919) 733-7015, and one copy to the owner within 30 days from completion of abandonment.

North Carolina Department of Environment and Natural Resources - Division of Water Quality

**WELL ABANDONMENT RECORD**

WELL CONTRACTOR Johnny Burr/Geologic Exploration, Inc.

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2. WELL LOCATION: (Show a sketch of the location on back of form.)

Nearest Town: Greensboro

County Gullford

2903 S. Elm -Eugene Street

(Road Name and Number, Community, Subdivision, Lot No.)

Quadrangle No. \_\_\_\_\_

3. OWNER: Sunoco, Inc. (R & M)

4. ADDRESS: 3499 W. Broad Street/Columbus, OH 43204

5. TOPOGRAPHY:  draw,  slope,  hilltop,  valley,  flat  
(circle one)

6. TOTAL DEPTH: 26.0 Feet DIAMETER 4 Inch

7. CASING REMOVED:

feet diameter  
N/A N/A

8. DISINFECTION: N/A

(Amount of 70% hypochlorite used:)

9. SEALING MATERIAL:

Neat Cement Sand Cement  
bags of cement - \_\_\_\_\_  
gallons of water - \_\_\_\_\_

Other  
Type material Portland Bentonite Slurry  
Amount 19.5 Gallons

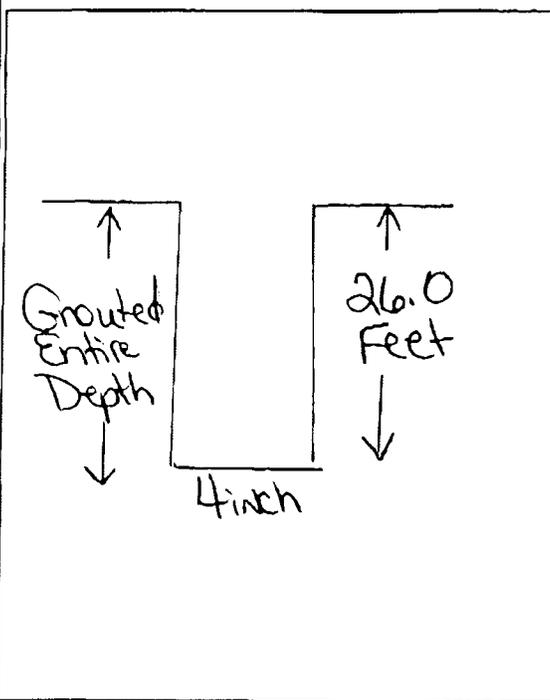
10. EXPLAIN METHOD EMPLACEMENT OF MATERIAL.

MW-2

VIA TREMIE PIPE

11. DATE WELL ABANDONED 09/09/05

WELL DIAGRAM: Draw a detailed sketch of the well showing total depth, depth and diameter of screens remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.



I do hereby certify that this well was abandoned in accordance with 15A NCAC 2C, well construction standards, and that a copy of the record has been provided to the well owner.

Signature of person abandoning the well Johnny Burr Date 9/21/05

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North Carolina Department of Environment and Natural Resources - Division of Water Quality

**WELL ABANDONMENT RECORD**

WELL CONTRACTOR Johnny Burr/Geologic Exploration, Inc.

WELL CONTRACTOR CERTIFICATION # 3098

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Recovery  Heat Pump Water Injection  Other  If Other, List Use: \_\_\_\_\_

2. WELL LOCATION: (Show a sketch of the location on back of form.)

Nearest Town: Greensboro County Guilford

2903 S. Elm -Eugene Street

(Road Name and Number, Community, Subdivision, Lot No.)

