BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-15

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100-001 Area of Concern:

Client: Owens Corning Personnel: BS

Project Location: Anderson, South Carolina Weather: Sunny ~ 95°F

2. WELL DATA

Date Measured: 8-9-10 Time: PM Temporary Well: ☐ Yes ☑ No

Casing Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 99.5 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 13.67' feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-9-10 Time: 1719

Purge Method: ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. Bladder pump
2. Heron a:l
3. YSI 556
4. DRT-15CE

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1728	0.05	6.80	23.93	0.244	133.4	3.43	4.49	13.83'	
1735	0.10	7.08	23.37	0.259	105.7	2.04	4.80	13.93'	
1741	0.15	6.92	23.06	0.263	97.2	1.45	4.15	13.98'	
1746	0.20	6.92	23.73	0.265	93.4	1.15	4.25	13.40'	
1752	0.25	6.90	22.44	0.265	90.7	0.93	4.15	13.41'	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-15 Sample Date: 8-9-10 Sample Time: 1815 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☑ Yes ☐ No ID: EB-080910 1825 # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

intake at ~ 95 ft

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-15

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1757	0.35	6.87	22.21	0.265	87.9	0.80	4.00	~~14.03~~	14.05'
1802	0.45	6.85	22.03	0.265	86.9	0.71	4.00	14.07'	
1807	0.50	6.81	21.94	0.262	83.8	0.64	4.15	14.09'	
1812	0.65	6.81	21.93	0.261	81.3	0.60	4.00	14.16'	
1815	Collected sample								

Purge data continued on next sheet? ☐

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-22

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100-001 Area of Concern:

Client: Owens Corning Personnel: RS

Project Location: Anderson, South Carolina Weather: Sunny ~100 °F

2. WELL DATA

Date Measured: 8-9-10 Time: PM Temporary Well: ☐Yes ☑No

Casing Diameter: 8 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 8 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 116 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 7.28' feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-9-10 Time: 1545

Purge Method: ☐ Bailer, Size: 3/4" ☑Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing (circled) ☑Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. Bladder pump
2. Heron dipper
3. DRT-15CE
4. YSI-556

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1600	0.05	4.76	27.95	0.138	-162.9	4.20	0.47	7.29'	
1608	0.10	4.81	27.20	0.119	-131.8	3.93	0.40	7.29'	
1615	0.15	4.79	26.75	0.117	-173.7	3.76	0.41	7.29'	
1624	0.20	4.69	26.14	0.115	-142.2	3.68	0.35	7.29'	
1632	0.25	4.64	26.03	0.114	-147.5	3.59	0.30	7.29	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: 3/4" ☑Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-22 Sample Date: 8-9-10 Sample Time: 1640 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Pump intake at ~85 ft ~~bg~~ bTOC.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-22

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1639	0.40	6.00	25.98	0.114	-149.2	3.55	0.20	7.29'	
		4.65							
1640	Collected Sample.								

Purge data continued on next sheet? ☐

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-29R Zone 3-Waterloo

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100-001 Area of Concern:

Client: Owens Corning Personnel: BS

Project Location: Anderson, South Carolina Weather: Sunny ~ 75°F

2. WELL DATA

Date Measured: 8-9-10 Time: AM Temporary Well: ☐Yes ☒No

Casing Diameter: 2 inches

Screen Diameter: 6 inches

Sampling Inteval: 154.5-169.6 feet

Depth to Static Water: 6761.8 Dg

Depth to Product: — feet

Length of Water Column: 149.5 feet

Length of water column calculation:
(9094-Current Dg reading)*0.02775)*2.3108) = Length of water column (ft) 149.5

Well Vol. calculation:
1 well vol. = [vol sand interval(6") - vol of waterloo casing (2")] + vol of water in tubing(1/4")
= [22.18 gal - 2.52 gal] + (0.0102 gal/ft x length of water column
19.66

Well Volume: 21.18 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-11-10 Time: 0733

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): 3 well volumes or 63.55 gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. Waterloo
2. YSI-556
3. DRT-15CE
4.

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level Dg	Comments
0735	0.05	4.78	18.34	0.119	228.0	4.70	4.40	6767.4	
0738	0.15	2.56	18.04	0.121	296.0	2.51	4.00	6767.6	
0742	0.25	2.79	17.84	0.121	296.4	2.29	3.00	6767.6	
0747	0.50	2.69	17.77	0.121	279.6	2.37	2.75	6767.6	
0750	0.60	2.90	17.76	0.119	268.0	2.41	3.15	6767.6	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-29R Zone 3 Sample Date: 8-11-10 Sample Time: 0755 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-29R Zone 3-Waterloo

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0753	0.75	3.03	17.77	0.119	261.5	2.42	3.15	67673	
0755	Collected	Sample							

Purge data continued on next sheet? ☐

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-29R Zone 4-Waterloo

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100.001 Area of Concern:

Client: Owens Corning Personnel:

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: 8-9-10 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches

Screen Diameter: 6 inches

Sampling Interval: 177.6-202.2 feet

Depth to Static Water: 6034.5 feet

Depth to Product: feet

Length of Water Column: feet

Length of water column calculation:
(8932.8-Current Dg reading)*0.02724)*2.3108) = Length of water column (ft)

Well Vol. calculation:
1 well vol. = [vol sand interval(6") - vol of waterloo casing (2")] + vol of water intubing(1/4")
= [36.14 gal - 4.11 gal] + (0.0102 gal/ft x length of water column)

Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-11-10 Time: 0802

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min Calibrated? ☐ Yes ☐

Equipment Model(s)
1. Waterloo
2. YSI-556
3. DRT-154
4.

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0805	0.10	4.66	17.98	0.144	181.3	3.58	2.90	6030.5	
0808	0.15	4.37	17.94	0.161	186.4	2.07	2.76	6030.5	
0811	0.25	4.30	17.95	0.155	184.5	1.47	2.15	6030.7	
0814	0.35	4.34	17.93	0.149	180.8	1.75	2.30	6030.3	
0817	0.40	4.42	17.93	0.141	178.8	1.70	2.75	6030.7	

0820 collected sample

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-29R Zone 4 Sample Date: 8-11-10 Sample Time: 0820 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-29R Zone 4-Waterloo

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments

Purge data continued on next sheet? ☐

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-35

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100.001 Area of Concern:

Client: Owens Corning Personnel: BS

Project Location: Anderson, South Carolina Weather: Partly Cloudy ~95°F

2. WELL DATA

Date Measured: 8-9-10 Time: PM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 162 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: artesian feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: — feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-10-10 Time: 1542

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other: Artesian

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other: Artesian ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min Calibrated? ☐ Yes ☐

Equipment Model(s)
1. YSI - 556
2. DRT-15CE
3.
4.

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1541	2.0	7.76	26.02	0.293	-126.2	3.18	2.86	—	
1543	5.0	8.18	20.66	0.294	676.8	0.47	2.00	-	
1545	Collected sample								

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-35 Sample Date: 8-10-10 Sample Time: 1545 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-35

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH	Temp	Spec. Cond.	ORP	DO	Turbidity	Water Level	Comments
		±0.1 su	±2°C	> of ±3% or ±10 µS/cm	> of ±10% or ±20 mV	> of ±10% or ±0.2 mg/L	≤ 10 NTU		

Purge data continued on next sheet? ☐

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 1-Waterloo

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100.001 Area of Concern:

Client: Owens Corning Personnel: BS

Project Location: Anderson, South Carolina Weather: Sunny ~90°F

2. WELL DATA

Date Measured: 8-9-10 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches

Screen Diameter: 6 inches

Sampling Interval: 99.1-116 feet

Depth to Static Water: 6158.5 Dg

Depth to Product: — feet

Length of Water Column: feet

Length of water column calculation:
(8558.7-Current Dg reading)*0.01797)*2.3108) = Length of water column (ft)

Well Vol. calculation:
1 well vol. = [vol sand interval(6") - vol of waterloo casing (2")] + vol of tubing(1/4")
= [24.83 gal - 2.82 gal] + (0.0102 gal/ft x length of water column)

Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-11-10 Time: 0841

Equipment Model(s)

1. Waterloo
2. YSI-556
3. DRT-15CE
4.

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level Dg	Comments
0842	0.05	5.78	18.63	0.106	120.1	5.82	2.25	62673	
0845	0.15	4.36	18.29	0.108	198.5	4.50	2.00	6269.7	
0848	0.25	4.29	18.18	0.108	202.2	4.27	1.98	6269.7	
0851	0.35	4.42	18.13	0.108	193.7	4.15	1.00	6269.7	
0854	0.45	4.58	18.11	0.108	184.6	4.15	0.50	6269.7	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-36 Zone 1 Sample Date: 8-11-10 Sample Time: 0905 # of Containers: 7

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 1-Waterloo

3. PURGE DATA (continued from page ( ))

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0857	1.0	4.71	18.11	0.108	177.3	4.13	1.15	6262.4	
0900	1.15	4.83	18.11	0.108	171.0	4.15	1.00	6262.4	
0905	Collected Sample								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 3-Waterloo

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100.001 Area of Concern:

Client: Owens Corning Personnel: BS

Project Location: Anderson, South Carolina Weather: Sunny ~ 90°F

2. WELL DATA

Date Measured: 8-9-10 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches

Screen Diameter: 6 inches

Sampling Interval: 180.2-192.7 feet

Depth to Static Water: 6426.5 feet

Depth to Product: — feet

Length of Water Column: feet

Length of water column calculation:
(9093.1-Current Dg reading)*0.02725)*2.3108) = Length of water column (ft)

Well Vol. calculation:
1 well vol. = [vol sand interval(6") - vol of waterloo casing (2")] + vol of water in tubing(1/4")
= [18.36 gal - 2.09 gal] + (0.0102 x length of water column)

Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-11-10 Time: 0910

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other:

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. Waterra
2. YSI-556
3. QLT-15CE
4.

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level Dg	Comments
0924	0.02	6.75	20.92	1.213	98.3	5.96	1.04	8215.0	
0935	0.05	6.74	22.33	1.233	90.5	6.18	1.05	8219.0	
0940	0.10	6.77	22.55	1.237	87.5	5.70	1.00	8424.7	
0945	0.15	6.78	22.93	1.247	84.1	5.79	0.75	8435.6	
0950	0.20	6.79	23.26	1.246	73.7	5.91	0.80	8447.1	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-36 Zone 3 Sample Date: 8-11-10 Sample Time: 1000 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 3-Waterloo

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0955	0.25	6.79	23.56	1.249	57.2	6.05	1.00	8445.8	
1000	Collected Sample								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 5-Waterloo

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100.001 Area of Concern:

Client: Owens Corning Personnel: RS

Project Location: Anderson, South Carolina Weather: Sunny ~90°F

2. WELL DATA

Date Measured: 8-9-10 Time: Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches

Screen Diameter: 6 inches

Sampling Intervall: 269.9-275 feet

Depth to Static Water: 6073.0 feet

Depth to Product: feet

Length of Water Column: feet

Length of water column calculation:
(8843.2-Current Dg reading)*0.03897)*2.3108) = Length of water column (ft)

Well Vol. calculation:
1 well vol. = [vol sand interval(6") - vol of waterloo casing (2")] + vol of water in tubing(1/4")
= [7.49 gal - 0.85 gal] + (0.0102 x length of water column)

Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-11-10 Time: 1011

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other:

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. Waterlo
2. YSI-556
3. DRT-15CE
4.

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1018	0.02	6.44	20.87	3.022	92.0	5.37	2.75	7165.5	
1023	0.07	6.50	21.80	3.025	92.6	5.38	2.60	7225.7	
1028	0.10	6.53	22.49	3.042	80.9	5.39	2.15	7306.5	
1033	0.15	6.57	22.98	3.055	-16.8	5.35	2.00	7457.9	
1038	020	6.59	23.43	3.058	-31.5	5.28	1.59	7478.6	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☑ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-36 Zone 5 Sample Date: 8-11-10 Sample Time: 1215 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 5-Waterloo

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1043	0.25	6.61	23.97	3.066	-34.7	5.06	2.15	7458.6	
1048	0.30	6.62	24.47	3.067	-34.4	4.93	2.00	7497.6	
1058	0.40	6.65	25.37	3.075	-33.1	4.82	1.75	7430.6	
1108	0.50	6.68	26.16	3.080	-25.8	4.75	2.15	7496.5	
1118	0.60	6.72	26.96	3.086	-25.0	4.55	2.15	7497.6	
1128	0.70	6.76	27.47	3.087	-26.5	4.41	2.15	7490.6	
1138	0.80	6.80	27.92	3.085	-28.9	4.08	2.15	7490.6	
1148	0.90	6.84	28.30	3.080	-26.8	3.99	2.16	7490.6	
1158	1.25	6.87	28.75	3.074	-23.7	4.31	2.16	7495.7	
1206	[illegible]	1.50	6.91	29.24	3.073	-23.9	3.97	2.15	7493.7
1211	[illegible]	1.55	6.92	29.38	3.072	-22.9	3.85	2.16	7493.7
[illegible]									
1215	Collected	Sample							

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 1

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100.001 Area of Concern:

Client: Owens Corning Personnel: BS

Project Location: Anderson, South Carolina Weather: Sunny ~ 75°F

2. WELL DATA

Date Measured: 8-9-10 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 195 feet From: ☑Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 20.79 feet From: ☑Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: - feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-10-10 Time: 0739

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. Bladder pump
2. Heron dip
3. YSI-556
4. IR7-USGS

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0756	0.05	7.01	21.15	0.724	-167.7	2.34	5.56	22.0'	
0810	0.10	7.02	21.11	0.780	-201.0	1.07	8.63	25.20'	
0825	0.15	7.09	21.49	0.780	-201.5	0.79	7.15	25.50'	
0835	0.20	7.09	21.72	0.779	-184.9	0.70	7.00	25.55'	
0845	0.30	7.10	21.93	0.780	-178.4	0.65	8.15	25.30'	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: Teflon 3/4" ☑Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-37 Zone 1 Sample Date: 8-10-10 Sample Time: 0940 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Pump intake at ~85' Collected sample after purging 2 hours

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 1

3. PURGE DATA (continued from page ( ))

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0855	0.35	7.11	22.17	0.780	-173.0	0.57	8.02	25.53'	
0905	0.40	7.17	22.76	0.792	-177.3	0.61	7.99	25.93'	
0915	0.45	7.18	22.19	0.802	-175.7	0.62	8.15	26.05'	
0925	0.50	7.16	22.93	0.807	-201.9	0.45	6.15	30.32'	
0935	0.60	7.18	21.97	0.809	-230.6	0.35	7.29	32.28'	
0940	Collected sample, purged for 2 hours.								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 2

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100.001 Area of Concern:

Client: Owens Corning Personnel: BS

Project Location: Anderson, South Carolina Weather: Sunny ~90°F

2. WELL DATA

Date Measured: 8-9-10 Time: AM Temporary Well: ☐Yes ☒No

Casing Diameter: 1 inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 232 feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 17.37 feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-10-10 Time: 1006

Purge Method: ☐ Bailer, Size: 3/4" ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. Bladder pump
2. YSI-556
3. QED-150
4. Hero digger

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1018	0.05	9.59	22.20	0.184	-94.1	1.94	4.21	17.50'	
1028	0.10	9.86	22.07	0.201	-111.5	1.42	3.75	17.50'	
1038	0.15	9.95	21.89	0.210	-119.5	1.16	3.00	17.50'	
1048	0.25	10.05	21.64	0.219	-129.9	0.88	2.00	17.60'	
1058	0.35	10.08	21.61	0.222	-135.9	0.73	1.50	17.80'	

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: 3/4" ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☒ No

Sample ID: MW-37 Zone 2 Sample Date: 8-10-10 Sample Time: 1210 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Pump intake at ~100'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 2

3. PURGE DATA (continued from page ___)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1108	~~0.75~~ 0.75	10.13	21.63	0.224	-141.6	0.68	0.75	17.55'	
1118	1.00	10.17	21.72	0.226	-146.8	0.64	1.25	17.55'	
1128	1.05	10.22	21.86	0.228	-152.2	0.60	1.00	17.55'	
1138	1.15	10.23	21.85	0.232	-152.7	0.57	1.05	17.55'	
1148	1.25	10.34	22.09	0.240	-158.8	0.51	1.00	17.55'	
1158	1.35	10.43	22.05	0.258	-159.0	0.50	1.15	17.55'	
1206	1.45	10.49	22.21	0.275	-157.0	0.48	1.00	17.55'	
1210	Collected sample								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 3

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 100.001 Area of Concern: ____

Client: Owens Corning Personnel: DS

Project Location: Anderson, South Carolina Weather: Sunny ~100°F

2. WELL DATA

Date Measured: 8-9-10 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: ____

Screen Diameter: 1 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: ____

Total Depth of Well: 272 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ____

Depth to Static Water: 19.85 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ____

Depth to Product: — feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ____

Length of Water Column: ____ feet Well Volume: ____ gal Screened Interval (from GS): ____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8-10-10 Time: 1339

Purge Method: ☐ Bailer, Size: 3/4" ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ____ ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): ____ well volumes or ____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: ____ gal/min

Equipment Model(s)
1. Bladder Pump
2. YSI-556
3. DS5-1566
4. Horiba

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1348	0.05	7.07	26.49	0.204	-74.4	1.75	5.06	20.35'	
1358	0.15	6.94	25.50	0.202	-72.7	1.20	4.69	23.60'	
1408	0.25	6.81	24.87	0.201	-69.8	0.88	3.15	27.30'	
1418	0.35	6.81	24.79	0.201	-71.7	0.74	3.00	30.00'	
1428	0.50	6.99	25.38	0.201	-87.2	0.67	2.15	33.3'	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: 3/4" ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ____ ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: ____ Field Filtered? ☐ Yes ☑ No

