Johnson, Sabrina O

| From: | Spradlin, Kollan <kspradlin@scsengineers.com></kspradlin@scsengineers.com> |
|--------------|--|
| Sent: | Friday, December 7, 2018 11:47 AM |
| То: | SWD_Waste; Madden, Melissa |
| Cc: | Ruiz, Larry; ONeillJ@hillsboroughcounty.org; Byer, Kimberly; Curtis, Bob; Dickey, Donovan; Michael |
| | Townsel |
| Subject: | Notification of Well Abandonments |
| Attachments: | 20181207LR GWMW Abandonment Notification.pdf |

Melissa,

Please see the attached notification of the completion of well abandonments and the associated well completion reports completed by Ambient Technologies, Inc. Please feel free to contact me at (813) 804-6716 or Ken Guilbeault at (813) 804-6706 should you have any questions or concerns.

Thank you,

Kollan

Kollan Spradlin, PE, CHMM Project Professional SCS Engineers 3922 Coconut Palm Drive, Suite 102 Tampa, Florida 33619 813-804-6706 (W) 813-955-4906 (C) KSpradlin@scsengineers.com

Driven by Client Success

SCS ENGINEERS

December 7, 2018 File No. 09215600.07

Mr. Larry Ruiz, SC Hillsborough County Transportation and Utilities Services Solid Waste Management Division 332 N. Falkenburg Rd. Tampa, Florida 33619

Subject: Piezometers and Monitoring Wells Abandonment Southeast County Landfill

Dear Mr. Ruiz:

SCS Engineers (SCS) was retained by Hillsborough County Transportation and Utilities Services, Solid Waste Management Division (SWMD) to abandon seventeen piezometers and two groundwater monitoring wells at the Southeast County Landfill (SCLF) in Lithia, Florida. This correspondence provides written documentation of the abandonment activities. A site map showing the location of the abandoned piezometers and monitoring wells is provided in **Appendix A** (Figure 1).

SCS retained Ambient Technologies, Inc. (ATI), a Florida-licensed well drilling firm, to conduct the abandonments. Abandonment activities occurred on November 7 and 8, 2018. Piezometers P-4S, P-4D, P-5D, P-6DA, P-16S, P-16I, P-16D, P-17S, P-17I, P-17D, P-18S, and groundwater monitoring wells TH-74 and TH-75 were abandoned on November 7, 2018. Piezometers P-7D, P-8D, P-12S, P-13S, P-14S, and P-15S were abandoned on November 8, 2018.

All abandonments were completed in accordance with Florida Department of Environmental Protection (FDEP) Chapter 62-532.500 Florida Administrative Code (FAC). The piezometers and wells listed in the previous paragraph were abandoned to the top of casing (toc). Each well and piezometer location consisted of 2-inch diameter polyvinylchloride (PVC) casings within an aluminum riser housing (protective casings). Each abandonment location was measured and filled with grout using a tremmie pipe. Aluminum riser housings, concrete pads, and protective bollards associated with the abandonment locations will be removed by SWMD at a later date.

Field activities were observed and documented by an SCS representative. The abandonment reports completed by ATI are provided as **Appendix B**. Select photographs of the abandonment event are provided as **Appendix C**. A summary of the abandonment activities including measured piezometer depths and the quantity of grout used is provided in Table 1.

| Piezometer Name/ID | Piezometer Casing Material | Measured Field Depth (feet below top of casing) | Estimated Gallons Required (based on field measurement) | Grout Used (gallons) | Grout Used (bags) |
|-----------------------|----------------------------------|---|--|-------------------------|----------------------|
| P-4S | 2" PVC | 10.4 | 1.7 | 7 | 0.5 |
| P-4D | 2" PVC | 26.8 | 4.3 | 3 | 1.5 |
| P-5D | 2" PVC | 15.8 | 2.5 | 5 | 1 |
| P-6D-A | 2" PVC | 36.2 | 5.8 | 10 | 1.5 |
| P-7D | 2" PVC | 25.2 | 4.0 | 10 | 2 |
| P-8D | 2" PVC | 32.0 | 5.1 | 12 | 2 |
| P-12S | 2" PVC | 25.3 | 4.1 | 12 | 2 |
| P-13S | 2" PVC | 27.8 | 4.5 | 12 | 1.5 |
| P-14S | 2" PVC | 28.0 | 4.5 | 12 | 2 |
| P-15S | 2" PVC | 23.1 | 3.7 | 10 | 1.5 |
| P-16S | 2" PVC | 20.0 | 3.2 | 6 | 1.3 |
| P-16I | 2" PVC | 42.1 | 6.7 | 11 | 1.7 |
| P-16D | 2" PVC | 52.5 | 8.4 | 13 | 2.0 |
| P-17S | 2" PVC | 20.4 | 3.3 | 9 | 2 |
| P-17I | 2" PVC | 33.1 | 5.3 | 17 | 2.5 |
| P-17D | 2" PVC | 46.6 | 7.5 | 15 | 3 |
| P-18S | 2" PVC | 42.7 | 6.8 | 12 | 2 |
| TH-74 | 2" PVC | 17.1 | 2.7 | 6 | 1 |
| TH-75 | 2" PVC | 17.0 | 2.7 | 6 | 1 |