Quadrangle No. \_\_\_\_\_

3. OWNER: Sunoco, Inc. (R & M)

4. ADDRESS: 3499 W. Broad Street/Columbus, OH 43204

5. TOPOGRAPHY:  draw,  slope,  hilltop,  valley,  flat  
(circle one)

6. TOTAL DEPTH: 26.0 Feet DIAMETER 4 Inch

7. CASING REMOVED:

feet diameter  
N/A N/A

8. DISINFECTION: N/A  
(Amount of 70% hypochlorite used:)

9. SEALING MATERIAL:

Neat Cement Sand Cement  
bags of cement - bags of cement -  
gallons of water - gallons of water -

Other  
Type material Portland Bentonite Slurry  
Amount 19.5 Gallons

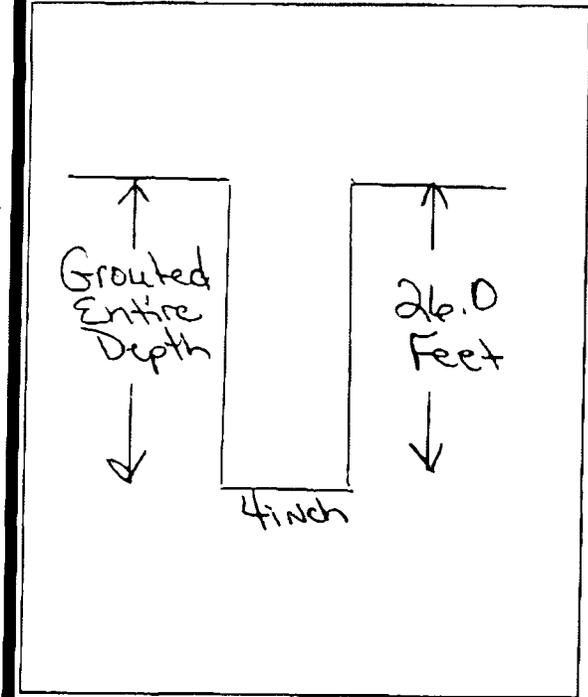
10. EXPLAIN METHOD EMPLACEMENT OF MATERIAL.

MW-3

VIA TREMIE PIPE

11. DATE WELL ABANDONED 09/09/05

WELL DIAGRAM: Draw a detailed sketch of the well showing total depth, depth and diameter of screens remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.



I do hereby certify that this well was abandoned in accordance with 15A NCAC 2C, well construction standards, and that a copy of the record has been provided to the well owner.

Signature of person abandoning the well Johnny Burr Date 9/21/05

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North Carolina Department of Environment and Natural Resources - Division of Water Quality

**WELL ABANDONMENT RECORD**

WELL CONTRACTOR Johnny Burr/Geologic Exploration, Inc.

WELL CONTRACTOR CERTIFICATION # 3098

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Recovery  Heat Pump Water Injection  Other  If Other, List Use: \_\_\_\_\_

2. WELL LOCATION: (Show a sketch of the location on back of form.)

Nearest Town: Greensboro County Gulford

2903 S. Elm -Eugene Street

(Road Name and Number, Community, Subdivision, Lot No.) Quadrangle No.