Sample ID: MW-37 Zone 3 Sample Date: 8-10-10 Sample Time: 1450 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: ____ # of Containers: ____

Equipment Blank Collected? ☐ Yes ☑ No ID: ____ # of Containers: ____

Geochemical Analyses

Ferrous Iron: ____ mg/L

DO: ____ mg/L

Nitrate: ____ mg/L

Sulfate: ____ mg/L

Alkalinity: ____ mg/L

5. COMMENTS

Pump intake at ~80 ft

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 3

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1436	0.75	7.07	26.11	0.201	-92.3	0.60	2.41	36.1'	
1446	0.90	6.96	25.37	0.200	-86.6	0.57	2.00	39.20'	
1450	Collected Sample								

Purge data continued on next sheet? ☐

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Signature

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-38 zone 1

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ AOC: _____

Client: ~~Brown & Co~~ Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~95°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well? ☐Yes ☒ No

Casing Diameter: 1 inches	Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:
Screen Diameter: 1 inches	Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:
Total Depth of Well: 434.06 feet	From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Depth to Static Water: 11.94 feet	From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Depth to Product: — feet	From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Length of Water Column: 422.12 feet	Well Volume: 17.31 gal x3 = 51.92 gal Screened Interval (from GS):

Note: 2-inch well = 0.167 gal/ft 4-inch well = 0.667 gal/ft

3. PURGE DATA

Purge Method: ☐ Bailer, Size: ___ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Deconned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Deconned ☒ Disposable

Was well purged dry? ☐ Yes ☒ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. QED 2¼" Bladder Pump
2. YSI 556
3. DRT-15 CE

Calibrated? ☒Yes ☐ No
If Yes, see Calibration Logs

Time	Cum. Gallons Removed	pH ± 0.1 s.u.	Temp ± 2 C°	Spec. Cond. > of ±3% or ±10 µS	Eh > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity	Water Level	Drawdown < 1 ft	Comments
1353	Start Purge									
1412	YSI Full	8.80	34.57	286	-214.6	1.91	255	6.85	~~9.65~~	
1427	0.35	8.78	34.88	284	-209.2	1.57	256	9.72	~~9.72~~	
1442	0.45	8.85	35.84	285	-211.2	1.43	263	11.14		Purge way to slow. Move intake up to ~85' btoc
1445	Problem w/ pump pulling to troubleshoot									

Purge Data Continued on Back ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ___ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Deconned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Deconned ☒ Disposable

Depth to Water at Time of Sampling: 29.82 Field Filtered? ☐Yes ☒ No Preservative Added? ☐Yes ☒ No

Sample ID: MW-38 zone 1 Sample Date: 8/10/10 Sample Time: 1630 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID:

MS/MSD Sample Collected? ☐ Yes ☒ No ID:

Equipment Blank Sample Collected? ☐ Yes ☒ No ID: _____

Field Geochemical Analyses

Fe: _____ mg/L
DO: _____ mg/L
Nitrate: _____ mg/L
Sulfate: _____ mg/L
Alkalinity: _____ mg/L
Other: _____

5. COMMENTS

Pump intake @ ~95' btoc. Unable to develop b/c of upward flow in well. Could not get bailer to sink. Sample collected when turb. = 268 NTU

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

FORM GW-1 (Rev 10/30/03 - WAH)

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-38 zone 1

3. PURGE DATA (continued from front)

Time	Cum. Gallons Removed	pH ± 0.1 s.u.	Temp ± 2 C°	Spec. Cond. > of ±3% or ±10 µS	Eh > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity	Water Level	Drawdown < 1 ft	Comments
1515	Starting Purging again. Problem was just having pump too far down to draw water. Placed pump @ ~75' btoc									
1525	0.5	8.57	31.21	285	-199.7	1.44	259	16.98		
1540	0.7	7.76	25.88	278	-172.3	0.78	250	23.10		† reduced pump rate to stabalize drawdown
1555	0.9	8.56	27.39	278	-216.4	0.75	252	25.88		
1610	1.1	8.91	29.62	280	-234.4	0.67	259	27.95		
1625	1.3	8.98	32.75	282	-235	0.62	268	29.82		
1630	Sample Collected									

GROUNDWATER SAMPLING FIELD DATA SHEET

BROWN AND CALDWELL

WELL ID: MW-38 Zone 2

1. PROJECT INFORMATION

Project Number: ____ Task Number: ____ Area of Concern: ____

Client: Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~75°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well: ☐ Yes ☒ No

Casing Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: ____

Screen Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: ____

Total Depth of Well: 500' feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ____

Depth to Static Water: Artesian feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ____

Depth to Product: — feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ____

Length of Water Column: 500 feet Well Volume: 20.5 gal Screened Interval (from GS): ____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.163 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8/11/10 Time: 0735

Purge Method: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

Materials: (Pump)/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☒ Disposable

Materials: Rope/(Tubing) ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): 3 well volumes or 61.5 gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: ____ gal/min

Equipment Model(s)
1. QED Bladder Pump (3/4")
2. YSI-556
3. DRT-15CE
4. ____

Calibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0735	start Purge								
0743	YSI Full	6.40	19.69	219	-129.6	1.59	~~ATOC~~ 5.48	ATOC	
0758	0.5	7.15	19.70	182	-177.9	0.94	1.75	"	
0813	0.7	7.53	19.77	177	-205.5	0.74	0.47	ATOC	
0828	0.9	7.64	19.75	177	-216.0	0.63	0.45	"	

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ____

Materials: (Pump)/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: (Tubing)/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: ATOC Field Filtered? ☐ Yes ☒ No

Sample ID: MW-38 Zone 2 Sample Date: 8/11/10 Sample Time: 0935 # of Containers: 2

Duplicate Sample Collected? ☒ Yes ☐ No ID: Dup-081110 @ "1200" # of Containers: 2

Equipment Blank Collected? ☐ Yes ☒ No ID: ____ # of Containers: ____

Geochemical Analyses (crossed out)
Ferrous Iron: ____ mg/L
DO: ____ mg/L
Nitrate: ____ mg/L
Sulfate: ____ mg/L
Alkalinity: ____ mg/L

5. COMMENTS

ATOC = Above top of casing (artesian). Unable to develop b/c of upward flow in well (could not bail). Water continuously flowing atoc at ~1 gpm. This total should also be added to amt purged.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature: [signature]

FORM GW-2 Rev. 25 Sept 08

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-38 Zone 2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2 C	Spec. Cond. ± of ±3% or ±10 µS/cm	ORP ± of ±10% or ±20 mV	DO ± of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0845	1.15	7.82	19.95	176	-229.2	0.54	0.82	ATOC	
0900	1.4	7.89	19.94	175	-234.5	0.47	0.38	"	
0915	1.6	7.93	19.81	175	-237.1	0.43	0.25	"	
0930	1.8	7.92	19.65	175	-235.2	0.44	0.60	"	
0935	Sample collected								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25 Sept 08 - sej)

Signature

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 1

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ AOC: _____

Client: Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~95°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well? ☐Yes ☒ No

Casing Diameter: 2 1 inches	Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:
Screen Diameter: 1 inches	Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:
Total Depth of Well: 107.29' feet	From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Depth to Static Water: 17.13' feet	From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Depth to Product: - feet	From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Length of Water Column: 90.16 feet	Well Volume: 3.70 gal × 3 = 11.09 gal

Screened Interval (from GS): _____ 1" = 0.041

Note: 2-inch well = 0.167 gal/ft 4-inch well = 0.667 gal/ft

3. PURGE DATA

Purge Method: ☐ Bailer, Size: ___ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☒ Deconned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Deconned ☒ Disposable

Was well purged dry? ☐ Yes ☒ No Pumping Rate: _____ gal/min

Equipment Model(s)

1. QED 3/4" Bladder Pump
2. DRT-15 CE
3. YSI-556

Calibrated? ☒Yes ☐ No

If Yes, see Calibration Logs

Time	Cum. Gallons Removed	pH ± 0.1 s.u.	Temp ± 2 C°	Spec. Cond. > of ±3% or ±10 µS	Eh > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity	Water Level	Drawdown < 1 ft	Comments
1515	Start Purge									
1531	YSI full	7.59	33.94	411	-75.7	2.15	74.6	17.46		
1546	0.3	7.90	31.58	394	-92.8	1.62	75.8	17.38		
1556	0.5	7.91	30.02	487	-100.5	1.28	73.2	17.28		
1606	0.65	8.04	87.73	383	-106.5	1.35	79.9	17.44		

Purge Data Continued on Back ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ___ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☒ Deconned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Deconned ☒ Disposable

Depth to Water at Time of Sampling: 17.45 Field Filtered? ☐Yes ☒ No Preservative Added? ☐Yes ☒ No

Sample ID: MW-39-Zone1 Sample Date: 8/9/10 Sample Time: 1720 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID:

MS/MSD Sample Collected? ☐ Yes ☒ No ID:

Equipment Blank Sample Collected? ☐ Yes ☒ No ID: _____

Field Geochemical Analyses

Fe: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

Other: _____

5. COMMENTS

* Unable to develop w/ bailer. Took 3/4" bailer long time to fall b/c so light. Pump intake @ ~ 70' btoc. Purged for 2 hrs. Sample collected when turb. = 67 NTU

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

FORM GW-1 (Rev 10/30/03 - WAH)

Signature

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 1

3. PURGE DATA (continued from front)

Time	Cum. Gallons Removed	pH ± 0.1 s.u.	Temp ± 2 C°	Spec. Cond. > of ±3% or ±10 µS	Eh > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity	Water Level	Drawdown < 1 ft	Comments
1616	0.8	7.75	26.70	383	-98.9	1.22	80.7	17.48		
1626	0.95	7.96	26.28	382	-113.4	1.16	92.4	17.47		
1636	~~1.05~~	8.16	26.67	358	-128.3	1.37	127	17.43		Gal = 1.1
1646	1.25	8.24	26.51	332	-135.3	1.65	123	17.47		
1656	1.4	8.19	26.51	322	-139.3	1.76	90.2	17.46		
1706	1.55	8.29	26.37	315	-155.6	1.82	72.8	17.46		
1715	1.7	8.10	25.84	312	-155.8	1.88	67.2	17.45		
1720	Sample Collected									

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 zone 2

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ AOC: _____

Client: Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~80°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well? ☐Yes ☒ No

Casing Diameter: 1 inches	Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:
Screen Diameter: 1 inches	Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:
Total Depth of Well: 217.38' feet	From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Depth to Static Water: 20.29 feet	From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Depth to Product: — feet	From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:
Length of Water Column: 197.09 feet	Well Volume: 8.08 gal x 3 = 24.24 gal Screened Interval (from GS):

Note: 2-inch well = 0.167 gal/ft 4-inch well = 0.667 gal/ft

3. PURGE DATA

Purge Method: ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: (Pump)/Bailer ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Deconned ☐ Disposable

Materials: Rope/(Tubing) ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Deconned ☒ Disposable

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. YSI-556
2. QED 3/4" Bladder Pump
3. DRT-15 CE

Calibrated? ☒ Yes ☐ No
If Yes, see Calibration Logs

Time	Cum. Gallons Removed	pH ± 0.1 s.u.	Temp ± 2 C°	Spec. Cond. > of ±3% or ±10 µS	Eh > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity NTU	Water Level Ft BTOC	Drawdown < 1 ft	Comments
0747	Start Purge									
0802	YSI Full	7.34	22.53	623	-117.8	3.92	630	22.95		
0817	0.35	7.76	21.95	618	-147.8	1.21	631	28.68		
0832	0.5	7.91	21.94	616	-167.3	0.83	607	35.3		* Slow recharge, reduced pump rate!
0847	0.6	8.20	23.80	619	-185.5	0.76	626	36.68		

Purge Data Continued on Back ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ____ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: (Pump)/Bailer ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Deconned ☐ Disposable

Materials: (Tubing)/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Deconned ☒ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐Yes ☒ No Preservative Added? ☐Yes ☒ No

Sample ID: MW-39 zone 2 Sample Date: 8/10/10 Sample Time: 0950 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID:

MS/MSD Sample Collected? ☐ Yes ☒ No ID:

Equipment Blank Sample Collected? ☒ Yes ☐ No ID: EB-081010 @ 1010

Field Geochemical Analyses

Fe: _____ mg/L
DO: _____ mg/L
Nitrate: _____ mg/L
Sulfate: _____ mg/L
Alkalinity: _____ mg/L
Other: _____

5. COMMENTS

Pump intake @ ~85' btoc. Unable to develop w/ bailers b/c too light to sink to bottom. Sample collected when turb. was ~625 NTU.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 2

3. PURGE DATA (continued from front)

Time	Cum. Gallons Removed	pH ± 0.1 s.u.	Temp ± 2 C°	Spec. Cond. > of ±3% or ±10 µS	Eh > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity	Water Level	Drawdown < 1 ft	Comments
0902	0.7	8.30	25.06	621	-188.9	0.77	628	38.60		
0917	0.8	8.34	26.11	622	-190.7	0.77	624	40.03		
0932	0.9	8.39	27.44	624	-192.1	0.74	620	42.09		
0947	1.0	8.41	28.41	626	-193.8	0.79	623	43.88		
0950	Sample collected									

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 3

1. PROJECT INFORMATION

Project Number: ______ Task Number: ______ AOC: ______

Client: ~~[illegible]~~ Owens Corng Personnel: DM

Project Location: Anderson, SC Weather: ~90°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well? ☐ Yes ☒ No

Casing Diameter: 1 inches — Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: ______

Screen Diameter: 1 inches — Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: ______

Total Depth of Well: 302.22 feet — From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ______

Depth to Static Water: 29.91 feet — From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ______

Depth to Product: – feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: ______

Length of Water Column: 272.31 feet Well Volume: 11.16 gal x 3 = 33.49 gal Screened Interval (from GS): ______

Note: 2-inch well = 0.167 gal/ft 4-inch well = 0.667 gal/ft

3. PURGE DATA

Purge Method: ☐ Bailer, Size: ___ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: ______

Materials: (Pump)/Bailer — ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ______ ☐ Dedicated ☐ Prepared Off-Site ☒ Deconned ☒ Disposable

Materials: Rope/(Tubing) — ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Other: ______ ☐ Dedicated ☐ Prepared Off-Site ☐ Deconned ☒ Disposable

Was well purged dry? ☐ Yes ☐ No Pumping Rate: ______ gal/min

Equipment Model(s)

1. QED 3/4" Bladder Pump
2. YSI-556
3. DRT-15CE

Calibrated? ☒ Yes ☐ No

If Yes, see Calibration Logs

Time	Cum. Gallons Removed	pH ± 0.1 s.u.	Temp ± 2 C°	Spec. Cond. > of ±3% or ±10 µS	Eh > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity	Water Level	Drawdown < 1 ft	Comments
1032	Start	Purge								
1040	YSI Full	8.00	25.41	193	-178.5	1.45	128	32.56		
1055	0.5	7.74	23.66	146	-188.3	0.90	72.6	38.20		
1110	0.7	7.89	23.72	139	-205.1	0.70	71.4	44.10		*Drawdown too rapidly, reduced pump rate
1125	0.8	8.14	25.30	139	-225.5	0.65	65.5	48.29		

Purge Data Continued on Back ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ___ ☒ Bladder Pump ☐ 2" Submersible Pump ☐ 4" Submersible Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: (Pump)/Bailer — ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ______ ☐ Dedicated ☐ Prepared Off-Site ☒ Deconned ☒ Disposable

Materials: (Tubing)/~~Rope~~ — ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Other: ______ ☐ Dedicated ☐ Prepared Off-Site ☐ Deconned ☒ Disposable

Depth to Water at Time of Sampling: 69.25 Field Filtered? ☐ Yes ☒ No Preservative Added? ☐ Yes ☒ No

Sample ID: MW-39 Zone 3 Sample Date: 8/10/10 Sample Time: 1235 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID:

MS/MSD Sample Collected? ☐ Yes ☒ No ID:

Equipment Blank Sample Collected? ☐ Yes ☒ No ID: ______

~~Field Geochemical Analyses~~

~~Fe: ______ mg/L~~

~~DO: ______ mg/L~~

~~Nitrate: ______ mg/L~~

~~Sulfate: ______ mg/L~~

~~Alkalinity: ______ mg/L~~

~~Other: ______~~

5. COMMENTS

Unable to develop w/ bailer, too light to fall in water column. Pump intake @ ~95' btoc.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature [signature]

FORM GW-1 (Rev 10/30/03 - WAH)

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 3

3. PURGE DATA (continued from front)

Time	Cum. Gallons Removed	pH ± 0.1 s.u.	Temp ± 2 C°	Spec. Cond. > of ±3% or ±10 µS	Eh > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity	Water Level	Drawdown < 1 ft	Comments
1140	0.9	8.23	26.68	139	-227.3	0.65	71.5	51.40		
1155	1.0	8.25	26.25	140	-225.7	0.65	89.6	55.28		
1210	1.1	8.30	26.33	142	-224.7	0.69	113	58.45		
~~1225~~										
1232	1.25	8.30	26.66	144	-224.5	0.73	91.1	62.95		
1235	Sample Collected									

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 1

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ Area of Concern: _____

Client: Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~80°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well: ☐Yes ☒No

Casing Diameter: 1 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: _____

Screen Diameter: 1 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: _____

Total Depth of Well: 35.15 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Depth to Static Water: 6.75 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Depth to Product: — feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Length of Water Column: 28.4 feet Well Volume: 1.16 gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8/13/10 Time: 0937