Table 1. Summary of Abandonment Details

In addition to the piezometers and groundwater monitoring wells listed in Table 1, the abandonment of additional groundwater monitoring points was previously approved by the FDEP. As outlined in the September 2015 Water Quality Monitoring Plan, abandonment of piezometers and groundwater monitoring wells P-19, P-20, P-21, P-22, P-23, TH-19A, and TH-34A have been approved for abandonment. Piezometers P-19 through P-23 have been kept intact for possible future use. Similarly, TH-19A was approved for abandonment but was not grouted for possible future use.

Groundwater monitoring well TH-34A was also approved for abandonment in the September 2015 Water Quality monitoring Plan, but could not be located by SCS or SWMD field staff. Interviews of former SWMD employees with historical knowledge of the SCLF wellfield indicate that TH-34A has not been sampled in over 10 years and was destroyed many years ago.

Mr. Larry Ruiz, SC December 7, 2018 Page 3

Please do not hesitate to contact me at (813) 804-6716 or Ken Guilbeault at (813) 804-6706 should you have any questions or require additional information.

Sincerely,

Jolla mullei

Kollan L. Spradlin, P.E. Project Professional SCS Engineers

KLS/KEG:kls

2 26

Ken E. Guilbeault, P.G. Project Director SCS Engineers

cc: Kimberly Byer, SWMD Joseph O'Neill, SWMD Michael Townsel, Hillsborough County APPENDIX A

MAP OF ABANDONED PIEZOMETERS



^{5/}PACUECT/HILLSBOROUGH/09215600.00/TASK 1110 - CORRECTIVE ACTIONS PLAN/PIEZOMETERS/SERIES I ABANDONNENT/ABANDONE MONITORING WELLS AND PIEZOMETERS (12.04.18

FIGURE 1. MAP OF ABANDONED PIEZOMETERS AND MONITORING WELLS SOUTHEAST COUNTY LANDFILL NOVEMBER 2018 APPENDIX B

PIEZOMETER ABANDONMENT REPORTS

| | STATE OF FLORII X Southwest Orthwest St. Johns River South Florida Suwannee River DEP Delegated Authority (If | PLEASE, FILL OI ("Denotes Rec | UT ALL APPLICAN quired Fields V | BLE FIELDS There Applicable | | | Date Sta Received: lov 15, 2018 12 Official Use | :03 pm |
|--|--|--|---|---|--|--|--|--------|
| 1.*Permit Number 874147 | CUP/WUP | Number | *0 | ID Number | | _ 62-524 Delir | neation No. | _ |
| 2."Number of permitted we | Ils constructed, repaired, o | or abandoned | 8 *Number | of permitted we | lls not const | ructed, repaire | d, or abandone | d0 |
| 3.*Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/07 | 2018 5 | . Florida Uniqu | ie ID | |
| 6. 15960 672 HWY Well Location - Addres | s, Road Name or Number | N/A , City, ZIP | | | | | | |
| 7. *County_Hillsborough | *Secti | on 23 Land | d Grant | | | Township | 31*Range | 21 |
| 8. Latitude 27 46 29.11 | L. | ongitude 82 11 00. | .86 | | | | | |
| 9. Data Obtained From: _ | | | | | NAD 27 | X NAD 83 | WGS 84 | 1 |
| Public Water Supply | /F (Limited Use/DOH) (Community or Non-Comm echarge Commercial/ | nunity/DEP) /Industrial Disposal | igation | Livestock Uursery Irr Commerci Golf Cours | igation al/Industrial ie Irrigation coveryI | | ring Coupled Geothe Supply | ermal |
| X Other (Describe) PLUG | | | | | | | | |
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| 18. Surface Casing Diame Diain. From Diain. From | ter and Depth: _ft. Toft. No | of Bags | Seal Material Seal Material | (Check One): | Neat Cen | nentBento | oniteOther_ | |
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| 22. Pump Type (If Known) | | بر برایانی T | | nical Analysis (\ | | C | - Tel | |
| Centrifugal Horsepower Pump Depthft. 24. Water Well Contractor | JetSubmersible Pump Capacity (GPM) Intake Depthft. | Turbine | Iron | ppm _Laboratory Tes | Sulfate t | ppm C _Field Test Kit | Chloride | ppm |
| | | | | | | | | |
| *Contractor Name Theotis | Grider | "License Number | 9520 | E-mail A | ddress jeren | ny@ambientte | ch.com | |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee) PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