3. OWNER: Sunoco, Inc. (R & M)

4. ADDRESS: 3499 W. Broad Street/Columbus, OH 43204

5. TOPOGRAPHY:  draw,  slope,  hilltop,  valley,  flat  
(circle one)

6. TOTAL DEPTH: 25.0 Feet DIAMETER 4 Inch

7. CASING REMOVED:

<u>feet</u>	<u>diameter</u>
<u>N/A</u>	<u>N/A</u>

8. DISINFECTION: N/A  
(Amount of 70% hypochlorite used:)

9. SEALING MATERIAL:

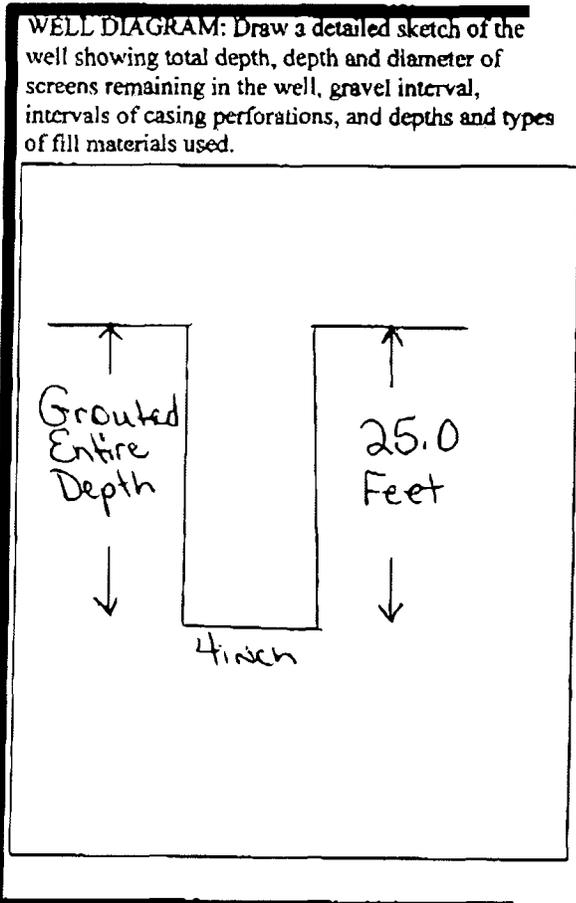
<u>Neat Cement</u>	<u>Sand Cement</u>
bags of cement <u>-</u>	bags of cement <u>-</u>
gallons of water <u>-</u>	gallons of water <u>--</u>

Other  
Type material Portland Bentonite Slurry  
Amount 19.0 Gallons

10. EXPLAIN METHOD EMPLACEMENT OF MATERIAL.

MW-4  
VIA TREMIE PIPE

11. DATE WELL ABANDONED 09/09/05



I do hereby certify that this well was abandoned in accordance with 15A NCAC 2C, well construction standards, and that a copy of the record has been provided to the well owner.

Signature of person abandoning the well Johnny Burr Date 9/21/05

WELL LOCATION: Draw a location sketch on the reverse of this sheet, showing the direction and distance of the well to at least two (2) nearby reference points such as roads, intersections and streams. Identify roads with State Highway road identification numbers.

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**WELL ABANDONMENT RECORD** WELL CONTRACTOR Johnny Burr/Geologic Exploration, Inc.

WELL CONTRACTOR CERTIFICATION # 3098

1. WELL USE (Check Applicable Box): Residential  Municipal  Industrial  Agricultural  Monitoring   
Recovery  Heat Pump Water Injection  Other  If Other, List Use: \_\_\_\_\_

2. WELL LOCATION: (Show a sketch of the location on back of form.)

Nearest Town: Greensboro County Guilford

2903 S. Elm -Eugene Street

(Road Name and Number, Community, Subdivision, Lot No.)

Quadrangle No. \_\_\_\_\_

3. OWNER: Sunoco, Inc. (R & M)

4. ADDRESS: 3499 W. Broad Street/Columbus, OH 43204

5. TOPOGRAPHY:  draw,  slope,  hilltop,  valley,  flat  
(circle one)

6. TOTAL DEPTH: 48.0 Feet DIAMETER 2 Inch

7. CASING REMOVED:

	<u>feet</u>	<u>diameter</u>
<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

8. DISINFECTION: N/A  
(Amount of 70% hypochlorite used:)

9. SEALING MATERIAL:

<u>Neat Cement</u>	<u>Sand Cement</u>
bags of cement - _____	bags of cement - _____
gallons of water - _____	gallons of water - _____