Equipment Model(s)

1. QED 3/4" Bladder Pump
2. YSI-556
3. DRT-15CE
4. _____

Purge Method: ☐Bailer, Size: _____ ☒Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: _____

Materials: (Pump)/Bailer ☐Polyethylene ☒Stainless ☐PVC ☐Teflon® ☐Other: _____ ☐Dedicated ☐Prepared Off-Site ☒Field-Cleaned ☐Disposable

Materials: Rope/(Tubing) ☒Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: _____ ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☒Disposable

Volume to Purge (minimum): 3 well volumes or 3.49 gallons

Was well purged dry? ☐Yes ☒No Pumping Rate: _____ gal/min

Calibrated? ☒Yes ☐No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0937	Start Purge								
0945	YSI Full	7.84	23.69	366	-141.9	2.01	126	6.70	
1000	0.35	7.61	22.36	305	-162.1	1.16	131	6.78	
1015	0.45	7.62	22.30	296	-168.8	1.00	117	6.75	
1030	0.65	7.66	22.47	294	-172.5	0.95	55.1	6.76	

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐Bailer, Size: _____ ☒Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: _____

Materials: (Pump)/Bailer ☐Polyethylene ☒Stainless ☐PVC ☐Teflon® ☐Other: _____ ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☐Disposable

Materials: (Tubing)/Rope ☒Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: _____ ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☒Disposable

Depth to Water at Time of Sampling: 6.75 Field Filtered? ☐Yes ☒No

Sample ID: MW-41 Zone1 Sample Date: 8/13/10 Sample Time: 1040 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☒No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐Yes ☒No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Pump intake @ ~~35.1~~ ~33' btoc. Did not develop but purged until clear.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 1

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1045	0.8	7.64	22.39	294	-172.7	0.92	37.3	6.72	
1100	0.95	7.64	22.55	294	-171.7	1.00	31.5	6.71	
1115	1.1	7.64	22.60	294	-170.2	1.05	26.9	6.73	
1130	1.25	7.63	22.68	293	-168.6	1.07	31.9	6.76	
1137	1.3	7.63	22.61	295	-168.1	1.07	31.5	6.75	
1140	Sample Collected								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 2

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ Area of Concern: _____

Client: Duke Energy Personnel: DM

Project Location: Anderson, SC Weather: ~95°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: _____

Screen Diameter: 1 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: _____

Total Depth of Well: ~132' feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Depth to Static Water: Artesian feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Depth to Product: — feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Length of Water Column: 132 feet Well Volume: 5.41 gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8/12/10 Time: 1335

Purge Method: ☐Bailer, Size: _____ ☐Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☒Other: Artesian

Materials: Pump/Bailer ☐Polyethylene ☐Stainless ☐PVC ☐Teflon® ☒Other: NA (Ball valve on TOC) ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☒Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: _____ ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☒Disposable

Volume to Purge (minimum): 3 well volumes or 16.24 gallons

Was well purged dry? ☐Yes ☒No Pumping Rate: _____ gal/min

Equipment Model(s)

1. YSI-556
2. DRT-15CE
3. _____
4. _____

Calibrated? ☒Yes ☐No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1335	~~132~~	Start Purge							
1340	~~2~~ 1.5	7.85	17.70	278	-263.5	0.39	1.79	Artesian	
1345	~~3~~ 3	7.84	17.56	277	-279.5	0.32	1.32	"	
1350	4.5	7.86	17.56	277	-283.3	0.32	1.68	"	
1355	6.0	7.84	17.57	277	-284.4	0.31	0.50	"	

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐Bailer, Size: _____ ☐Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☒Other: Artesian

Materials: Pump/Bailer ☐Polyethylene ☐Stainless ☐PVC ☐Teflon® ☒Other: NA (Ball Valve @ TOC) ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☒Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: _____ ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☒Disposable

Depth to Water at Time of Sampling: Artesian Field Filtered? ☐Yes ☒No

Sample ID: MW-41 zone 2 Sample Date: 8/12/10 Sample Time: 1430 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☒No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐Yes ☒No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1400	7.5	7.83	17.56	277	-282.6	0.32	0.73	Artesian	
1405	9	7.82	17.55	277	-281.9	0.33	0.38	"	
1410	10.5	7.81	17.58	278	-279.1	0.34	0.48	"	
1415	13	7.82	17.57	278	-278.9	0.33	0.84	"	
1420	14.5	7.82	17.65	278	-278.6	0.33	0.72	"	
1425	16.25	7.81	17.65	278	-275.5	0.31	0.62	"	
1430	Sample Collected								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 zone 3

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ Area of Concern: _____

Client: Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~70°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well: ☐ Yes ☒ No

Casing Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: 302.70 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: 0.5' feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: — feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: 302.2 feet Well Volume: 12.39 gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8/13/10 Time: 0700

Purge Method: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): 3 well volumes or 37.17 gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. QED 3/4" Bladder Pump
2. YSI-556
3. DRT-15CE
4. _____

Calibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0700	Start Purge								
0715	YSI Full	6.68	22.63	282	-133.6	1.96	7.23	8.34	
0730	0.35	7.12	22.02	276	-157.7	1.16	14.1	13.72	Reduced pump rate to stabalize drawdown
0745	0.55	7.30	21.93	275	-169.9	0.92	13.7	18.50	
0800	0.6	7.39	21.91	275	-175.6	0.83	15.0	21.79	

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☒ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: MW-41 zone 3 Sample Date: 8/13/10 Sample Time: 0905 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☒ Yes ☐ No ID: EB-081310 @ 0925 # of Containers: 2

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Unable to develop b/c of depth, but water clear to begin w/. Pump intake @ ~90' btoc.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 3

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0815	0.65	7.46	21.96	275	-181.1	0.77	11.0	25.40	
0830	0.7	7.50	21.97	275	-183.9	0.75	12.5	29.03	
0845	0.75	7.54	22.17	275	-186.6	0.70	12.8	32.50	
0900	0.80	7.57	22.48	275	-189.1	0.67	8.37	36.04	
0905	Sample collected								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 Zone 1

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ Area of Concern: _____

Client: Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~85°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well: ☐Yes ☐No

Casing Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: 129.49 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: 35.54 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: — feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: 93.95 feet Well Volume: 3.85 gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8/12/10 Time: 1003

Equipment Model(s)

Purge Method: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

1. QED ¾" Bladder Pump

Materials: (Pump)/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

2. YSI 556

Materials: Rope/(Tubing) ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

3. DRT-15CE

Volume to Purge (minimum): 3 well volumes or 11.56 gallons

4. _____

Was well purged dry? ☐ Yes ☒ No Pumping Rate: _____ gal/min

Calibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1003	Start Purge								
1033	YSI Full	7.62	24.09	512	-142.8	3.30	48.0	35.98	
1048	0.5	7.55	22.15	508	-142.2	2.66	32.5	36.10	* Pumping fine now, took YSI long time to fill for some reason.
1103	0.7	7.58	21.54	504	-143.1	2.49	25.4	36.12	
1119	0.9	7.61	21.45	505	-145.4	2.44	53.6	36.10	

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: (Pump)/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: (Tubing)/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 36.10 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-42 zone 1 Sample Date: 8/12/10 Sample Time: 1205 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☒ Yes ☐ No ID: EB-081210 @ 1325 # of Containers: 2

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Unable to develop b/c of depth. Pump at very slow rate even after pulling up intake to ~78' btoc while YSI was filling. (Started @ ~90' btoc)

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 zone 1

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1133	1.1	7.65	21.43	505	-146.8	2.48	168	36.11	
1148	1.3	7.71	21.42	503	-147.4	2.58	55.5	36.10	
1203	1.5	7.74	21.55	502	-147.5	2.65	22.8	36.10	
1205	Sample Collected								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 zone 2

1. PROJECT INFORMATION

Project Number: _____ Task Number: _____ Area of Concern: _____

Client: Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~75°F

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well: ☐Yes ☒No

Casing Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: 222.36 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: 34.00' feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: — feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: 188.36 feet Well Volume: 7.72 gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8/12/10 Time: 0730

Equipment Model(s)

Purge Method: ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

1. QED 3/4" Bladder Pump

Materials (Pump/Bailer) ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

2. YSI-556

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

3. DRT-15CE

Volume to Purge (minimum): 3 well volumes or 23.17 gallons

4. Heron Dipper

Was well purged dry? ☐ Yes ☒ No Pumping Rate: _____ gal/min

Calibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0730	Start	Purge							
0740	YSI Full	6.57	22.05	677	-120.3	3.41	115	35.62	
0955	0.5	6.80	21.87	673	-132.0	2.48	140	39.66	
0810	0.7	7.04	22.09	673	-144.7	2.27	117	44.38	* Reduced pump rate
0825	0.875	7.29	22.84	673	-156.1	2.01	111	46.56	

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: (Pump)/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☒ Disposable

Materials: (Tubing)/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 55.26' Field Filtered? ☐ Yes ☒ No

Sample ID: MW-42 zone 2 Sample Date: 8/12/10 Sample Time: 0935 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Unable to develop b/c bailer taking too long to fall to bottom. Pump intake @ ~90' btoc.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 zone 2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0840	0.8	7.41	23.30	673	-160.9	1.96	108	48.87	
0855	0.85	7.47	23.74	672	-162.8	1.89	110	50.83	
0910	0.9	7.50	24.01	673	-163.2	2.05	112	52.92	
0930	1.0	7.54	24.56	676	-164.1	1.93	101	55.26	
0935	Sample Collected								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 zone 3

1. PROJECT INFORMATION

Project Number:_____ Task Number:_____ Area of Concern:_____

Client: Owens Corning Personnel: DM

Project Location: Anderson, SC Weather: ~90°F Sunny Clear

2. WELL DATA

Date Measured: 8/9/10 Time: AM Temporary Well: ☐Yes ☒No

Casing Diameter: 1 inches Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:_____

Screen Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:_____

Total Depth of Well: 285.50' feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:_____

Depth to Static Water: 31.72' feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:_____

Depth to Product: – feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:_____

Length of Water Column:_____feet Well Volume:_____ gal Screened Interval (from GS):_____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 8/11/10 Time: 1240

Purge Method: ☐ Bailer, Size:_____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:_____

Materials: (Pump)/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other:_____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/(Tubing) ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other:_____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate:_____ gal/min

Equipment Model(s)
1. QED Bladder Pump (3/4")
2. YSI-556
3. DRT-15CE
4. Heron Dipper
Calibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1240	Start Purge								
1255	YSI Full	8.16	25.46	172	-169.9	2.72	25.3	36.13'	
1310	0.5	8.36	24.73	169	-194.6	1.32	27.2	40.70	
1325	0.7	8.40	24.10	166	-208.3	1.02	30.6	44.68	* Reduced pump rate
1340	0.8	8.50	25.64	167	-209.3	0.87	30.9	46.27	

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size:_____ ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:_____

Materials: (Pump)/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other:_____ ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: (Tubing)/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other:_____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 51.00 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-42 zone 3 Sample Date: 8/11/10 Sample Time: 1500 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID:_____ # of Containers:_____

Equipment Blank Collected? ☒ Yes ☐ No ID: EB-081110 @ 1520 # of Containers: 2

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Pump intake @ ~92' btoc. Unable to develop so purging for as long as needed for water to clear.

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-342 zone 3

3. PURGE DATA (continued from page ( ))

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1355	1.0	8.57	26.63	168	-212.7	0.83	28.6	47.42	
1410	1.1	8.52	26.33	169	-210.6	0.82	27.9	48.46	
1425	1.2	8.63	28.04	170	-215.2	0.79	27.0	49.57	
1440	1.3	8.64	28.05	171	-214.6	0.79	29.0	50.25	
1455	1.4	8.47	27.42	170	-208.4	0.75	29.6	51.00	
1500	Sample collected								

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

ROWN AND LDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-1

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrove

Project Location: Anderson, South Carolina Weather: Overcast/Rain, 60°F

2. WELL DATA

Date Measured: 11/16/10 Time: 1231

Casing Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: Temporary Well: ☐ Yes ☒ No

Screen Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 65 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 22.44 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/16/10 Time: 1342

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Equipment Model(s): 1. YSI 556 2. DRT-15CE 3. Proactive SS monsoon 4.

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
13:42	0	5.25	18.02	23	318.2	10.18	160.7	25.52	
1347	1.75	4.95	18.10	24	334.1	5.67	123.4	25.75	
1352	3.25	5.15	18.16	24	330.9	6.02	32.5	25.91	
1357	5.0	5.11	18.21	24	332.6	5.58	11.5	25.90	
1402	6.0	5.09	18.21	24	334.5	5.44	8.61	25.90	

4. SAMPLING DATA

Purge data continued on next sheet? ☐

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 26.15 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-1 Sample Date: 11/16/10 Sample Time: 1415 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-1

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1407	710	5.08	18.21	28	339.1	5.38	4.87	26.02	

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-2

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Overcast / Cloudy

2. WELL DATA

Date Measured: 11/15/10 Time: 1444 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 66.7 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 21.01 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 45.69 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/15/10 Time: 1444

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☑Polyethylene ☑Stainless ☑PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☑No Pumping Rate: gal/min Calibrated? ☐Yes ☐

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1444	0	5.85	19.04	0.068	-185.7	71.5	0.45	21.01	
1449		5.90	19.36	0.066	-187.0	65.0	7.15	24.18	
1454		5.80	19.38	0.066	-180.7	65.5	17.68	23.69	
1459		5.78	19.46	0.066	-168.7	67.9	12.51	26.44	
1504		5.72	19.40	0.066	-167.9	66.2		26.68	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: MW-2 Sample Date: 11/15/10 Sample Time: 1520 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses
Ferrous Iron: mg/L
DO: mg/L
Nitrate: mg/L
Sulfate: mg/L
Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1509		5.73	19.42	0.066	-167.5	65.5	9.14		

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-3

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Clear/Windy

2. WELL DATA

Date Measured: 11/17/10 Time: 0736 Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 28 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 19.98 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 8.02 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 0736

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☑ No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0736		4.25	16.18	0.056	-117.3	58.6	36.7	19.98	
0741		4.69	17.06	0.054	-159.6	46.0	3.98	20.12	
0746		4.56	17.92	0.053	-147.4	42.6	0.57	20.34	
0751		4.39	17.93	0.053	-137.0	40.4	0.41	20.37	
0756		4.37	17.99	0.054	-134.5	39.8	0.10	20.40	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-3 Sample Date: 11/17/10 Sample Time: 0810 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☐ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☐ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-3

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0801		4.39	17.95	0.054	-133.7	40.1	0.08	20.35	

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-4

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Cloudy / Overcast

2. WELL DATA

Date Measured: 11/18/10 Time: 1106 Temporary Well: ☐ Yes ☑ No

Casing Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 29.7 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 20.35 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: 9.35 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/18/10 Time: 1106

Equipment Model(s)

1. Monsoon
2. YSI 556 MPS
3.
4.

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☑ No Pumping Rate: gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1106	0	6.39	18.50	0.774	-183.1	37.7	120.4	20.35	
1112		6.55	18.79	0.717	-198.7	12.4	5.68	21.71	
1117		6.63	18.73	0.737	-199.3	9.1	2.80	21.84	
1122		6.59	18.62	0.732	-199.0	7.8	1.70	22.00	
1127		6.59	18.63	0.734	-198.8	6.6	1.02	22.14	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-4 Sample Date: 11/18/10 Sample Time: 1135 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-5

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: 11/16/10 Time: 1647 Temporary Well: ☐ Yes ☑ No

Casing Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 27 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 18.27 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: 8.73 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/16/10 Time: 1647

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☑ No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1647		4.69	18.68	0.066	-145.3	70.7	53.1	18.27	
1652		4.37	19.08	0.067	-147.4	27.5	15.69	19.91	
1657		4.31	18.79	0.064	-151.0	20.6	34.2	20.67	
1702		4.32	18.65	0.063	-154.4	16.7	13.48	20.90	
1707		4.30	18.58	0.064	-154.4	14.7	9.67	21.22	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-5 Sample Date: 11/16/10 Sample Time: 1715 # of Containers:

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-6

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Cloudy / Rainy

2. WELL DATA

Date Measured: 11/16/10 Time: 0755 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 133.6 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 16.85 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 116.75 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/16/10 Time: 0755

Equipment Model(s)

1. Monsoon
2. YSI 556 MPS
3.
4.

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☑No Pumping Rate: gal/min Calibrated? ☐Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0755		6.39	18.58	0.124	-140.6	56.5	1.12	16.85	
0800		6.66	19.04	0.121	-155.0	42.9	3.95	19.16	
0805		6.60	19.21	0.122	-139.5	51.5	2.05	20.34	
0810		6.50	19.11	0.121	-131.2	53.7	0.61	20.97	
0815		6.48	19.10	0.119	-129.7	54.8	0.36	21.11	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: MW-6 Sample Date: 11/16/10 Sample Time: 0830 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-6

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0820		6.48	19.07	0.118	-128.6	55.1	0.27	21.22	

Purge data continued on next sheet? ☐

Signature

GROUNDWATER SAMPLING FIELD DATA SHEET

Brown AND Caldwell

WELL ID: MW-7

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 202.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrove

Project Location: Anderson, SC Weather: Clear/Sunny 54°F

2. WELL DATA

Date Measured: 11/19/10 Time: Temporary Well: ☐Yes ☒No

Casing Diameter: 2 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 30.9 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 17.46 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: NA feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/19/10 Time: 10:14

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☒ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556
2. DRT-15CE
3. Proactive ss mon
4.

Calibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1020	0.5	4.88	21.64	1186	160.5	2.51	892	19.20	
1025	3.05	4.86	21.93	1163	122.6	1.75	430	19.98	
1030	6.0	4.81	21.97	1145	162.2	1.50	270	20.52	
1035	9.0	4.77	21.90	1135	181.5	1.40	138.0	21.05	
1040	11.0	4.60	21.57	1124	[illegible]	1.30	36.5	21.88	

82.1

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☒ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 24.20 Field Filtered? ☐ Yes ☐ No

Sample ID: MW-7 Sample Date: 11/19/10 Sample Time: 1218 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-7

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1045	12.0	4.69	21.51	1119	143.0	1.28	53.6	22.20	
1050	13.0	4.68	21.43	1116	85.7	1.26	55.4	22.33	
1055	14.0	4.67	20.87	1104	99.9	1.46	53.5	21.90	
1100	15.0	4.65	21.48	1117	102.8	1.25	33.6	22.47	
1105	16.0	4.64	21.45	1140	147.3	1.68	20.6	22.88	
1110	17.0	4.63	21.43	1135	143.0	1.44	21.8	23.06	
1115	18.0	4.62	21.38	1143	134.8	1.52	16.7	23.43	
1120	19.0	4.62	21.35	1152	141.5	1.56	116.1	23.81	
1125	20.0	4.62	21.45	1157	130.4	1.50	115.3	23.62	
1130	21.0	4.67	21.48	1185	152.7	2.64	38.4	23.76	
1135	22.0	4.67	21.53	1184	153.2	2.59	109.6	23.79	
1140	23.0	4.68	21.55	1184	150.4	2.52	40.2	23.71	
1145	24.0	4.68	21.58	1190	156.7	3.02	32.3	23.73	
1150	25.0	4.68	21.50	1186	158.8	3.15	13.0	24.01	
~~1150~~	~~26.0~~								
1155	27.0	4.68	21.48	1184	160.4	3.09	32.4	24.12	
1200	28.0	4.67	21.50	1188	156.2	2.74	22.2	24.23	
1205	29.0	4.68	21.55	1196	164.2	2.95	32.0	24.31	
1210	30.0	4.69	21.59	1199	167.3	3.04	25.3	24.30	
1215	31	4.68	21.60	1202	172.1	3.12	17.4	24.20	
~~1220~~									

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-9

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Keith Musgrave

Project Location: Anderson, South Carolina Weather: Overcast/Rain, 42°F

2. WELL DATA

Date Measured: 11/16/10 Time: 0744 Temporary Well: ☐ Yes ☒ No

Casing Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 104 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 17.64 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: 86.36 feet Well Volume: 14.4 gal Screened Interval (from GS): 94 - 104

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/16/10 Time: 07:55

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☒ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Equipment Model(s)

1. YSI 556 MPS
2. DRI-ECE turbidity meter
3. Proactive Ss monsoon
4.

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0757	0.25	6.61	19.54	109	339.7	4.33	1177	22.50	s/w pump down
0802	1.0	6.16	17.94	77	353.1	5.51	1196	21.43	
0807	2.0	6.17	19.43	86	351.0	5.01	885	22.18	
0812	3.0	6.16	19.21	79	348.7	4.87	588	22.91	
0817	4.0	6.13	19.25	77	349.6	5.20	250	22.87	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-9 Sample Date: 11/16/10 Sample Time: 1000 # of Containers:

Duplicate Sample Collected? ☒ Yes ☐ No ID: EB-11-15-2010 # of Containers: 2@1740

Equipment Blank Collected? ☐ Yes ☐ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-9

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0822	5.0	6.11	19.05	76	351.7	5.38	622	22.89	
0827	6.0	6.10	18.96	74	353.7	5.51	709	22.75	
0832	7.0	6.10	18.91	74	355.7	5.59	555	22.58	
0837	8.0	6.09	18.81	73	357.1	5.60	364	22.56	
0842	9.0	6.09	18.82	73	358.2	5.61	369	22.54	called Jason, wait 2nr or until turbidity clears which ever happends first.
0847	10.0	6.09	18.72	73	359.4	5.60	299	22.49	
0852	11.0	6.10	18.60	72	360.5	5.57	122.3	22.12	
0857	12.0	6.09	18.86	73	359.4	5.59	80.5	22.46	
0902	13.0	6.09	18.92	72	357.3	5.60	72.5	22.44	
0907	14.0	6.10	19.10	74	353.1	5.56	54.1	22.40	
0912	15.0	6.09	19.05	73	351.0	5.55	44.7	22.46	
0917	16.0	6.09	19.13	73	349.3	5.56	38.1	22.53	
0922	17.0	6.08	19.10	73	347.0	5.57	25.7	22.75	
0927	18.0	6.08	19.17	73	342.5	5.56	24.6	22.65	
0932	19.0	6.04	19.02	73	344.8	5.56	34.5	22.53	
0937	20.0	6.02	18.98	73	346.1	5.56	27.6	22.40	
0942	21.0	6.02	18.90	73	345.3	5.59	65.8	22.40	
0947	22.0	6.02	18.99	73	343.3	5.60	23.3	22.83	
0952	23.0	6.02	18.86	73	344.3	5.57	19.3	22.38	
0957	24.0	6.03	19.03	74	344.5	5.48	22.9	22.73	

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-10

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrove

Project Location: Anderson, South Carolina Weather: Overcast, 58°F

2. WELL DATA

Date Measured: 11/16/10 Time: 14:45 Temporary Well: ☐ Yes ☒ No

Casing Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 71.4 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 25.89 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/16/10 Time: 11:56

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

1. YSI 556

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

2. DRT-15CE

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

3. Proactive SS Monsoon

4.

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1457	0	4.98	19.96	26	313.0	13.01	7.75	26.80	
1502	1.0	4.90	20.09	25	329.5	6.51	3.44	26.90	
1507	2.0	4.99	20.13	25	336.4	5.81	2.11	26.95	
1512	3.0	5.11	20.15	25	337.6	5.60	3.05	26.55	
1517	4.0	4.90	19.98	26	355.8	5.44	4.21	28.46	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: 28.55 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-10 Sample Date: 11/16/10 Sample Time: 1530 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-10

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1522	5.0	4.97	19.93	26	358.4	5.47	2.14	28.53	
1527	6.0	5.00	19.92	27	362.6	5.42	0.73	28.60	
~~1532~~	~~7.0~~								
~~1537~~	~~8.0~~								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-11

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrove

Project Location: Anderson, South Carolina Weather: Clear 65°F

2. WELL DATA

Date Measured: 11/17/10 Time: 11:20 Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 16 feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 4.52 feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 11:25

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556
2. ProActive Systems
3.
4.

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
11:27	0	6.79	17.74	315	175.4	10.32	86.8	5.32	
11:32	1.0	6.76	18.33	363	175.5	2.06	14.9	5.41	
11:37	2.0	6.72	18.42	397	39.3	1.49	4.29	5.20	
11:42	3.0	6.71	18.41	405	25.7	1.32	2.85	5.28	
11:47	4.0	6.71	18.44	406	17.6	1.23	2.37	5.25	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 5.25 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-11 Sample Date: 11/17/10 Sample Time: 1155 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-11

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1152	5.0	6.71	18.44	408	13.0	1.20	1.81	5.28	

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-12

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristin Musgrove.

Project Location: Anderson, South Carolina Weather: Sunny/Clear 65°F

2. WELL DATA

Date Measured: 11/17/10 Time: 10:10 Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 33 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 5.51 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 10:23

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

1. YSI 556

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

2. ProActive SS monsoon

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

3.

4.

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
10:24	0	6.06	18.25	139	207.5	7.19	4.11	8.56	
10:29	0.5	5.94	18.18	140	224.1	3.65	2.67	9.79	
1034	1.00	5.85	18.25	140	230.0	2.98	2.10	10.45	
1039	1.5	5.98	18.29	144	233.0	3.23	1.96	12.15	
1044	2.00	5.80	18.22	139	237.4	2.23	2.99	12.54	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-12 Sample Date: 11/17/10 Sample Time: 1100 # of Containers: 2

Duplicate Sample Collected? ☒ Yes ☐ No ID: DUP-11-17-10 # of Containers: 2 @ 1200

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-12

139

3. PURGE DATA (continued from page ____) 237 2.32

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1048	3.0	5.89	18.35	148	240.3	2.09	4.32	13.30	
1054	3.50	5.89	18.35	147	238.2	2.18	3.81	14.33	
1058	4.0	5.86	18.39	145	239.5	2.22		15.58	
1104	4.5								

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-13

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: 11/17/10 Time: 1043 Temporary Well: ☐ Yes ☑ No

Casing Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 72 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 6.56 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: 65.44 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 1043

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☑ No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1043		5.41	18.25	0.125	-153.2	64.6	1.57	6.56	
1048		4.97	18.71	0.126	-157.8	48.0	0.23	6.61	
1053		4.94	18.73	0.125	-155.2	44.9	0.05	6.60	
1058		4.94	18.75	0.125	-152.7	44.0	0.07	6.60	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-13 Sample Date: 11/17/10 Sample Time: 1110 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-14

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrove

Project Location: Anderson, South Carolina Weather: Clear/Sunny 54°F

2. WELL DATA

Date Measured: 11/17/10 Time: 0715 Temporary Well: ☐Yes ☒No

Casing Diameter: 2 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 74.2 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 21.21 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: NA feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 0731

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

1. VSI 554

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

2. DRT-15CE

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

3. Proactive SS manson.

4.

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0732	0	6.62	17.07	61	223.6	11.43	5.43	23.75	
0737	1.25	6.44	18.06	61	229.8	6.27	2.32	25.47	
0742	2.0	6.44	18.09	61	251.1	5.65	1.09	25.52	
0747	3.5	6.37	18.31	60	296.3	5.25	2.15	26.61	
0752	5.0	6.36	18.19	58	304.4	4.99	2.45	27.32	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 27.76 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-14 Sample Date: 11/17/10 Sample Time: 0815 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-14

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0757	6.5	6.35	18.24	57	306.5	4.85	2.05	27.27	
0802	8.0	6.33	18.26	56	307.1	4.74	1.75	27.70	
0807	9.5	6.32	18.21	56	312.4	4.65	1.26	27.74	

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-15

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200-001 Area of Concern:

Client: Owens Corning Personnel: K. Musgrove

Project Location: Anderson, South Carolina Weather: Sunny / Clear 39°F

2. WELL DATA

Date Measured: 11/18/10 Time: 0918 Temporary Well: ☐ Yes ☒ No

Casing Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 99.5 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 14.04 feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/18/10 Time: 0933

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☒ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556
2. DRT-15CE
3. Proactive SS manom
4.

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0933	0	8.05	15.10	89	-94.5	24.51	1.51	15.60	
0938	1.0	7.58	17.36	224	-13.3	6.37	3.44	17.52	
0943	2.0	7.14	17.37	191	-26.0	3.99	4.63	18.18	
0948	3.0	6.99	17.41	183	-23.6	3.17	2.85	18.45	
0953	4.0	6.85	17.37	177	-31.2	2.18	1.30	18.42	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 18.84 Field Filtered? ☐ Yes ☒ No

Sample ID: mw-15 Sample Date: 11/18/10 Sample Time: 1015 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-15

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0958	5.0	6.82	17.41	176	-34.8	1.99	6.96	18.43	
1003	6.0	6.78	17.44	174	-41.7	1.73	0.84	18.72	
1008	7.0	6.78	17.44	174	-45.1	1.70	0.50	18.80	
1013	8.0	6.75	17.44	173	-51.4	1.61	0.32	18.78	
~~1018~~	~~9.0~~								

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-16

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrave

Project Location: Anderson, South Carolina Weather: Clear, 54°F

2. WELL DATA

Date Measured: 11/18/10 Time: 0722 Temporary Well: ☐ Yes ☒ No

Casing Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 59 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 4.50 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/18/10 Time: 0731

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556
2. HORIBA U-22
3. Proactive SS, monsoon
4.

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0733	0	7.09	16.89	273	118.3	8.79	3.41	11.10	
0738	2.0	7.25	16.78	272	72.4	5.30	10.02	14.93	
0743	4.0	7.27	16.34	269	58.3	3.40	10.09	17.72	
0748	5.0	7.23	17.08	275	49.2	2.46	7.50	20.59	
0753	6.0	7.22	17.40	277	44.0	2.20	4.73	22.95	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☒ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 35.64 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-16 Sample Date: 11/18/10 Sample Time: 0820 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-16

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0758	7.0	7.26	17.30	281	47.0	2.60	3.98	26.78	
0803	8.0	7.33	17.4	282	62.2	3.47	4.22	31.55	
0808	9.0	7.30	17.54	285	69.3	3.36	2.45	32.13	
0813	10.0	7.29	17.23	288	70.7	3.20	3.03	33.35	
0818	11.0	7.23	17.68	298	69.7	3.10	3.15	35.48	
0823	12.0								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: MW-17

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrave

Project Location: Anderson, South Carolina Weather: Overcast/Rain, 62°F

2. WELL DATA

Date Measured: 11/16/10 Time: 1050 Temporary Well: ☐Yes ☒No

Casing Diameter: 4 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 4 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 39.1 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 22.36 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: NA feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/16/10 Time: 1102

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☒2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☒Polyethylene ☒Stainless ☒PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☒Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☒Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☒Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☒Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☒No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556
2. DRT-15CE
3. Proactive SS monsoon
4.

Calibrated? ☒Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1101	0	4.69	19.39	115	328.3	7.21	NA†	22.73	
1106	2.0	4.72	19.89	116	367.8	4.91		22.84	
1111	4.0	4.75	19.87	115	382.8	4.76		22.78	
1116	6.0	4.77	19.90	115	384.1	4.54		22.73	
1121	8.0	4.79	19.89	114	385.3	4.52		22.83	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☒2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☒Stainless ☒PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☒Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☒Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☒Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☒Disposable

Depth to Water at Time of Sampling: 22.84 Field Filtered? ☐Yes ☒No

Sample ID: MW-17 Sample Date: 11/16/10 Sample Time: 1124 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☒No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☒No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-18

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Keeler Musgrove

Project Location: Anderson, South Carolina Weather: Overcast/Sprinkling Rain, 60°F

2. WELL DATA

Date Measured: 11/15/2010 Time: 1405 Temporary Well: ☐Yes ☒No

10.6-25.6

Casing Diameter: 2 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☐PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 25.6 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: @17'

Depth to Static Water: 21.45 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: NA feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 4.15 feet Well Volume: 0.69 gal Screened Interval (from GS): 10.6-25.6

2.07 gal for 3 volumes

Note: 1-in well = 0.041 gal/ft ✓2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/15/10 Time: 14:39

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒Stainless ☒PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: 350 mL ~~gal~~/min

Equipment Model(s)

1. Pro Active S.S. Monsoon
2. Turbidity Meter DRT-15CE
3. YSI 556 MPS
4. _____

Calibrated? ☒Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.(su)	Temp ±2°C	Spec. Cond. > of ±3% or ±10 uS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1440	0	4.09	19.82	46	363.3	3.91	13.2	23.29	
1445	~~0.5~~ 1.0 ~~0.25~~	4.25	20.12	42	351.3	4.19	12.3	23.51	
1452	~~0.5~~ 2.0	4.28	20.08	41	365.4	4.19	0.75	23.37	
1457	3.0	4.26	20.13	41	373.6	4.21	0.16	23.45	
1502	4.0	4.25	20.06	41	380.3	4.16	1.65	23.61	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒Stainless ☐PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒Disposable

Depth to Water at Time of Sampling: 23.61 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-18 Sample Date: 11/15/10 Sample Time: 1505 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: NA mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

10

WELL ID: MW-19

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern: ____

Client: Owens Corning Personnel: Keisten Musgrove

Project Location: Anderson, South Carolina Weather: Clear/Sunny 65° F

2. WELL DATA

Date Measured: 11/17/10 Time: 0855 Temporary Well: ☐Yes ☒No

Casing Diameter: 2 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: ____

Screen Diameter: 2 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: ____

Total Depth of Well: 169 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: ____

Depth to Static Water: 7.05 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: ____

Depth to Product: NA feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: ____

Length of Water Column: ____ feet Well Volume: ____ gal Screened Interval (from GS): ____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 0940

Purge Method: ☐Bailer, Size: ____ ☐Bladder Pump ☒2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: ____

Materials: Pump/Bailer ☐Polyethylene ☒Stainless ☐PVC ☐Teflon® ☐Other: ____ ☐Dedicated ☐Prepared Off-Site ☒Field-Cleaned ☒Disposable

Materials: Rope/Tubing ☒Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ____ ☒Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☒Disposable

Volume to Purge (minimum): ____ well volumes or ____ gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: ____ gal/min

Equipment Model(s)

1. ProActive monsoon SS
2. WQT-15CE
3. YSI 556
4. ____

Calibrated? ☒Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0905	0	7.03	18.61	175	95.6	3.26	0.21	8.74	
~~1000~~ 0910	2.0	7.05	18.50	184	52.8	1.42	0.00	8.68	
~~10~~0915	4.0	7.06	18.49	185	49.7	1.30	0.08	8.65	
0920	6.0	7.15	18.51	~~201~~ 210	48.7	1.20	0.16	8.78	
0925	8.0	7.04	18.50	195	54.6	1.15	0.12	8.80	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ____ ☐Bladder Pump ☒2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: ____

Materials: Pump/Bailer ☐Polyethylene ☒Stainless ☒PVC ☐Teflon® ☐Other: ____ ☐Dedicated ☐Prepared Off-Site ☒Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☒Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ____ ☒Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☒Disposable