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| PLUGGED IS | omments: Finish: P | | | | |
| | | | *Deta | Ind Site Man of Well Location | |
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| | STATE OF FLORID | PLEASE, FILL OI (*Denotes Rec | UT ALL APPLICAN uired Fields V | BLE FIELDS /here Applicable | | | Date Stamp ived: 15, 2018 4:35 pm Official Use Only |
|---|---|--|---|--|---|--|--|
| 1.*Permit Number_87414 | CUP/WUP | lumber | *0 | ID Number | | 62-524 Delineati | on No. |
| 2."Number of permitted w | ells constructed, repaired, c | or abandoned | 8 *Number | of permitted well | s not constru | cted, repaired, o | r abandoned0 |
| 3."Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/07/2 | 2018 5. | Florida Unique ID | o |
| 6. 15960 672 HWY Well Location - Addre | ss, Road Name or Number, | N/A City, ZIP | | | | | |
| 7. *County_Hillsborough | *Section | on <u>23</u> Land | d Grant | | | Township <u>31</u> | *Range21 |
| 8. Latitude 27 46 24.57 | L. | ongitude _82 10 47. | .25 | | | | |
| | GPS X_Map | | | | NAD 27 X | NAD 83 | WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | lyF | unity/DEP) Industrial Disposal | igation | Livestock Nursery Irri, Commercia Golf Course | gation I/Industrial Irrigation overyD | HVAC Sup | oled Geothermal |
| X Other (Describe) PLUC | | | | | | | |
| 14.*Measuring Point (Desc 15.*Casing Material: 16.*Total Well Depth 27 7. Abandonment: 2°*From 6.* Total Well Depth 7.* From 7.* From 7.* To 7.* To | Image: Steel Image: 10.0 st. Me Black Steel Galva Black Steel Galva 0 ft. Cased Depth 27.0 X Other (Explain) PLUGG 0.80 ft. No. of Bags 1.5 ft. No. of Bags 1.5 | Which nized X PVC ft. *Open Hole: I GED 0 Seal Material (Seal Material 5 Seal Material 6 Seal Material | nisft Stainle FromTo (Check One): (Check One):_ (Check One):_ (Check One):_ | Above1 ess SteelN ft. *Scr Neat Cem Neat Cem Neat Cem | Below Land S lot Cased _ een: From entBe entBe entBe | Surface *Flowin Other | ig: Yes N |
| 18. Surface Casing Diam Diain. From_ Diain. From_ | eter and Depth: ftToftNo | of Bags | Seal Material Seal Material | (Check One): | _Neat Ceme | entBentonite | Other |
| 19. Primary Casing Dia Diain. From Diain. From Diain. From Diain. From Diain. From | eter and Depth: ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): (Check One): | _Neat Ceme Neat Ceme Neat Ceme Neat Ceme Neat Ceme | entBentonite entBentonite entBentonite entBentonite | Other Other Other Other |
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| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | . of Bags . of Bags . of Bags | Seal Material | (Check One): (Check One); (Check One): | Neat Ceme Neat Ceme Neat Ceme | entBentonite | Other |
| 22. Pump Type (If Known | | 2 40.5 | 23. Cher | nical Analysis (W | hen Require | d): | |
| Centrifugal | _JetSubmersible Pump Capacity (GPM) _ | Turbine | Iron | ppm S | ulfate | ppm Chlo Field Test Kit | rideppm |
| Horsepowerft. Pump Depthft. 24. Water Well Contracto | Intake Depthft. r: | | - | | | | |
| Pump Depthft. | r; | "License Number | 9520 | - | idress jeremy | /@ambienttech.c | om |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee) PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| To To To To To To To To To To | ft. | Color | Grain Size (F, M, C) Grain Size (F, M, C) | Material Material |
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| | | Detail | ed Site Man of Well Location | |
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Give distances from all reference points or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well.