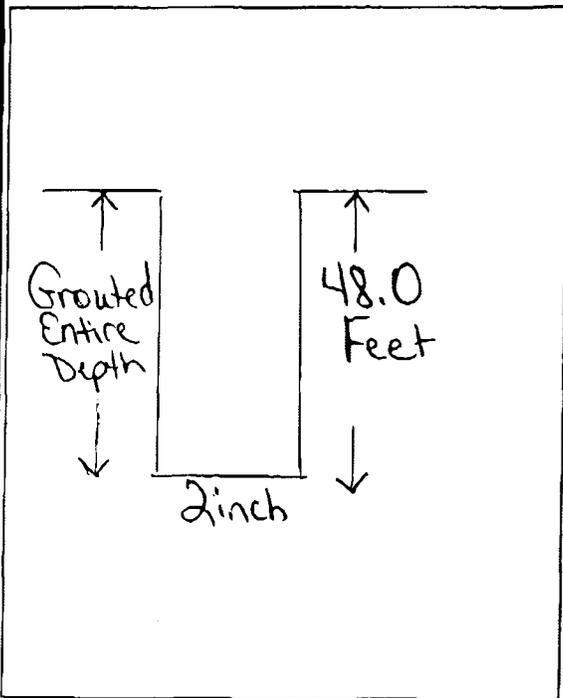
Other  
Type material Portland Bentonite Slurry  
Amount 9.5 Gallons

10. EXPLAIN METHOD EMPLACEMENT OF MATERIAL.

MW-5  
VIA TREMIE PIPE

11. DATE WELL ABANDONED 09/09/05

WELL DIAGRAM: Draw a detailed sketch of the well showing total depth, depth and diameter of screens remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.



I do hereby certify that this well was abandoned in accordance with 15A NCAC 2C, well construction standards, and that a copy of the record has been provided to the well owner.

Signature of person abandoning the well Johnny Burr Date 9/21/05

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WELL CONTRACTOR Johnny Burr/Geologic Exploration, Inc.

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2. WELL LOCATION: (Show a sketch of the location on back of form.)

Nearest Town: Greensboro County Guilford

2903 S. Elm -Eugene Street

(Road Name and Number, Community, Subdivision, Lot No.)

Quadrangle No. \_\_\_\_\_

3. OWNER: Sunoco, Inc. (R & M)

4. ADDRESS: 3499 W. Broad Street/Columbus, OH 43204

5. TOPOGRAPHY:  draw,  slope,  hilltop,  valley,  flat  
(circle one)

6. TOTAL DEPTH: 20.0 Feet DIAMETER 2 Inch

7. CASING REMOVED:

	<u>feet</u>		<u>diameter</u>
<u>N/A</u>	_____	<u>N/A</u>	_____

8. DISINFECTION: N/A

(Amount of 70% hypochlorite used:)

9. SEALING MATERIAL:

<u>Neat Cement</u>	<u>Sand Cement</u>
bags of cement - _____	bags of cement - _____
gallons of water - _____	gallons of water - _____

Other

Type material Portland Bentonite Slurry

Amount 4.0 Gallons

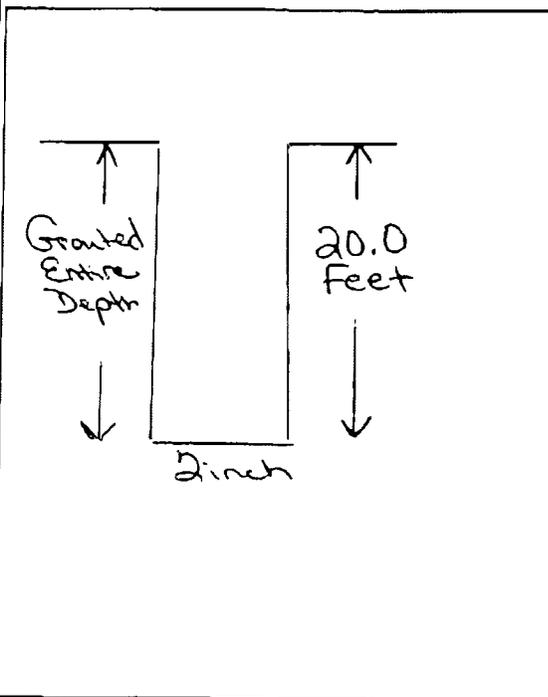
10. EXPLAIN METHOD EMPLACEMENT OF MATERIAL.

MW-8

VIA TREMIE PIPE

11. DATE WELL ABANDONED 09/09/05

WELL DIAGRAM: Draw a detailed sketch of the well showing total depth, depth and diameter of screens remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.



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