Depth to Water at Time of Sampling: ____ Field Filtered? ☐Yes ☒No

Sample ID: MW-19 Sample Date: 11/17/10 Sample Time: 0945 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☒No ID: ____ # of Containers: ____

Equipment Blank Collected? ☐Yes ☒No ID: ____ # of Containers: ____

Geochemical Analyses

Ferrous Iron: ____ mg/L

DO: ____ mg/L

Nitrate: ____ mg/L

Sulfate: ____ mg/L

Alkalinity: ____ mg/L

NA

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-19

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0930	10.0	7.00	18.53	186	55.6	1.05	0.08	8.70	
0935	12.0	6.99	18.54	184	55.4	1.02	0.09	8.65	
0940	14.0	6.98	18.56	181	55.7	1.01	0.09	8.80	
~~0945~~									

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-20

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrove

Project Location: Anderson, South Carolina Weather: Overcast/Rain, 60°F

2. WELL DATA

Date Measured: 11/15/2010 Time: 1620 Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 67 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 22.25 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: 44.75 feet Well Volume: 7.47 gal 22.42 take out. Screened Interval (from GS): 57-67 @ 63

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/15/10 Time: 1635

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: 0.3 gal/min

Equipment Model(s)

1. ProActive SS Monsoon
2. Turbidity Meter - 15C
3. YSI 556 MPS
4.

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1637	0	4.97	20.07	62	309.5	7.03	52.2	22.51	
1642	1.5	5.05	20.30	70	326.2	5.47	11.6	22.58	
1647	3.0	5.14	20.31	90	334.3	4.68	3.3	22.52	
1652	4.5	5.14	20.32	98	340.6	4.41	0.8	22.54	
1657	6.0	5.14	20.31	102	343.4	4.31	0.2	22.52	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 22.58 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-20 Sample Date: 11/15/10 Sample Time: 1715 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-20

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1702	7.5	~~4.22~~ 5.17	20.30	107	348.3	4.22	0.12	22.56	
1707	9.0	5.17	20.30	110	352.6	4.15	0.22	22.57	

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-21

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Clear

2. WELL DATA

Date Measured: 11/18/10 Time: 0737 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 16.5 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 7.93 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: Time:

Equipment Model(s)

1. Monsoon
2. YSI 556 MPS
3.
4.

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☑PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☑No Pumping Rate: gal/min Calibrated? ☐Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0737		5.14	17.77	0.060	-84.1	136.4	70.2	7.93	
0742		5.14	18.55	0.060	-120.3	96.0	28.2	8.10	
0747		5.07	18.61	0.060	-120.2	70.0	7.82	8.11	
0752		5.02	18.65	0.060	-120.4	62.4	4.34	8.11	
0757		4.99	18.62	0.060	-121.0	59.3	2.72	8.11	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☑PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: MW-21 Sample Date: 11/18/10 Sample Time: 0815 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-21

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0802		4.96	18.58	0.060	-120.0	56.8	1.09	8.11	

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

15

WELL ID: MW-22

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200-001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: 11/17/10 Time: 0919 Temporary Well: ☐Yes ☑No

Casing Diameter: 8 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 8 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 116 feet From: ☑Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 7.78 feet From: ☑Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: 108.22 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 0919

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☑ No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0919		5.07	18.37	0.123	-163.9	62.3	0.78	7.78	
0924		5.19	18.63	0.123	-165.0	43.3	0.14	7.79	
0929		5.12	18.61	0.123	-160.6	40.3	0.06	7.80	
0934		5.06	18.61	0.123	-158.0	38.4	0.08	7.80	
0939		5.13	18.50	0.123	-164.8	36.5	0.07	7.80	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-22 Sample Date: 11/17/10 Sample Time: 0948 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: MW-24

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrave

Project Location: Anderson, South Carolina Weather: Overcast, 58°F

2. WELL DATA

Date Measured: 11/18/10 Time: 1125 Temporary Well: ☐ Yes ☒ No

Casing Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 71 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 10.02 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/18/10 Time: 11:33

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556
2. Proactive Monsoon
3. DRI-15CE
4.

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1134	0	5.73	19.97	122	97.7	11.36	12.88	15.00	
1139	1.50	5.70	20.10	123	102.7	2.74	6.03	16.48	
1144	3.0	5.70	20.19	123	104.2	2.11	3.57	16.53	
1149	4.5	5.63	20.24	123	91.3	1.96	3.80	16.46	
1154	6.0	5.59	20.27	123	79.4	1.98	3.59	16.35	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 18.65 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-24 Sample Date: 11/18/10 Sample Time: 12:10 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☐ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☐ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-24

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1159	7.5	5.56	20.21	123 ~~61.5~~	~~+269.0~~	1.92	3.43	17.25	
1204	9.0	5.56	20.23	123	58.5	1.85	4.47	18.42	
1209	10.5	5.54	20.23	123	53.1	1.90	2.88	18.58	

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-25

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Clear / Sunny

2. WELL DATA

Date Measured: 11/18/10 Time: 0938 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 50 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 11.99 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/18/10 Time: 0938

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☑PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☑No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☐Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0938	0	4.85	16.79	0.059	-101.2	82.5	87.3	11.99	
0943		4.93	16.94	0.059	-112.1	76.2	17.17	13.27	
0948		4.89	17.06	0.059	-111.7	71.8	14.64	13.30	
0953		4.83	17.05	0.059	-109.4	69.7	6.75	13.22	
0958		4.80	17.07	0.059	-108.6	69.1	4.79	13.33	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☑PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: MW-25 Sample Date: 11/18/10 Sample Time: 1005 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-26

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Keisha Musgrove

Project Location: Anderson, South Carolina Weather: Sunny / Clear, 65°F

2. WELL DATA

Date Measured: 11/17/10 Time: 1343 Temporary Well: ☐Yes ☒No

Casing Diameter: 2 inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☐PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 66.7 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 18.52 feet From: ☒Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: NA feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 1351

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☒2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556
2. Proactive SS. monsoon
3. DRT-15CE
4.

Calibrated? ☒Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1352	0	6.78	18.33	55	211.3	13.47	7.16	21.37	
1357	1.5	6.70	18.41	55	204.6	8.42	3.77	23.58	
1402	3.0	6.55	18.51	55	209.7	6.94	3.11	24.05	
1407	4.5	6.42	18.55	55	215.6	6.05	2.71	24.04	
1412	6.0	6.27	18.50	55	232.3	5.79	14.5	~~26.20~~	26.20

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☒2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: 29.01 Field Filtered? ☐ Yes ☒ No

Sample ID: MW-26 Sample Date: 11/17/10 Sample Time: 1555 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: NA mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-26

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
14:17	7.5	6.23	18.54	55	239.3	5.47	74.5	26.78	
14:22	9.0	6.13	18.60	55	248.2	5.26	106.9	26.68	
1427	10.5	6.07	18.67	56	261.6	4.99	130.1	26.61	
1432	12	6.06	18.68	56	269.7	4.86	203	26.73	
1437	13.5	6.05	18.70	56	280.7	4.89	174	27.11	
1442	15.0	6.01	18.71	56	302.9	4.88	175.0	27.20	
1447	17.5	6.02	18.68	56	314.7	4.88	154.1	27.27	
1452	19.0	6.01	18.68	56	326.0	4.86	158.0	27.28	
1457	20.5	6.02	18.69	56	347.4	4.82	125.8	27.18	
1502	22	6.00	18.70	56	357.3	4.80	137.2	27.79	
1507	23.5	6.10	18.62	56	373.9	4.94	107.9	28.55	
1512	25	6.09	18.62	56	373.8	4.87	108.2	28.82	
1517	26.5	6.08	18.65	56	382.8	4.78	91.3	28.87	
1522	28	6.07	18.70	56	391.4	4.72	107.2	28.78	
1527	29.5	6.11	18.73	56	400.1	4.68	90.2	28.80	
1532	31.0	6.09	18.72	56	407.2	4.87	98.1	28.15	
1537	32.5	6.10	18.70	56	409.9	4.64	93.4	28.30	
1542	34.0	6.13	18.68	56	410.7	4.73	89.2	28.35	
1547	35.5	6.17	18.68	56	411.6	4.71	95.4	28.40	
1552	36.5	~~6.15~~ 6.15	18.66	55	411.3	4.67	84.2	28.55	

Purge data continued on next sheet? ☐

Signature

FORM GW-2 (Rev 25.Sept.08 - sej)

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-27

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Overcast / Rainy

2. WELL DATA

Date Measured: 11/15/10 Time: 1634 Temporary Well: ☐Yes ☑No

Casing Diameter: 8 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 8 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 99 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 22.43 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 76.57 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/15/10 Time: 1634

Equipment Model(s)

1. Monsoon
2. YSI 556 MPS
3.
4.

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☑ No Pumping Rate: gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1634	0	6.26	19.14	0.080	-129.7	89.4	1.59	22.49	
1639		7.52	19.99	0.193	-334.0	10.2	16.20	22.68	
1644		7.54	19.89	0.182	-346.4	7.5	15.74	22.65	
1649		7.39	20.04	0.171	-342.5	6.1	11.78	22.65	
1654		7.28	20.04	0.164	-341.9	5.3	10.47	22.65	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-27 Sample Date: 11/15/10 Sample Time: 1720 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-27

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1659		7.15	20.01	0.156	-343.5	4.5	9.14	22.65	
1704		7.10	20.05	0.151	-344.2	4.3	6.80	22.66	
1709		7.05	20.06	0.145	-347.2	3.9	5.57	22.66	
1714		7.01	20.08	0.142	-346.1	3.8	5.08	22.66	

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-28

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. WHETSTONE

Project Location: Anderson, South Carolina Weather: SUNNY / CLEAR

2. WELL DATA

Date Measured: 11/19/10 Time: 1234 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 31 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 18.22 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 12.78 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/19/10 Time: 1234

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1234	0	4.85	21.61	1.678	165.5	16.0	99.1	18.22	
1239		4.97	21.93	1.522	83.1	9.9	28.8	21.38	
1244		4.86	22.18	1.509	88.5	15.4	17.62	21.53	
1249		4.95	21.96	1.470	83.8	16.0	11.66	22.20	
1254		4.86	21.91	1.760	87.2	7.2	9.76	22.66	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-28 Sample Date: 11/19/10 Sample Time: 1326 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☑ Yes ☐ No ID: EB 11-19-10 # of Containers: 2 @1230

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-28

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1259		4.79	21.94	1.857	84.5	5.9	8.66	23.18	
1304		4.72	22.01	1.964	92.2	5.7	7.90	23.18	
1309		4.65	22.08	2.075	97.9	5.5	4.73	22.97	
1314		4.66	21.98	2.043	98.9	5.5	1.98	23.20	
1319		4.62	21.93	2.046	99.8	5.3	1.24	23.59	

Purge data continued on next sheet? ☐

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-29R Zone 3 - Wetlands

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern: _____

Client: Owens County Personnel: VDM

Project Location: Anderson, SC Weather: ~60F Overcast

2. WELL DATA

Date Measured: 15 NOV. 10 Time: _____ Temporary Well: ☐ Yes ☒ No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal — Screened Interval (from GS): ~~99.1 - 116~~ 15ft.

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 16 NOV. 10 Time: 1445

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☒ Other: Peristaltic

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15 CE
3. Horn Compressor
4. GK 404

Calibrated? ☒ Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1511	Start							6776.9	T=16.9
1515	YSI Full	6.31	17.21	0.139	-3.3	5.72	1.31	6780.1	T=16.9
1520	0.25	5.61	17.09	0.134	-1.7	2.27	1.12	6776.8	T=16.9
1525	0.50	5.38	17.05	0.133	-2.4	1.81	1.09		
1530	0.75	5.36	17.05	0.133	-3.6	1.85	0.84		

Purge data continued on next sheet? ☒

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: Peristaltic

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☒ No

Sample ID: MW-29R 23 Sample Date: NOV 10 Sample Time: 1550 # of Containers: _____

Duplicate Sample Collected? ☐ Yes ☒ No ID: — # of Containers: —

Equipment Blank Collected? ☐ Yes ☒ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-29R Z3

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1535	1.0	5.34	17.02	0.131	-5.3	1.95	1.11	6780.2	T=16.9
1540	1.4	5.32	17.03	0.130	-6.0	2.00	1.41	6780.3	T=17.0
1545	1.6	5.33	17.03	0.130	-5.9	1.99	1.13	6777.8	T=16.9
1550	Sampled								

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-29R Zone 4-Waterloo

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JDM

Project Location: Anderson, South Carolina Weather: ~65°F Overcast

2. WELL DATA

Date Measured: 15.NOV.10 Time: 1715 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches

Screen Diameter: 6 inches

Sampling Interval: 177.6-202.2 feet

Depth to Static Water: 6044.5 feet T=16.8

Depth to Product: feet

Length of Water Column: feet

Length of water column calculation:
(8932.8-Current Dg reading)*0.02724)*2.3108) = Length of water column (ft)

Well Vol. calculation:
1 well vol. = [vol sand interval(6") - vol of waterloo casing (2")] + vol of water intubing(1/4")
= [36.14 gal - 4.11 gal] + (0.0102 gal/ft x length of water column)

Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 16.NOV.10 Time: 1555

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other: Waterloo

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15CE
3. Wm Cooper
4. GK-404

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1601	Start							6048.6	T=16.9
1603	YSI Full	6.16	17.14	0.140	5.2	3.11		6045.6	T=16.9
1608	0.4	5.83	17.09	0.168	-5.1	0.83	6.95	6179.6	T=16.9
1613	0.75	5.60	17.06	0.156	-11.4	0.94	7.97	6266.1	T=16.9
1618	1.1	5.50	17.04	0.148	-13.8	1.06	7.57	6269.3	T=16.9

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other: Waterloo

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-29R Zone 4 Sample Date: 1 NOV.10 Sample Time: 1630 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-29R Zone 4-Waterloo

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1623	1.6	5.45	17.04	0.144	-16.9	1.11	5.71	6263.4	T=16.9
1628	1.9	5.42	17.03	0.143	-17.7	1.10	5.90	6264.5	T=16.9
1630									

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Page 2 of 2

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-30

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: 11/19/10 Time: 1055 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 113 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 22.21 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 90.79 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/19/10 Time: 1055

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☐Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1055		6.93	20.21	0.099	-145.3	61.4	3.20	22.21	
1100		6.11	20.25	0.095	-171.1	43.4	17.95	26.13	
1105		6.04	20.17	0.094	-172.4	39.3	11.56	27.39	
1110		6.06	20.18	0.096	-173.6	38.7	8.54	29.77	
1115		6.05	20.19	0.097	-172.1	40.2	9.82	30.10	

Speed up pump

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: MW-30 Sample Date: 11/19/10 Sample Time: 1120 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☐No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-31

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. WHETSTONE

Project Location: Anderson, South Carolina Weather: SUNNY / CLEAR

2. WELL DATA

Date Measured: 11/19/10 Time: 0855 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 90 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 24.79 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 65.21 feet Well Volume: 10.89 gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/19/10 Time: 0855

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0855		7.97	19.73	0.082	-114.7	100.9	12.54	24.79	
0900		7.07	20.56	0.079	-149.9	49.1	21.9	26.42	
0905		6.59	20.68	0.077	-160.9	39.9	11.46	26.75	
0910		6.43	20.69	0.077	-169.9	34.9	9.18	26.68	
0915		6.20	20.72	0.079	-177.7	27.7	8.84	27.10	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-31 Sample Date: 11/19/10 Sample Time: 0935 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☐ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☐ No ID: # of Containers:

Geochemical Analyses
Ferrous Iron: _____ mg/L
DO: _____ mg/L
Nitrate: _____ mg/L
Sulfate: _____ mg/L
Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-31

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0920		6.26	20.72	0.080	-185.5	22.9	7.04	26.98	
0925		6.20	20.59	0.081	-187.8	21.8	6.38	26.70	
0930		6.17	20.61	0.082	-188.7	21.8	6.13	26.54	

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-32

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Cloudy / Overcast

2. WELL DATA

Date Measured: 11/16/10 Time: 1515 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 35 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 17.99 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 17.01 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/16/10 Time: 1515

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☑No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☐Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1515	0	6.66	21.43	0.750	-221.9	20.4	53.0	17.99	
1520		6.69	21.55	0.733	-241.2	14.4	179.4	18.44	
1525		6.63	21.64	0.700	-243.5	10.7	38.4	19.15	
1530		6.61	21.65	0.681	-242.7	9.0	35.2	19.14	
1535		6.69	21.64	0.668	-240.8	7.4	15.54	19.14	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: MW-32 Sample Date: 11/16/10 Sample Time: 1550 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-32

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1540		6.64	21.63	0.659	-239.4	6.1	10.74	19.14	
1545	11	6.66	21.65	0.651	-239.2	5.3	8.82	19.14	

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: MW-35

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Cloudy

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 162 feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: artesian feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/18/10 Time: 1402

Equipment Model(s)

1. YSI 556 MPS
2. _____
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1402		7.43	14.77	0.338	-190.4	60.0	5.02	—	
1407		7.49	14.89	0.339	-208.8	13.1	1.33	—	
1412		7.47	15.81	0.338	-207.7	9.1	0.43	—	
1417		7.36	15.73	0.337	-207.9	7.3	0.38	—	
1422		7.30	15.86	0.337	-208.1	6.3	0.14	—	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: MW-35 Sample Date: 11/18/10 Sample Time: 1450 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-35