| | STATE OF FLORII | PLEASE, FILL OI ("Denotes Rec | UT ALL APPLICAN quired Fields V | BLE FIELDS /here Applicable |) | | Date Stamp ceived: v 15, 2018 12:03 Official Use O | 3 pm |
|--|---|---|--|---|---|---|---|------|
| 1.*Permit Number 874147 | CUP/WUP | Number | *0 | ID Number | | 62-524 Deline | ation No. | |
| 2."Number of permitted w | ells constructed, repaired, o | or abandoned | 8 *Number | of permitted we | ls not constr | ucted, repaired, | or abandoned _ | 0 |
| 3.*Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/07/ | 2018 5. | Florida Unique | ID | - |
| 6. 15960 672 HWY Well Location - Addre | ss, Road Name or Number | N/A , City, ZIP | | | | | | |
| 7. *County_Hillsborough | *Secti | on 23 Land | d Grant | | | Township 31 | *Range | 21 |
| 8. Latitude 27 46 23.09 | L. | ongitude 82 10 57 | .99 | | | | | |
| | GPSMap | | | | NAD 27 | K | WGS 84 | |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | lyF | nunity/DEP) /Industrial Disposal | igation | Livestock Uursery Irri Commercia Golf Cours | gation al/Industrial e Irrigation overyC | HVAC SI | ng upled Geotherm upply | nal |
| X Other (Describe) PLUC | | | | | - | | | |
| 13.*Measured Static Wate 14.*Measuring Point (Desc 15.*Casing Material: 16.*Total Well Depth5 17.*Abandonment: 2"Fromft. To Fromft. To Fromft. To | AugerCable Tool Horizontal Drilling er Level10.0 ft. Me sribe) Black SteelGalva .8 ft. Cased Depth _15.8 X Other (Explain) PLUG 5.80 ft. No. of Bags ft. No. of Bags | asured Pumping V Which mized X PVC ft. *Open Hole: GED 0 Seal Material 2 Seal Material 3 Seal Material 3 Seal Material 3 Seal Material | Vater Level | ft. A Above bft. *Sc ft. *Sc Neat Cem Neat Cem | fterBelow Land Not Cased reen: From nentB nentB nentB nentB | _Hours at Surface *Flow Other To entonite entonite entonite | GPM /ing:Yes | |
| 8. Surface Casing Diam Diain. From_ Diain. From_ | eter and Depth: ftToftNo | of Bags | Seal Material Seal Material | (Check One): | Neat Cem Neat Cem | entBenton | iteOther | |
| 9. Primary Casing Dia Dia in. From Dia in. From Dia in. From Dia in. From Dia in. From Dia in. From | eter and Depth: ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | of Bags of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): | Neat Cem Neat Cem Neat Cem Neat Cem Neat Cem | ent Benton ent Benton ent Benton | iteOther iteOther iteOther | |
| 20.*Liner Casing Diamete Diain. From_ Diain. From_ Diain. From_ | ft. Toft. No ft. Toft. No | o. of Bags o. of Bags o. of Bags | | (Check One): (Check One): (Check One): | Neat Cem Neat Cem Neat Cem | entBenton | ite Other | |
| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | o. of Bags o. of Bags o. of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cem Neat Cem Neat Cem | nent Benton | ite Other | |
| 22. Pump Type (If Known | | Turbine | | nical Analysis (V | | | C. State | |
| Centrifugal Horsepower | _JetSubmersible Pump Capacity (GPM) Intake Depthft. | | Iron | ppm S | Sulfate | ppm Ch Field Test Kit | loride | _ppm |
| Pump Depthft. 24. Water Well Contracto | r; | | | | | | | |
| | | "License Numbe | r_9520 | E-mail A | ddress jerem | ny@ambienttech | .com | |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee) PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| rom | ft. | Coarse) To | ft. | Color | Grain Size (F, M, C) | Material |
|------------------|--------|---------------|-----|---------|------------------------------|----------|
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| comments: 25D | Finisł | n: PLUG | GED | *Detail | ed Site Map of Well Location | |
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| XSoul Nort Soul Soul Soul DEP | TE OF FLORID hwest ohns River h Florida annee River gated Authority (If J | PLEASE, FILL OU ("Denotes Rec | UT ALL APPLICAN quired Fields V | BLE FIELDS /here Applicable |) | Receiv Nov 1 | Date Stamp ved: 5, 2018 4:35 pm Official Use Only |
|---|--|--|--|---|---|--|--|
| 1. Permit Number_874148 | CUP/WUP N | umber | *0 | ID Number | | 62-524 Delineatio | on No. |
| 2. Number of permitted wells con | structed, repaired, o | r abandoned | 8 *Number | of permitted wel | ls not constru | cted, repaired, or | abandoned 0 |
| 3."Owner's Name HILLS | BOROUGH COUNT | | 4. "Comple | etion Date 11/07/ | 2018 5.1 | Florida Unique ID | |
| 6. 15960 672 HWY Well Location - Address, Roa | the state of the state | N/A | - | | | | |
| 7. *County_Hillsborough | | | d Grant | | -1 | ownship31 | *Range21 |
| 8. Latitude 27 46 32.42 | Lo | naitude 82 10 53 | .07 | | | | |
| 9. Data Obtained From:G | | | | | NAD 27 X | NAD 83 | WGS 84 |
| Specify Intended Use(s) of We Domestic Bottled Water Supply Public Water Supply (Limite Public Water Supply (Comm Class I Injection Class V Injection:Recharge Remediation:Recovery | La R d Use/DOH) nunity or Non-Comm a Commercial/I | unity/DEP) ndustrial Disposal | igation | Golf Cours | gation al/Industrial e Irrigation overyDr | HVAC Supp HVAC Retu | led Geothermal Ny |
| X Other (Describe) PLUGGED | | | | | | | |
| 12.*Drill Method: Auger Hoi Hoi 13.*Measured Static Water Level Idescribe)Idescribe)Idescribe 14.*Measuring Point (Describe)Idescribe Idescribe 15.*Casing Material: Black 16.*Total Well Depth Idescribe 2"Fromft. Toft. ft. 2"Fromft. Toft. Fromft. Toft. Fromft. Toft. Fromft. Toft. Fromft. Toft. | 10.0 ft. Mea Steel Galvar Cased Depth 36.2 ner (Explain) PLUGC No. of Bags 1.50 No. of Bags No. of Bags No. of Bags No. of Bags | sured Pumping V which nized X PVC ft. *Open Hole: I Seal Material (Seal Material Seal Material Seal Material | Vater Level | ft. A Above ess Steelf ft. *Sc ft. *Sc | iterBelow Land S Not Cased reen: From entBe entBe entBe entBe | Hours at ourface *Flowing Other Toft. IntoniteOth IntoniteOth IntoniteOth IntoniteOth | GPM g:YesN |
| 18.*Surface Casing Diameter and Diain. Fromft | Depth: Toft. No. | of Bags | Seal Material | | Neat Ceme Neat Ceme | ntBentonite | Other |
| 19. Primary Casing Diameter and Diain. Fromft Diain. Fromft Diain. Fromft Diain. Fromft | Depth: Toft. No. Toft. No. Toft. No. Toft. No. | of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): | Neat Ceme Neat Ceme Neat Ceme Neat Ceme Neat Ceme Neat Ceme | ntBentonite ntBentonite ntBentonite ntBentonite | Other Other Other Other Other Other |
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| Diain. Fromft | . Toft. No. . Toft. No. | of Bags of Bags of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Ceme Neat Ceme Neat Ceme | ent Bentonite | Other Other Other |
| 22. Pump Type (If Known): | | <u> </u> | | nical Analysis (V | /hen Required | d): | |
| Horsepower Pum | Submersible p Capacity (GPM) Depthft. | Turbine | Iron | ppm S | SulfateF | ppm Chlori Field Test Kit | deppm |
| Pump Depthft. Intake 24. Water Well Contractor: | | | | | | | |
| | r | "License Numbe | 9520 | E-mail A | ddress jeremy | @ambienttech.co | om |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee) PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| ft. ft. | ft. To ft. To ft. To ft. To ft. To ft. To ft. To ft. To ft. To | ft. ft. ft. ft. ft. ft. ft. ft. | Color Color | Grain Size (F, M, C) | Material |
|---|---|--|----------------|--|----------|
| ft. ft. ft. ft. ft. ft. ft. ft. ft. ft. | ft. Toft. Toff. To_ | ft. ft. ft. | | Grain Size (F, M, C) | Material |
| ft. ft. ft. ft. ft. ft. ft. ft. ft. | ft. Toft. | ft. ft. | Color | Grain Size (F, M, C) | Material |
| ft. ft. ft. ft. ft. ft. ft. ft. | ft. To ft. To ft. To ft. To ft. To ft. To | ft. | Color | Grain Size (F, M, C) | Material |
| ft. ft. ft. ft. ft. ft. ft. | ft. To ft. To ft. To ft. To ft. To | | Color | Grain Size (F, M, C) | Material |
| ft. ft. ft. ft. ft. ft. | ft. To ft. To ft. To | 2 her | Color | Grain Size (F, M, C) | Material |