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1427		7.28	15.87	0.337	-208.4	5.4	0.11	—	
1432		7.32	15.81	0.337	-212.2	4.9	0.24	—	
1437		7.26	15.91	0.337	-208.5	4.7	0.31	—	
1442		7.29	15.98	0.337	-211.6	4.4	0.30	—	

Purge data continued on next sheet? ☐

Signature

GROUNDWATER SAMPLING FIELD DATA SHEET

Brown AND Caldwell

WELL ID: MW-36 Zone 1 - October

1. PROJECT INFORMATION

Project Number: 138670 Task Number: _____ Area of Concern: _____

Client: Owens Corning Personnel: JBM

Project Location: Anderson, SC Weather: Rain ~50°F

2. WELL DATA

Date Measured: 15.Nov.10 Time: 1656 Temporary Well: ☐Yes ☒No

Casing Diameter: _____ inches Type: ☒PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: _____

Screen Diameter: _____ inches Type: ☐PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: _____

Total Depth of Well: _____ feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Depth to Static Water: 6319.4 feet T=17.6 From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Depth to Product: _____ feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: _____

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 16.NOV.10 Time: 0710

Equipment Model(s)

1. YSI 556 MPS
2. DRT-15CE
3. Warn Compressor
4. GK4CC

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☒ Other: Waterra

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: _____ gal/min Calibrated? ☒Yes ☐ No

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0834	Start								
0837	YSI Full	5.86	16.81	0.114	33.2	3.62		6325.6 T=17.5	YSI Leaks
0900	0.25	5.95	16.61	0.115	38.2	3.60		6325.2 T=17.6	YSI Still Leaks
0913	0.50	5.81	16.65	0.115	38.1	3.61		6327.4 T=17.5	No Leak!
0918	0.7	5.77	16.78	0.115	30.1	3.36	2.30	6324.5 T=17.5	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☒ Other: Waterra

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: MW-38 Z1 Sample Date: 16.Nov.10 Sample Time: 0940 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

Brown AND Caldwell

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 1 - Waterloo

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0923	0.9	5.79	16.88	0.115	29.1	3.23	1.81	6325.4	T=17.7
0930	1.0	5.78	16.88	0.115	27.7	3.16	1.48	6325.2	T=17.5
0935	1.2	5.78	16.90	0.115	27.9	3.12	1.63	6325.0	T=17.5
0940	Sampled								

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 3-Waterloo

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBM

Project Location: Anderson, South Carolina Weather: Rain ~50°F

2. WELL DATA

Date Measured: 15.NOV.10 Time: Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches

Screen Diameter: 6 inches

Sampling Interval: 180.2-192.7 feet

Depth to Static Water: 6463.7 feet

Depth to Product: feet

Length of Water Column: feet

Length of water column calculation:
(9093.1-Current Dg reading)*0.02725)*2.3108) = Length of water column (ft)
Well Vol. calculation:
1 well vol. = [vol sand interval(6") - vol of waterloo casing (2")] + vol of water in tubing(1/4")
= [18.36 gal - 2.09 gal] + (0.0102 x length of water column)

Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 16.NOV.10 Time: 0945

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☑ Other:

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☑ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15CE
3. BK-404
4. Van Capper

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0945	Start							6466.2	T=17.2
1002	YSI Full	7.07	15.96	1.826	22.7	5.51			
1010	0.1	6.98	16.61	1.440	10.6	2.55	1.16		Kelly Tim
1012	DRY							9064.2	T=17.0
1439		6.67	15.86	1.516	3.2	7.33	3.46	6590.4	T=17.4

19.NOV.10

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other:

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW36 23 Sample Date: 19.NOV.10 Sample Time: 1430 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: — # of Containers: —

Equipment Blank Collected? ☐ Yes ☑ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Dry @ 1012 / 16/10; Will Sample later

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 5-Waterloo

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBH

Project Location: Anderson, South Carolina Weather: Rain ~50°F

2. WELL DATA

Date Measured: 15.NOV.16 Time: 1700 Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches

Screen Diameter: 6 inches

Sampling Intervall: 269.9-275 feet

Depth to Static Water: 6050.1 feet T-17.4'

Depth to Product: feet

Length of Water Column: feet

Length of water column calculation:
(8843.2-Current Dg reading)*0.03897)*2.3108) = Length of water column (ft)

Well Vol. calculation:
1 well vol. = [vol sand interval(6") - vol of waterloo casing (2")] + vol of water in tubing(1/4")
= [7.49 gal - 0.85 gal] + (0.0102 x length of water column)

Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 16.NOV.16 Time: 1015

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other: Waterloo

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other:

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT ~~556 MPS~~ 150
3. Warn Compressor
4. GK-400

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1025	start							~~6050~~	
1033	YSI Fill	6.79	16.43	3.124	2.5	4.97		7136.2 T=18.4	Yellowish Tint
1038		6.69	16.24	3.148	-7.4	4.46	5.12	7357.3 T=18.4	
1046		6.79	15.99	3.181	-89.9	3.81	4.09	7491.3 T=17.4	
1058	0.1	6.87	15.65	3.205	-117.7	3.40	3.39	7546.3 T=17.5	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other: Waterloo

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-36 Z5 Sample Date: 16.NOV.16 Sample Time: 1150 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-36 Zone 5-Waterloo

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1105		6.85	15.81	3.209	-106.2	2.84	2.73	7810.1	T=17.4
1115	0.2	7.00	15.93	3.206	-130.3	1.75	3.89	7998.7	T=17.4
1125		7.11	15.77	3.187	-136.7	1.00	4.25	8158.7	T=17.4
1135		7.10	15.77	3.187	-132.2	0.86	4.01	8160.1	T=17.4
1145	0.3	7.12	15.57	3.196	-128.4	0.87	7.12	8159.2	T=17.4
1150	Sampled								

Purge data continued on next sheet? ☐

Signature

5

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 1

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern: ______

Client: Owens Corning Personnel: JBH

Project Location: Anderson, South Carolina Weather: Clear ~40°F

2. WELL DATA

Date Measured: 15.NOV.10 Time: 1604 Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches — Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: ______

Screen Diameter: 1 inches — Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other: ______

Total Depth of Well: 195 feet — From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: ______

Depth to Static Water: 21.11 feet — From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: ______

Depth to Product: ______ feet — From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other: ______

Length of Water Column: ______ feet — Well Volume: ______ gal — Screened Interval (from GS): ______

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 17Nov.10 Time: 0705

Purge Method: ☐Bailer, Size: ______ ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☑Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ______ ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ______ ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): ______ well volumes or ______ gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: ______ gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT 15CE
3. Heron Dipper T
4. QED MP-10

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0820								16.98	level High due to tubing Ag
0839	YSI Full	7.07	12.82	0.823	-115.7	2.01		20.81	DTW=21.09' Before pm
0850	0.1	7.26	13.01	0.981	-104.0	1.48		22.29	H_2O is Clear
0900	0.2	7.41	13.29	1.086	-88.8	1.08			
0910	0.3	7.52	13.39	1.114	-78.4	0.82			

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ______ ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☑Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ______ ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ______ ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: ______ Field Filtered? ☐Yes ☑No

Sample ID: MW-37 Z1 Sample Date: 17.NOV.10 Sample Time: 1000 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: —— # of Containers: —

Equipment Blank Collected? ☐Yes ☑No ID: —— # of Containers: ——

Geochemical Analyses

Ferrous Iron: ______ mg/L

DO: ______ mg/L

Nitrate: ______ mg/L

Sulfate: ______ mg/L

Alkalinity: ______ mg/L

5. COMMENTS

Pump inserted as far as possible w/out Force. ~135'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature: JBH

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 1

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0920	0.4	7.31	13.50	1.126	-76.6	0.74		28.08	
0930	0.45	7.45	13.54	1.132	-76.1	0.68			
0940	0.50	7.55	13.77	1.141	-77.6	0.58		31.19	
0950	0.55	7.50	13.85	1.144	-78.9	0.50	254	33.21	
1000	Sample								
1010									
1020									

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: MW-37 Zone 2

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JDM

Project Location: Anderson, South Carolina Weather: Clear ~55F

2. WELL DATA

Date Measured: 15.Nov.10 Time: 1606 Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 232 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 17.69 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 17.Nov.10 Time: 1035

Purge Method: ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: 3/4

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPD
2. DRT-15CE
3. QED MP10
4. Hera Dipper-T

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1113	Start								
1132	YSI Fail	—	15.58	0.209	—	2.40	—	17.87	YSI pH off Recalib ~1.5
1143	0.1	10.08	15.72	0.278	-60.8	1.81	—	17.89	
1150	0.20	10.26	15.79	0.326	-59.0	1.27		17.89	
1200	0.25	10.37	15.86	0.376	-56.0	1.00		17.89	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☑No

Sample ID: MW-37 Z2 Sample Date: 19Nov10 Sample Time: 1230 # of Containers: 2

Duplicate Sample Collected? ☑Yes ☐No ID: DUP-111710A @1200 # of Containers: 2

Equipment Blank Collected? ☑Yes ☐No ID: EB111710 @ 1035 # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

pH is calibrated w/ 4.0 + 7.0 10.26 is outside of cal range.

Pump at depth of reaction ~125'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1210	0.35	10.41	15.92	0.409	-54.6	0.88	8.49	17.84	
1220	0.45	10.53	15.98	0.478	-51.2	0.65	3.91	17.84	
1230	Sampled								
1240									
1250									
1300									
1310									

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: MW-37 Zone 3

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBM

Project Location: Anderson, South Carolina Weather: ~70°F Clear

2. WELL DATA

Date Measured: 15.NOV.10 Time: 16.08 Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 272 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 21.10 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 17.NOV.10 Time: 1330

Purge Method: ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☑Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15CE
3. Heron Dipper-T
4. QED MP-10

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1418	Start							15.02	H_2O level higher due to pump insertion
1428	~~YSI Full~~	Air leak							
1443	Begin Purging again; Leak in Air Line Fixed								
1455	YSI Full	6.87	16.61	0.360	-20.3	3.48		21.74	
1505	0.1	6.87	16.50	0.382	-14.0	3.54			

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☑Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☑No

Sample ID: MW37 Z3 Sample Date: 17.NOV.10 Sample Time: 1525 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: — # of Containers: —

Equipment Blank Collected? ☐Yes ☑No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Pump inserted to depth where it will go w/ our tubing

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-37 Zone 3

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1510	0.15	6.91	16.46	0.393	-23.6	2.26			
1515	0.2	6.92	16.38	0.399	-27.9	1.72			
1520	0.25	6.92	16.39	0.402	-32.0	1.32	2.73	28.14	
1525	Sampled								

Purge data continued on next sheet? ☐

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Page 2 of 2

Signature

5

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-38 Zone 1 ~~[illegible]~~

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JDM

Project Location: Anderson, South Carolina Weather: ~60°F Overcast

2. WELL DATA

Date Measured: 15.NOV.10 Time: 1823 Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 430 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 9.12 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 16.NOV.10 Time: 1855

Purge Method: ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: 3/4" Blad[der]

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: gal/min

Equipment Model(s)
1. Heron Dipper-T
2. YSI 556 MPS
3. DRT-15CE
4. Bladder Pump QED

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 μS/cm	ORP > of ±10% or ±20	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1705	0.0	Start —						7.99	
~~16~~ 1630	Start							4.19 before purge 3.79 after purge	
1645	~~YSI Full~~	Pump not	pumping;	Pulled up	replaced O-Rings + Ball Valve				
~~16~~ 15	YSI Full	7.22	11.43	0.327	7.5	261		9.61	
1720	0.1	7.09	13.27	0.328	5.7	201			

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☑Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☑No

Sample ID: MW-38 Z1 Sample Date: 17NOV10 Sample Time: 1750 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: — # of Containers: —

Equipment Blank Collected? ☐Yes ☑No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

pump @ depth where it would go w/out [illegible] ~

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

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Page 1 of 2

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-38 Zone 1

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1725	0.2	7.53	14.90	0.328	-11.2	1.14	28.2	13.88	Cloudy
1730	0.3	7.66	15.24	0.328	-15.3	0.90	28.3	15.70	"
1735	0.4	7.78	15.82	0.328	-21.0	0.61	33.0	19.86	"
1740	0.5	7.80	15.89	0.328	-22.1	0.55	32.9	21.65	"
1745	0.6	7.83	15.91	0.328	-23.3	0.52	32.4	23.29	"
1750	Sampled →								
1755									
1800									
1805									
1810									
1815									

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-38 Zone 2

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: 39°F

Project Location: Anderson, South Carolina Weather: Sunny/Clear

2. WELL DATA

Date Measured: Time: Temporary Well: ☐Yes ☐No

Casing Diameter: 1 inches Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☒PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 499.6 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/19/10 Time: 09:04

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☒ Other: Gravity

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min Calibrated? ☒ Yes ☐

Equipment Model(s)
1. YSI 556
2. DET-15CE
3.
4.

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0905	0	8.01	14.39	138	-7.9	3.96	0.22	NA	(Artesian)
0910	2.0	7.99	16.67	145	-97.3	2.23	0.13		
0915	4.0	8.00	16.40	144	-116.8	1.84	0.09		
0920	6.0	8.04	16.32	144	-132.0	1.64	0.07		
0925	8.0	8.04	16.33	144	-139.2	1.58	0.03		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☒ Other: Gravity

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: Gravity ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: NA Field Filtered? ☐ Yes ☒ No

Sample ID: MW-28 Zone 2 Sample Date: 11/19/10 Sample Time: 0925 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses
Ferrous Iron: mg/L
DO: mg/L
Nitrate: mg/L
Sulfate: mg/L
Alkalinity: NA mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-38 Zone 2

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0930	10	8.04	16.40	144	-141.8	1.56	0.	NA	
0935	12								
0940									
0945									
0950									

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 1

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel:

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: 15 Nov. 10 Time: 15:47 Temporary Well: ☐ Yes ☐ No

Casing Diameter: 4 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 4 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 105 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 19.53 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 20.NOV. 10 Time: 0800

Purge Method: ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: S/S

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min Calibrated? ☑ Yes ☐

Equipment Model(s)
1. YSI 556 MPS
2. DRT ISCE
3. Heron Dipper T
4. QED MP-10

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0823	Start	—					—	19.61	
0835	YSI Full	8.14	14.35	0.496	-37.1	3.71	—	19.92	Cloudy
0845	0.1	8.96	15.08	6.548	-47.0	2.03	60.6	19.87	
0855	0.25	8.74	15.47	0.315	-46.6	2.11	—	—	
0905	0.35	8.00	15.92	0.241	-38.8	2.92	—	—	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: S/S

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-39 Z1 Sample Date: 20Nov.10 Sample Time: 1000 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: — # of Containers: —

Equipment Blank Collected? ☐ Yes ☑ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Pump @ -100'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 1

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0915	0.45	7.15	16.38	0.161	-28.5	3.55	22.4	19.90	
0925	0.60	7.01	16.63	0.136	-31.6	3.79	14.8	19.88	
0935	0.70	6.88	16.62	0.123	-27.8	3.91	13.6	19.89	
0945	0.85	6.80	16.64	0.117	-24.0	4.01	8.64	19.89	
0955	1.0	6.77	16.75	0.115	-25.1	3.98	7.68	19.90	
~~1005~~	1000	Sample							
1015									

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: MW-39 Zone 2

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBM

Project Location: Anderson, South Carolina Weather: ~60° Clear

2. WELL DATA

Date Measured: 15.NOV.10 Time: 1553 Temporary Well: ☐ Yes ☑ No

Casing Diameter: 1 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 215 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 33.61 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 20.NOV.10 Time: 1640

Purge Method: ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s): 1. YSI 556 MPS 2. DRT-15CE 3. Hera Dipper-T 4. QED MP-10

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1047	Start							27.33 33.60	After Bottom
1104	YSI Full	7.73	19.23	0.630	-46.4	2.10	—	31.50	Cloudy Gray
1114	0.1	7.59	18.87	0.631	-37.9	1.55	210	33.80	"
1124	0.2	7.57	18.85	0.631	-35.1	1.31	215	35.78	"
1134	0.35	7.57	18.76	0.630	-34.4	1.07	211	37.97	"

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-39 ZB Sample Date: 20.NOV.10 Sample Time: 1150 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: — # of Containers: —

Equipment Blank Collected? ☑ Yes ☐ No ID: EB-112010 @1020 # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Pump in @ ~135'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp. ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1144	0.45	7.57	18.8	0.631	-34.7	0.92	220	59.97	
1150	Sampled								

Purge data continued on next sheet? ☐

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: MW-39 Zone 3

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBM

Project Location: Anderson, South Carolina Weather: ~70°F, Clear

2. WELL DATA

Date Measured: 15.NOV.10 Time: 1545 Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 300 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 38.84 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 20NOV.10 Time: 1210

Purge Method: ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☑Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: gal/min Calibrated? ☑Yes ☐

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15CE
3. Horiba U-22 T
4. QED MP-1C

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1235	Start							38.84 Before Pump 39.16 After pump	
1250	YSI Full	6.57	19.93	0.142	-13.8	2.45	—	39.03	
1300	0.1	6.52	19.51	0.142	-23.0	1.79	18.2	40.30	
1310	0.2	6.44	19.07	0.141	-15.0	1.27	14.7	42.88	
1320	0.3	6.38	18.70	0.141	-12.2	0.98	15.0	45.61	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☑Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☑No

Sample ID: MW-39 Z3 Sample Date: 20NOV.10 Sample Time: 1350 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☐No ID: — # of Containers: —

Equipment Blank Collected? ☐Yes ☐No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Intake @ ~135'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-39 Zone 3

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1330	0.4	6.34	18.39	0.141	-10.3	0.80	13.7	48.56	
1340	0.5	6.33	16.14	0.140	-11.3	0.68	15.1	~~50.~~ 50.91	
1350	Sampled								
1400									
1410									
1420									
1430									
1440									

Purge data continued on next sheet? ☐

Signature

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BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 1

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:
Client: Owens Corning Personnel: JBM
Project Location: Anderson, South Carolina Weather: Clear ~ 60°F

2. WELL DATA

Date Measured: 15.Nov.10 Time: 1055 Temporary Well: ☐Yes ☐No

Casing Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:
Screen Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:
Total Depth of Well: 129 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:
Depth to Static Water: 6.26 feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:
Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:
Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 18.Nov.10 Time: 1355

Purge Method: ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: 3/4

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☑Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15CE
3. Hem Dipper T
4. QED MP-10

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1417	Start							6.28 before pump in 6.28 after	Cloudy
1430	YSI Full	7.75	16.33	0.405	-24.9	5.64	657	6.32	
1440	0.1	7.71	16.28	0.348	-31.8	1.59	356	6.28	
1450	0.2	7.69	16.26	0.316	-33.1	1.17	278	6.29	
1500	0.3	7.59	16.12	0.297	-33.5	0.94	232	6.29	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☑Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☑Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☑No

Sample ID: MW-41 Z1 Sample Date: 18.Nov.10 Sample Time: 1550 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L
DO: mg/L
Nitrate: mg/L
Sulfate: mg/L
Alkalinity: mg/L

5. COMMENTS

Pump @ ~35' TOC stuck or some obstruction

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 1

3. PURGE DATA (continued from page ___)

Time	Cum. Gallons Removed (gal)	pH ±0.1 SU	Temp °C ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1510	0.4	7.62	15.96	0.285	-35.1	0.76	281	6.30	
1520	0.55	7.57	15.75	0.281	-35.4	0.67	201	6.29	
1530	0.65	7.56	15.59	0.279	-35.6	0.61	188	6.30	
1540	0.75	7.56	15.44	0.279	-35.7	0.59	193	6.30	
1550	Sampled								
1600									
1610									
1620									

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 2

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Keisten Musgrove

Project Location: Anderson, South Carolina Weather: Partly Cloudy 65°F

2. WELL DATA

Date Measured: 11/18/10 Time: Temporary Well: ☐ Yes ☒ No

Casing Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 129 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/18/10 Time: 14:27

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: Gravity

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: Fittings ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min

Equipment Model(s): 1. Ysi 556 2. 3. 4.