| ft. ft. ft. ft. | ft. To | ft. | Color | Grain Size (F, M, C) | Material |
| ft. ft. ft. | | ft | Color | Grain Size (F, M, C) | Material |
| ft. ft. | ft To | ft. | Color | Grain Size (F, M, C) | Material |
| ft. | 11. 10 | ft. | Color | Grain Size (F, M, C) | Material |
| | ft. To | ft. | Color | Grain Size (F, M, C) | Material |
| | ft. To | ft. | Color | Grain Size (F, M, C) | Material |
| ft. | ft. To | ft. | Color | Grain Size (F, M, C) | Material |
| ft. | ft. To | ft. | Color | Grain Size (F, M, C) | Material |
| ft. | | ft. | Color | Grain Size (F, M, C) | Material |
| ft. | | ft. | Color | Grain Size (F, M, C) | Material |
| ft. | | ft. | Color | Grain Size (F, M, C) | Material |
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| nts: | Finish: Pl | UGGED | | | |
| | | | Detail | ed Site Map of Well Location | |
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| | STATE OF FLORID | PLEASE, FILL OI ("Denotes Rec | UT ALL APPLICAN uired Fields V | BLE FIELDS /here Applicable |) | Rece Nov 1 | Date Stamp ived: 5, 2018 10:11 am Official Use Only |
|--|---|--|---|---|--|---|--|
| 1.*Permit Number_87401 | CUP/WUP | lumber | *0 | ID Number | | 62-524 Delineati | on No. |
| 2."Number of permitted w | vells constructed, repaired, o | or abandoned | 5 *Number | of permitted wel | ls not constru | cted, repaired, or | abandoned 0 |
| 3."Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/08/ | 2018 5. | Florida Unique ID |) |
| 6. 15960 672 HWY | ss, Road Name or Number, | N/A | | | | | |
| 7. *County_Hillsborough | *Section | on 23 Land | Grant | | | Township31 | Range 21 |
| | L | | | | | | |
| | GPS _X_Map | | | | NAD 27 X | NAD 83 | WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:F | L lyF r (Limited Use/DOH) r (Community or Non-Comm techarge Commercial/ | nunity/DEP) Industrial Disposal | igation | Livestock Nursery Irri Commercia Golf Cours | gation al/Industrial e Irrigation overyD | HVAC Sup | oled Geothermal ply |
| X Other (Describe) PLU | veryAir Sparge 3GED | Other (Describe) | | | | | |
| 4.*Measuring Point (Desc. 15.*Casing Material: 16.*Total Well Depth 21From 0.00 ft. Tom From ft. Tom | ar Level 10.0 ft Me cribe) | Which nized X PVC ft. *Open Hole: I GED 0 Seal Material (Seal Material Seal Material Seal Material | nisft Stainle FromTo (Check One): (Check One):_ (Check One):_ (Check One):_ | Above ess Steel ft. "Sc Neat Cem Neat Cem Neat Cem | Below Land S Not Cased reen: From eentBe eentBe eentBe | Surface * Flowin Other | g: Yes N Slot Size ther Xlu38 GSruo ther ther |
| Fromft. To 8. Surface Casing Diam Diain. From Diain. From_ | ft. Toft. No | _ Seal Material (. of Bags . of Bags | (Check One):_ Seal Material Seal Material | | Neat Ceme Neat Ceme | entBentonite | |
| 9. Primary Casing Dia Diain. From Diain. From Diain. From Diain. From Diain. From | ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): | Neat Ceme Neat Ceme Neat Ceme Neat Ceme Neat Ceme | ent Bentonite ent Bentonite ent Bentonite | Other Other Other |
| 20.*Liner Casing Diamete Diain. From_ Diain. From_ Diain. From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Ceme Neat Ceme Neat Ceme | entBentonite | Other |
| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Ceme Neat Ceme Neat Ceme | ent Bentonite | Other |
| | | - 11 | | nical Analysis (V | State of the second sec | | |
| | Jet Submersible | Turbine | Iron | ppm S | Sulfate | ppm Chloi | rideppm |
| 22. Pump Type (If Knowr Centrifugal Horsepower Pump Depthft. 24. Water Well Contracto | Pump Capacity (GPM) Intake Depthft. | · · · · · · | | Laboratory Test | ·! | Field Test Kit | |
| Centrifugal Horsepower Pump Depthft. | Pump Capacity (GPM) Intake Depthft. r: | "License Number | 9520 | | | Field Test Kit /@ambienttech.c | om |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

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SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| То То То То То То То То То То | ft. ft. ft. ft. ft. ft. | ftft. | Color Color | Grain Size (F, M, C) Grain Size (F, M, C) | Material Material | |
|---|--|-------|----------------|--|-------------------|--|
| То Т | ft. ft. | | | | | |
| То Т | | ft. | Color | Grain Size (F, M, C) | Material | |
| To To To To To To To To To To To To To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| То Т | | ft. | Color | Grain Size (F, M, C) | Material | |
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| To To To To To To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To To To To To To | ft | ft. | Color | Grain Size (F, M, C) | Material | |
| To To To To To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To To To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| | ft | ft | Color | Grain Size (F, M, C) | Material | |
| | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| То | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| То | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| То | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| To | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| То | ft. | ft. | Color | Grain Size (F, M, C) | Material | |
| | | | *Detai | led Site Map of Well Location | | |
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| | STATE OF FLORIE Northwest St. Johns River South Florida Suwannee River DEP Delegated Authority (If | PLEASE, FILL OU ("Denotes Rec | UT ALL APPLICAN quired Fields V | BLE FIELDS /here Applicable) | | - | Date Stamp d: 2018 4:35 pm |
|--|--|--|--|--|---|---|--|
| 1.*Permit Number_874148 | CUP/WUP N | lumber | *0 | ID Number | 62- | 524 Delineation | No. |
| | ells constructed, repaired, c | | | | | | |
| | HILLSBOROUGH COUNT | | | | | | |
| 6. 15960 672 HWY | ss, Road Name or Number, | N/A | - 200 | | - 200 020 | | |
| | *Sectio | and the second sec | d Grant | | *Town | nship 31 | *Range 21 |
| | | | | | | | |
| | GPS X Map | | | | AD 27 X | AD 83 | WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | yR | unity/DEP) ndustrial Disposal | igation | Golf Course | ation /Industrial Irrigation | _HVAC Supply _HVAC Return | d Geothermal |
| X Other (Describe) PLUG | | _Outer (Describe) | | | | | |
| 13. Measured Static Wate 14. Measuring Point (Desc 15. Casing Material: 16. Total Well Depth <u>32</u> 17. Abandonment: <u></u> ² "From <u>0.00</u> ft. To <u>32</u> From <u>ft.</u> To From <u>ft.</u> To From <u>ft.</u> To | Horizontal Drilling | asured Pumping V Which nized X PVC ft. *Open Hole: I GED Seal Material (Seal Material Seal Material Seal Material | Vater Level | ft. Afte Above B ess Steel N ft. *Scree Neat Ceme Neat Ceme Neat Ceme Neat Ceme | er Ho elow Land Surfa ot Cased een: From nt Bento nt Bento nt Bento nt Bento | urs atOther | _GPM YesN Slot Size er <u>Slurrv Grout</u> er |
| 18. Surface Casing Diamo Diain. From Diain. From | eter and Depth: ft. Toft. No. | of Bags of Bags | Seal Material Seal Material | (Check One): | Neat Cement_ Neat Cement_ | Bentonite Bentonite | Other |
| 19. "Primary Casing Diam Diain. From Diain. From Diain. From Diain. From Diain. From | eter and Depth: ft. Toft. No. ft. Toft. No. ft. Toft. No ft. Toft. No ft. Toft. No. | of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): | Neat Cement Neat Cement Neat Cement Neat Cement Neat Cement | Bentonite Bentonite Bentonite Bentonite Bentonite | OtherOth |
| 20.*Liner Casing Diamete Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | | (Check One): (Check One): (Check One): | Neat Cement Neat Cement Neat Cement | Bentonite Bentonite Bentonite | Other Other Other |
| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cement Neat Cement Neat Cement | Bentonite Bentonite Bentonite | Other Other Other |
| 22. Pump Type (If Known |): Jet Submersible | Turbine | | nical Analysis (Wi | | the second second | |
| Centrifugal Horsepower | Pump Capacity (GPM) | | Iron | ppm Su | | opm Chloride I Test Kit | eppm |
| Pump Depthft. 24. Water Well Contractor | 8 | | | | | | |
| | | "License Numbe | 9520 | E-mail Ad | dress jeremy@a | mbienttech.com | 1 |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