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1427	0	7.80	15.41	222	-42.5	6.62	0.69		artesian
1432	2.5	7.81	16.20	226	-67.8	2.68	0.01		
1437	4.0	7.84	16.12	224	-70.8	1.86	0.0		NA
1442	5.0	7.86	16.13	224	-73.9	1.59	0.0		
1447	6.0	7.87	16.16	223	-75.4	1.43	0.0		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☒ Other: Gravity

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: Fittings. ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☒ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: NA Field Filtered? ☐ Yes ☐ No

Sample ID: MW-41 Zone 2 Sample Date: 11/18/10 Sample Time: 1500 # of Containers: 2

Duplicate Sample Collected? ☒ Yes ☐ No ID: Dup 11-18-10 # of Containers: 2 @ 1200

Equipment Blank Collected? ☐ Yes ☐ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 1

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1452	7.0	7.88	16.15	223	-74.9	1.34	0.0		
1457	8.0	7.88	16.10	223	-74.8	1.27	0.0	NA	

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

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BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 3

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel:

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: 13.Nov.10 Time: 1808 Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 299 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 16.58 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 18.Nov.10 Time: 0830

Purge Method: ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4" Black

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15CE
3. HERON Dipper T
4. QED MP10

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0830	—							15.83' / 10.25'	Before purge / after purge
0835	Notice H2O in Air line tripping one re fan								
0940	Start								
0947	Foam coming from top of well; leak in air line @ ~120								
1000	Start								

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: MW-41 Z3 Sample Date: 18.Nov.10 Sample Time: 1215 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: — # of Containers: —

Equipment Blank Collected? ☐ Yes ☑ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

intake @ ~~125 ft~~ ~120

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-41 Zone 3

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH	Temp	Spec. Cond.	ORP	DO	Turbidity	Water Level	Comments
		±0.1 su	±2°C	> of ±3% or ±10 μS/cm	> of ±10% or ±20 mV	> of ±10% or ±0.2 mg/L	≤ 10 NTU		
1010	YSI Full	6.95	11.03	0.278	-37.1	4.95*		17.29	* DO Elevated from bubbles due
1020	0.1	7.33	11.07	0.269	-30.6	11.63*			to air leak + tripping
1030	0.2	7.43	13.40	0.268	-27.5	14.68*		23.10	in + out several times,
1040	0.3	7.53	13.84	0.268	-27.8	16.00*		27.40	lots of air bubbles in line
1050	0.45	7.56	14.03	0.268	-30.7	14.54*			
1100	0.55	7.56	14.36	0.269	-32.7	13.56*		32.17	
1110	0.70	7.63	14.62	0.269	-34.3	12.07*	10.8	35.24	
1120	0.80	7.57	14.53	0.269	-33.4	11.80*			
1130	0.90	7.62	14.51	0.269	-33.7	11.50*		39.89	
1140	1.0	7.59	14.44	0.270	-32.4	11.38*	7.12		
1150	1.1	7.61	14.64	0.270	-33.3	10.78*	6.15	44.40	
1200	1.25	7.63	14.67	0.270	-33.0	10.65*	9.57		
1210	1.35	7.59	14.67	0.270	-31.8	10.70	9.08	48.86	
1215 — Sampled									

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 Zone 1

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBM

Project Location: Anderson, South Carolina Weather: ~35°F Clear

2. WELL DATA

Date Measured: 13.Nov.10 Time: 1520 Temporary Well: ☐ Yes ☒ No

Casing Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 129 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 37.58 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 19.NOV.10 Time: 0815

Purge Method: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☒ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPS
2. DRT 15CE
3. Hermit Diver T
4. QED MP10

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
0905	Start							37.71 37.71	pump on pump off
0920	YSI Full	7.29	0.195 → 17.15		-24.8	3.83	521	38.13	V. Turbid
0930	0.1	7.51	16.97	0.192	-25.5	3.40	301	38.10	
0940	0.2	7.55	16.87	0.191	-26.2	3.25	245	38.15	
0950	0.3	7.56	16.89	0.190	-26.5	3.15	115	38.11	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: 3/4" ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☒ No

Sample ID: MW42 Z1 Sample Date: 19.NOV.10 Sample Time: 1115 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☒ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Pump @ ~125'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 Zone 1

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1000	0.45	7.59	16.87	0.190	-26.8	3.07	38.13 ↔ 2116		
1010	0.6	7.61	17.01	0.189	-28.1	2.96	82.1	38.12	
1020	0.7	7.70	17.44	0.189	-29.7	2.91	82.6	38.08	
1030	0.8	7.81	18.12	0.189	-30.8	2.83	72.4	38.10	
1040	0.9	7.90	18.23	0.189	-36.1	2.80	69.1	38.05	
1050	1.0	7.85	18.56	0.188	-33.8	2.82	59.1	38.10	
1100	1.1	7.81	18.38	0.187	-32.4	2.80	50.6	38.04	
1110	1.2	7.79	18.25	0.187	-31.5	2.78	40.8	38.01	
1115	Sampled								

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: MW-42 Zone 2

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBM

Project Location: Anderson, South Carolina Weather: Clear ~65°F

2. WELL DATA

Date Measured: 15.NOV.10 Time: ~1525 Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 1 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 222 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 39.40 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 18.NOV.10 Time: 1215

Purge Method: ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☑Other: 3/4"

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☑Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: gal/min Calibrated? ☑Yes ☐

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15CE
3. Hern Dipper T
4. QED-MP.IC

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1245	Start							39.41 39.80	Tube after pump in
1325	YSI FM	7.60	21.17	0.696	-50.6	3.09		36.43	
1335	0.05	7.49	20.96	0.693	-46.5	2.49	11.3	37.88	
1345	0.1	7.37	20.21	0.695	-40.3	1.86	11.0	39.68	
1355	0.15	7.37	20.14	0.694	-46.4	1.63	10.6	40.89	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☑Bladder Pump ☐2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other: 3/4"

Materials: Pump/Bailer ☑Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☑Nylon ☐Other: ☐Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☑No

Sample ID: MW-42Z2 Sample Date: 19.NOV.10 Sample Time: 1415 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Pump as far as it would go ~

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 Zone 2

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1405	0.25	7.41	19.94	0.694	-42.3	1.40	9.37		
1415	Sagged								
1425									
1435								24.5	
1445									

Purge data continued on next sheet? ☐

Signature

5

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 Zone 3

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBN

Project Location: Anderson, South Carolina Weather: Clear ~ 60°F

2. WELL DATA

Date Measured: 15.Nov.10 Time: 1522 *Temporary Well: ☐Yes ☑No

Casing Diameter: 1 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☑PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 285 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 35.96 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 15.Nov.10 Time: 1545

Purge Method: ☐ Bailer, Size: ☑Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☑ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)

1. YSI 556 MPS
2. DRT-15CE
3. Heron Dipper-T
4. QED MP-10

Calibrated? ☑Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1522	Start							29.28 / 35.97	After Pump Pack
1555	YSI Full Start	Leak in air	line above	H2O Column				36.89	
1615	YSI Full	7.37	18.71	0.216	-64.6	2.83			
1625	0.1	7.43	18.28	0.209	-60.4	1.98	22.4	40.19	H2O Cloudy
1635	0.2	7.42	17.84	0.203	-58.8	1.38	26.1	41.63	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☑Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☑Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑Polyethylene ☐ Polypropylene ☐ Teflon® ☑Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☑ No

Sample ID: MW-42 Z3 Sample Date: 15.Nov.10 Sample Time: 1655 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: — # of Containers: —

Equipment Blank Collected? ☐ Yes ☑ No ID: — # of Containers: —

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Intake @ ~150'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: MW-42 Zone 3

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1645	0.35	7.42	17.70	0.200	-52.4mV	21.11	28.1	4261	
1655	Sampled								

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: Alloy

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrave

Project Location: Anderson, South Carolina Weather: Overcast, 58°F

2. WELL DATA

Date Measured: 11/16/10 Time: 1610 Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches — Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 61 feet — From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: ~~2.95~~ 15.21 feet — From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet — Well Volume: gal — Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/16/10 Time: 16:15

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

1.

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

2.

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

3.

4.

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1617	0	6.35	19.03	84	101.5	3.33	2.17	19.28	
1622	2.5	5.92	19.07	88	153.3	5.21	3.26	19.59	
1627	5.0	5.92	19.07	88	197.2	3.94	1.76	19.53	
1632	7.5	5.94	19.06	88	217.7	3.75	1.44	19.53	
1637	9.0	5.90	19.06	88	213.7	3.62	0.46	19.54	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: 19.65 Field Filtered? ☐ Yes ☐ No

Sample ID: ~~1616~~ Alloy Sample Date: 11/16/10 Sample Time: 1650 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☐ No ID: # of Containers:

Equipment Blank Collected? ☒ Yes ☐ No ID: EB-11-16-10 # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: NA mg/L

1650

~~1650~~

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID:_____Alloy_____

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1642	11.0	5.93	19.05	858	216.2	3.56	0.31	19.58	
1647	12.5	5.93	19.05	858	206.7	3.50		19.53	

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: TW-40

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: Kristen Musgrove

Project Location: Anderson, South Carolina Weather: Clear, 65°F

2. WELL DATA

Date Measured: 11/17/10 Time: 1020 Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 94 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 19.78 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: NA feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 1633

Equipment Model(s)

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

1.

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

2.

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

3.

Volume to Purge (minimum): well volumes or gallons

4.

Was well purged dry? ☐ Yes ☒ No Pumping Rate: gal/min Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1633	0	12.39	17.24	3370	155.3	8.76	12.56	23.35	
1638	1.0	12.46	17.12	3379	109.3	5.03	8.42	26.04	
1643	2.0	12.47	17.26	3390	84.7	4.72	10.40	29.22	
1648	3.0	12.48	17.36	3397	65.3	4.55	12.16	33.28	
1653	4.0	12.49	17.38	3399	59.8	4.45	11.98	36.30	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: 42.39 Field Filtered? ☐ Yes ☑ No

Sample ID: TW-40 Sample Date: 11/17/10 Sample Time: 1700 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: NA mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID:_____TW-40_____

3. PURGE DATA (continued from page ____)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1658	5.0	12.49	17.47	3408	52.1	4.46	8.52	41.95	
~~1703~~	~~6.0~~								
1708	7.0								

Purge data continued on next sheet? ☐

Signature

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BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: TW-41

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Kilpatrick

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: 11/17/10 Time: 1642 Temporary Well: ☐ Yes ☑ No

Casing Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 2 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 55.3 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 14.65 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 1642

Purge Method: ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☑ No Pumping Rate: gal/min

Equipment Model(s)
1. Monsoon
2. YSI 556 MPS
3.
4.

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1642		7.69	17.48	0.485	-177.6	108.5	6.47	14.65	
1647		7.69	17.34	0.485	-125.7	55.3	5.66	20.70	
1652		7.74	17.83	0.485	-163.9	48.3	3.83	25.76	
1657		7.79	17.46	0.485	-165.9	45.4	2.79	32.14	
1702		7.83	17.79	0.484	-165.8	46.1	2.56	39.72	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☐ Bladder Pump ☑ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other:

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☑ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: ☑ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: TW-41 Sample Date: 11/17/10 Sample Time: 1708 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

No well cap

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: TW-42

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JBM

Project Location: Anderson, South Carolina Weather: ~70°F Clear

2. WELL DATA

Date Measured: 15.NOV.10 Time: 1642 Temporary Well: ☐ Yes ☒ No

Casing Diameter: 1 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☑ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 26 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 16.65 feet From: ☑ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 20.NOV.10 Time: 1440

Purge Method: ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min

Equipment Model(s)
1. YSI 556 MPS
2. ORT-15CE
3. Horiba U-22
4. QED MP10

Calibrated? ☑ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1509	Start							16.70	
1531	YSI FM	4.68	20.05	0.041	80.1	5.76	62.9	16.71	Turbid
1540	0.1	4.39	19.25	0.041	65.6	5.69	40.3	16.72	
1550	0.2	4.25	18.83	0.040	53.8	5.60	24.7	16.73	
1600	0.3	4.18	18.60	0.040	45.4	5.53	9.42	16.74	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☑ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☑ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☑ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☑ Polyethylene ☐ Polypropylene ☐ Teflon® ☑ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☑ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☐ No

Sample ID: TW-42 Sample Date: 20.NOV.10 Sample Time: # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: # of Containers:

Equipment Blank Collected? ☐ Yes ☑ No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Irrigation @ ~20'

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: TW-42

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp. ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1610	0.4	4.12	18.44	0.040	40.1	5.50	5.29	16.74	
1620	0.5	4.10	18.35	0.040	37.6	5.50	5.15	16.75	
1630	Sampled								
1640									
1650									
1700									

Purge data continued on next sheet? ☐

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Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

5

WELL ID: TW-43

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: JDM

Project Location: Anderson, South Carolina Weather: Clr ~ 60°F

2. WELL DATA

Date Measured: 18.NOV.10 Time: 1645 Temporary Well: ☐ Yes ☒ No

Casing Diameter: 1 2" inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Screen Diameter: 1 inches Type: ☒ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other:

Total Depth of Well: 18.6 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Static Water: 16.52 feet From: ☒ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Depth to Product: feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 18.NOV.10 Time: 1620

Purge Method: ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☒ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☒ Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: gal/min Calibrated? ☒ Yes ☐

Equipment Model(s)
1. YSI 556 MPS
2. DRT-15EL
3. Hand Dipper-T
4. QED-MP10

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1655	Start							16.53	
1714	YSI FM	4.85	16.00	0.044	7.4	6.40		16.57	Turbid
1724	0.1	4.77	15.76	0.043	7.3	6.08	30.6	16.59	
1734	0.2	4.72	15.57	0.043	8.1	6.03	17.8	16.57	
1744	0.3	4.64	15.37	0.042	10.6	5.98	8.38	16.58	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: ☒ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: 3/4"

Materials: Pump/Bailer ☐ Polyethylene ☒ Stainless ☐ PVC ☐ Teflon® ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☒ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☒ Polyethylene ☐ Polypropylene ☐ Teflon® ☒ Nylon ☐ Other: ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐ Yes ☒ No

Sample ID: TW-43 Sample Date: 18.NOV.10 Sample Time: 1800 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: # of Containers:

Equipment Blank Collected? ☒ Yes ☐ No ID: EB-111810 # of Containers: 2

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

purge @ Bottom of well

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: TW-43

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1	Temp. ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1750	0.35	4.59	15.17	0.042	123	5.96	7.07	16.58	
1755	0.40	4.55	15.0C	0.042	135	5.93	6.98	16.58	
1800	• Sample								

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: TW-44

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 200.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: 11/17/10 Time: 1407 Temporary Well: ☐Yes ☐No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 74 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 11.11 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: 62.89 feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 1407

Equipment Model(s)

1. Monsoon
2. YSI 556 MPS
3.
4.

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☑PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☑No Pumping Rate: gal/min Calibrated? ☐Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1407	0	6.07	18.10	0.080	-188.0	76.2	66.2	11.11	
1412		5.77	18.07	0.077	-160.0	68.4	62.8	17.36	
1417		5.81	18.14	0.076	-156.1	65.6	38.3	17.70	
1422		5.81	18.11	0.077	-154.6	64.0	24.2	17.85	
1427		5.76	18.05	0.077	-150.2	63.4	16.34	19.12	

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☑PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: TW-44 Sample Date: 11/17/10 Sample Time: 1455 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

No well cap

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: TW-44

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1432		5.83	18.16	0.076	-152.0	62.5	14.81	19.84	
1437		5.86	18.19	0.077	-151.1	61.8	13.28	19.87	
1442		5.88	18.25	0.076	-150.6	60.7	10.74	19.29	
1447		5.88	18.25	0.077	-149.4	60.4	9.84	18.92	

Purge data continued on next sheet? ☐

FORM GW-2 (Rev 25.Sept.08 - sej)

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

10

WELL ID: TW-46

1. PROJECT INFORMATION

Project Number: 136868 Task Number: 400.001 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: 11/18/10 Time: 1647 Temporary Well: ☐Yes ☑No

Casing Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Screen Diameter: 2 inches Type: ☑PVC ☐Stainless ☐Galv. Steel ☐Teflon® ☐Other:

Total Depth of Well: 88.3 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Static Water: 23.31 feet From: ☑Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Depth to Product: feet From: ☐Top of Well Casing (TOC) ☐Top of Protective Casing ☐Other:

Length of Water Column: feet Well Volume: gal Screened Interval (from GS):

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/18/10 Time: 1647

Equipment Model(s)

1. Monsoon
2. YSI 556 MPS
3.
4.

Purge Method: ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Rope/Tubing ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Volume to Purge (minimum): well volumes or gallons

Was well purged dry? ☐Yes ☐No Pumping Rate: gal/min Calibrated? ☐Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1647		11.38	19.87	1.597	-217.5	63.2	125.7	23.31	
1652		11.62	20.03	1.677	-229.3	26.0	108.3	29.30	
1657		11.59	20.17	1.663	-228.3	23.8	46.6	31.97	
1702		11.53	20.41	1.600	-228.6	22.3	50.2	35.62	
1707		11.58	20.37	1.561	-230.4	20.9	40.2	38.94	

sped up pump

Purge data continued on next sheet? ☑

4. SAMPLING DATA

Method(s): ☐Bailer, Size: ☐Bladder Pump ☑2" Sub. Pump ☐4" Sub. Pump ☐Centrifugal Pump ☐Peristaltic Pump ☐Inertial Lift Pump ☐Other:

Materials: Pump/Bailer ☐Polyethylene ☑Stainless ☐PVC ☐Teflon® ☐Other: ☐Dedicated ☐Prepared Off-Site ☑Field-Cleaned ☐Disposable

Materials: Tubing/Rope ☑Polyethylene ☐Polypropylene ☐Teflon® ☐Nylon ☐Other: ☑Dedicated ☐Prepared Off-Site ☐Field-Cleaned ☑Disposable

Depth to Water at Time of Sampling: Field Filtered? ☐Yes ☐No

Sample ID: TW-46 Sample Date: 11/18/10 Sample Time: 1745 # of Containers: 2

Duplicate Sample Collected? ☐Yes ☑No ID: # of Containers:

Equipment Blank Collected? ☐Yes ☑No ID: # of Containers:

Geochemical Analyses

Ferrous Iron: mg/L

DO: mg/L

Nitrate: mg/L

Sulfate: mg/L

Alkalinity: mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: TW-46

3. PURGE DATA (continued from page 1)

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1712		11.50	20.70	1.496	-228.6	20.3	32.9	42.59	
1717		11.56	20.66	1.473	-230.7	19.6	23.3	46.74	
1722		11.51	20.51	1.474	-227.9	19.7	12.42	49.10	
1727		11.50	20.43	1.424	-228.4	18.5	13.25	50.82	
1732		11.48	20.96	1.321	-230.1	18.1	10.10	54.32	
1737		11.47	21.12	1.308	-230.5	18.2	9.47	57.67	
1742		11.47	21.11	1.289	-229.9	18.4	8.78	60.12	

Purge data continued on next sheet? ☐

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 605 Clinkscales Rd

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel: TB/KW

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. YSI
2. Turbid.
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1445	5	6.50	16.39	0.116	-120.1	94.3	8.41		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 605 Clinkscales Rd Sample Date: 11-16-10 Sample Time: 950 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 134 Friendship Ln

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel:

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. YSI
2. Turbidity
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1000	5	6.25	16.28	0.127	-118.6	125.3	36.1		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 134 Friendship Lane Sample Date: 11-16-10 Sample Time: 1005 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 200 Friendship Ln

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel:

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ❑Yes ❑No

Casing Diameter: _____ inches — Type: ❑ PVC ❑ Stainless ❑ Galv. Steel ❑ Teflon® ❑ Other: _____

Screen Diameter: _____ inches — Type: ❑ PVC ❑ Stainless ❑ Galv. Steel ❑ Teflon® ❑ Other: _____

Total Depth of Well: _____ feet — From: ❑ Top of Well Casing (TOC) ❑ Top of Protective Casing ❑ Other: _____

Depth to Static Water: _____ feet — From: ❑ Top of Well Casing (TOC) ❑ Top of Protective Casing ❑ Other: _____

Depth to Product: _____ feet — From: ❑ Top of Well Casing (TOC) ❑ Top of Protective Casing ❑ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)
1. YSI 556
2. Turbidity
3. _____
4. _____

Purge Method: ❑ Bailer, Size: _____ ❑ Bladder Pump ❑ 2" Sub. Pump ❑ 4" Sub. Pump ❑ Centrifugal Pump ❑ Peristaltic Pump ❑ Inertial Lift Pump ❑ Other: _____

Materials: Pump/Bailer ❑ Polyethylene ❑ Stainless ❑ PVC ❑ Teflon® ❑ Other: _____ ❑ Dedicated ❑ Prepared Off-Site ❑ Field-Cleaned ❑ Disposable

Materials: Rope/Tubing ❑ Polyethylene ❑ Polypropylene ❑ Teflon® ❑ Nylon ❑ Other: _____ ❑ Dedicated ❑ Prepared Off-Site ❑ Field-Cleaned ❑ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ❑ Yes ❑ No Pumping Rate: _____ gal/min Calibrated? ❑ Yes ❑

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1015	2	6.11	15.46	0.228	-152.7	104.7	15.74		

Purge data continued on next sheet? ❑

4. SAMPLING DATA

Method(s): ❑ Bailer, Size: _____ ❑ Bladder Pump ❑ 2" Sub. Pump ❑ 4" Sub. Pump ❑ Centrifugal Pump ❑ Peristaltic Pump ❑ Inertial Lift Pump ❑ Other: _____

Materials: Pump/Bailer ❑ Polyethylene ❑ Stainless ❑ PVC ❑ Teflon® ❑ Other: _____ ❑ Dedicated ❑ Prepared Off-Site ❑ Field-Cleaned ❑ Disposable

Materials: Tubing/Rope ❑ Polyethylene ❑ Polypropylene ❑ Teflon® ❑ Nylon ❑ Other: _____ ❑ Dedicated ❑ Prepared Off-Site ❑ Field-Cleaned ❑ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ❑ Yes ❑ No

Sample ID: 200 Friendship Ln Sample Date: 11-16-10 Sample Time: 1020 # of Containers: 2

Duplicate Sample Collected? ❑ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ❑ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 721 Clinkscales Rd

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern: _____

Client: Owens Corning Personnel: _____

Project Location: Anderson, South Carolina Weather: _____

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. YSI 556
2. Turbidity
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1030	2	6.29	17.73	0.063	-127.3	136.2	0.52		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 721 Clinkscales Rd Sample Date: 11-16-10 Sample Time: 1035 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 628 Airline Rd

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/19/10 Time: 1455

Equipment Model(s)

1. YSI 556 MPS
2. _____
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1455		5.74	16.08	0.106	-20.0	196.7	1.3	—	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 628 Airline Rd. Sample Date: 11/19/10 Sample Time: 1503 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Please contact Mr. Bainter on his cell phone before sampling (770-331-5762)

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 200 Kaye Dr

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel:

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. YSI 556
2. Turbidity
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1150	1	6.38	15.64	0.081	-147.1	152.7	0.48		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 200 Kaye Dr. Sample Date: 11-16-10 Sample Time: 1155 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 303 Kaye Dr

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern: _____

Client: Owens Corning Personnel: _____

Project Location: Anderson, South Carolina Weather: _____

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ❑Yes ❑No

Casing Diameter: _____ inches Type: ❑ PVC ❑ Stainless ❑ Galv. Steel ❑ Teflon® ❑ Other: _____

Screen Diameter: _____ inches Type: ❑ PVC ❑ Stainless ❑ Galv. Steel ❑ Teflon® ❑ Other: _____

Total Depth of Well: _____ feet From: ❑ Top of Well Casing (TOC) ❑ Top of Protective Casing ❑ Other: _____

Depth to Static Water: _____ feet From: ❑ Top of Well Casing (TOC) ❑ Top of Protective Casing ❑ Other: _____

Depth to Product: _____ feet From: ❑ Top of Well Casing (TOC) ❑ Top of Protective Casing ❑ Other: _____

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. YSI 556
2. Turbid. M
3. _____
4. _____

Purge Method: ❑ Bailer, Size: _____ ❑ Bladder Pump ❑ 2" Sub. Pump ❑ 4" Sub. Pump ❑ Centrifugal Pump ❑ Peristaltic Pump ❑ Inertial Lift Pump ❑ Other: _____

Materials: Pump/Bailer ❑ Polyethylene ❑ Stainless ❑ PVC ❑ Teflon® ❑ Other: _____ ❑ Dedicated ❑ Prepared Off-Site ❑ Field-Cleaned ❑ Disposable

Materials: Rope/Tubing ❑ Polyethylene ❑ Polypropylene ❑ Teflon® ❑ Nylon ❑ Other: _____ ❑ Dedicated ❑ Prepared Off-Site ❑ Field-Cleaned ❑ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ❑ Yes ❑ No Pumping Rate: _____ gal/min Calibrated? ❑ Yes ❑

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1205	2	6.20	16.61	0.152	-153.3	126.7	0.58		

Purge data continued on next sheet? ❑

4. SAMPLING DATA

Method(s): ❑ Bailer, Size: _____ ❑ Bladder Pump ❑ 2" Sub. Pump ❑ 4" Sub. Pump ❑ Centrifugal Pump ❑ Peristaltic Pump ❑ Inertial Lift Pump ❑ Other: _____

Materials: Pump/Bailer ❑ Polyethylene ❑ Stainless ❑ PVC ❑ Teflon® ❑ Other: _____ ❑ Dedicated ❑ Prepared Off-Site ❑ Field-Cleaned ❑ Disposable

Materials: Tubing/Rope ❑ Polyethylene ❑ Polypropylene ❑ Teflon® ❑ Nylon ❑ Other: _____ ❑ Dedicated ❑ Prepared Off-Site ❑ Field-Cleaned ❑ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ❑ Yes ❑ No

Sample ID: 303 Kaye Drive Sample Date: 11-16-16 Sample Time: 1210 # of Containers: 2

Duplicate Sample Collected? ❑ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ❑ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 412 Kaye Dr

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern: _____

Client: Owens Corning Personnel: _____

Project Location: Anderson, South Carolina Weather: _____

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. _____
2. _____
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1330	1	6.68	16.39	0.058	-162.5	113.8	1.21		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 412 Kaye Dr. Sample Date: 11-19-10 Sample Time: 1335 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 117 Faye Dr

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern: _____

Client: Owens Corning Personnel: _____

Project Location: Anderson, South Carolina Weather: _____

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal — Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. YSI
2. Turbidity
3. _____
4. _____

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1340	1	6.45	15.99	0.247	-177.0	109.4	0.18		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 117 Faye Dr Sample Date: 11-16-10 Sample Time: 1345 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 115 Elrod Rd

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel: K. Whetstone

Project Location: Anderson, South Carolina Weather: Sunny / Clear

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/19/10 Time: 1443

Equipment Model(s)

1. YSI 556
2. Turbidity
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1443		5.48	11.48	0.108	51.8	77.4	1.25	—	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: 19 Field Filtered? ☐ Yes ☐ No

Sample ID: 115 Elrod Rd Sample Date: 11-19-10 Sample Time: 1450 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 1303 Clinkscales Rd

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel:

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. YSI 556
2. Turbidity
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1100	2	5.90	16.35	0.059	-134.1	124.8	1.13		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 1303 Clinkscales Rd Sample Date: 11-16-10 Sample Time: 1105 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 119 Cloverhill Dr

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel: Kenneth & Kebben

Project Location: Anderson, South Carolina Weather: Clear 55°F

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: 11/17/10 Time: 1830

Purge Method: ☐ ~~Bailer, Size:~~ ☐ ~~Bladder Pump~~ ☐ ~~2" Sub. Pump~~ ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: NA

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ ~~Teflon®~~ ☐ Other: NA ☐ Dedicated ☐ ~~Prepared Off-Site~~ ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ ~~Teflon®~~ ☐ Nylon ☐ Other: NA ☐ Dedicated ☐ ~~Prepared Off-Site~~ ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons Spicket

Was well purged dry? ☐ Yes ☒ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. YSI 556
2. PRT-15CE
3. _____
4. _____

Calibrated? ☒ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
18	0	5.80	16.30	39	253	26.81	1.52	NA	

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☒ No

Sample ID: 119Cloverhill DR Sample Date: 11/17/10 Sample Time: 1830 # of Containers: _____

Duplicate Sample Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☒ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 335 Elrod Rd

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern:

Client: Owens Corning Personnel:

Project Location: Anderson, South Carolina Weather:

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min

Equipment Model(s)
1. YSI 556
2. Turbidity
3. _____
4. _____

Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1115	1	6.63 8.66	13.45	0.171	-187.5	84.6	516		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 335 Elrod Rd Sample Date: 11-16-10 Sample Time: 1115 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

not able to get sample w/out bubbles

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 208 Wesley Ct

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern: _____

Client: Owens Corning Personnel: _____

Project Location: Anderson, South Carolina Weather: _____

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. _____
2. _____
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
		Wells not operating							

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: _____ Sample Date: _____ Sample Time: _____ # of Containers: _____

Duplicate Sample Collected? ☐ Yes ☐ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☐ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

_____

_____

_____

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

_____
Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 408 Clinkscales Rd

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern: _____

Client: Owens Corning Personnel: _____

Project Location: Anderson, South Carolina Weather: _____

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. YSI 556
2. Turbidity
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
1045	2	6.11	15.45	0.051	-132.9	151.9	0.78		

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: 408clinkscales rd Sample Date: 11-16-10 Sample Time: 1050 # of Containers: 2

Duplicate Sample Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☑ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA SHEET

WELL ID: 311 Kaye Dr

1. PROJECT INFORMATION

Project Number: 138670 Task Number: 300.003 Area of Concern: _____

Client: Owens Corning Personnel: _____

Project Location: Anderson, South Carolina Weather: _____

2. WELL DATA

Date Measured: _____ Time: _____ Temporary Well: ☐Yes ☐No

Casing Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Screen Diameter: _____ inches — Type: ☐ PVC ☐ Stainless ☐ Galv. Steel ☐ Teflon® ☐ Other: _____

Total Depth of Well: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Static Water: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Depth to Product: _____ feet — From: ☐ Top of Well Casing (TOC) ☐ Top of Protective Casing ☐ Other: _____

Length of Water Column: _____ feet — Well Volume: _____ gal Screened Interval (from GS): _____

Note: 1-in well = 0.041 gal/ft 2-in well = 0.167 gal/ft 4-in well = 0.667 gal/ft 6-in well = 1.469 gal/ft

3. PURGE DATA

Date Purged: _____ Time: _____

Equipment Model(s)

1. _____
2. _____
3. _____
4. _____

Purge Method: ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Rope/Tubing ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Volume to Purge (minimum): _____ well volumes or _____ gallons

Was well purged dry? ☐ Yes ☐ No Pumping Rate: _____ gal/min Calibrated? ☐ Yes ☐

Time	Cum. Gallons Removed (gal)	pH ±0.1 su	Temp ±2°C	Spec. Cond. > of ±3% or ±10 µS/cm	ORP > of ±10% or ±20 mV	DO > of ±10% or ±0.2 mg/L	Turbidity ≤ 10 NTU	Water Level	Comments
	no	pour		to		pump			

Purge data continued on next sheet? ☐

4. SAMPLING DATA

Method(s): ☐ Bailer, Size: _____ ☐ Bladder Pump ☐ 2" Sub. Pump ☐ 4" Sub. Pump ☐ Centrifugal Pump ☐ Peristaltic Pump ☐ Inertial Lift Pump ☐ Other: _____

Materials: Pump/Bailer ☐ Polyethylene ☐ Stainless ☐ PVC ☐ Teflon® ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Materials: Tubing/Rope ☐ Polyethylene ☐ Polypropylene ☐ Teflon® ☐ Nylon ☐ Other: _____ ☐ Dedicated ☐ Prepared Off-Site ☐ Field-Cleaned ☐ Disposable

Depth to Water at Time of Sampling: _____ Field Filtered? ☐ Yes ☐ No

Sample ID: _____ Sample Date: _____ Sample Time: _____ # of Containers: _____

Duplicate Sample Collected? ☐ Yes ☐ No ID: _____ # of Containers: _____

Equipment Blank Collected? ☐ Yes ☐ No ID: _____ # of Containers: _____

Geochemical Analyses

Ferrous Iron: _____ mg/L

DO: _____ mg/L

Nitrate: _____ mg/L

Sulfate: _____ mg/L

Alkalinity: _____ mg/L

5. COMMENTS

Note: Include comments such as well condition, odor, presence of NAPL, or other items not on the field data sheet.

Signature