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PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
|----------------|-------|--------------------|-----|-----------|-----------------------------|----------|
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| omments: 8D | Finis | h: ^{PLUG} | GED | | | |
| omments: | - | h: PLUG | GED | *Detailed | Site Map of Well Location | 1 |
| omments: | - | h: PLUG | GED | *Detailed | Site Map of Well Location | 1 |
| omments: | - | h: PLUG | GED | *Detailed | Site Map of Well Location | 1 |
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| omments: | - | h: PLUG | GED | *Detailed | Site Map of Well Location | |

| | STATE OF FLORII X Southwest Orthwest St. Johns River South Florida Suwannee River DEP Delegated Authority (If | PLEASE, FILL OI ("Denotes Rec | UT ALL APPLICAN uired Fields V | BLE FIELDS /here Applicable |) | | Date Sta Received: Nov 15, 2018 10 Official Use | :11 am |
|--|--|--|--|--|---|--|--|--------|
| 1. Permit Number 874018 | CUP/WUP | lumber | *0 | ID Number | | 62-524 Delir | neation No. | |
| 2."Number of permitted w | ells constructed, repaired, o | or abandoned | 5 *Number | of permitted we | ls not constr | ucted, repaire | d, or abandone | d 0 |
| 3.*Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/08/ | 2018 5 | Florida Uniqu | ue ID | - |
| 6. 15960 672 HWY Well Location - Addres | ss, Road Name or Number | N/A City, ZIP | | | | | | |
| 7. *County_Hillsborough | *Section | on 23 Land | Grant | | | Township | 31 *Range | 21 |
| 8. Latitude 27 46 25.09 | L. | ongitude 82 11 12. | 48 | | | | | |
| | GPS X Map | | | | NAD 27 | X NAD 83 | WGS 8 | 4 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | yF | nunity/DEP) Industrial Disposal | igation | Livestock Nursery Irri Commercia Golf Cours | gation al/Industrial e Irrigation overy[| | ring Coupled Geothe Supply | ermal |
| X Other (Describe) PLUG | | | | | - | | | |
| 13. *Measured Static Wate 14. *Measuring Point (Desc 15. *Casing Material: 16. *Total Well Depth 17. *Abandonment: 2"Fromft. To Fromft. To Fromft. To Fromft. To | AugerCable Tool Horizontal Drilling r Level10.0 ft. Me ribe) Black SteelGalva 3 ft. Cased Depth _25.3 X Other (Explain) PLUG 5.30 ft. No. of Bags ft. No. of Bags | asured Pumping V which nized X PVC ft. *Open Hole: I GED 0 Seal Material (2 Seal Material 3 Seal Material 1 Seal Material | /ater Level | ft. A Above ess Steel ft. "Sc Neat Cem Neat Cem | fter Below Land Not Cased reen: From_ eentE eentE eentE | _Hours at | GPM owing:Yes ft. Slot Size Other Slurry (Other Other Other | Grout |
| 18. Surface Casing Diame Diain. From Diain. From | eter and Depth: ftToftNo | of Bags | Seal Material Seal Material | | Neat Cem Neat Cem | | | |
| 19. Primary Casing Diame Diain. From Diain. From Diain. From Diain. From Diain. From 20. Liner Casing Diamete | eter and Depth: ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No r and Depth: | of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): | Neat Cen Neat Cen Neat Cen Neat Cen Neat Cen | nentBento nentBento nentBento nentBento | oniteOther oniteOther oniteOther oniteOther | |
| Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | . of Bags . of Bags . of Bags | | (Check One): (Check One): (Check One): | Neat Cen Neat Cen Neat Cen | entBent | onite Other | |
| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cen Neat Cen Neat Cen | nentBent | onite Other | |
| 22. Pump Type (If Known) | | Turbine | | nical Analysis (V | | | and the second | |
| Centrifugal Horsepower | _JetSubmersible Pump Capacity (GPM) Intake Depthft. | | Iron | ppm S | Sulfate | ppm (_Field Test Kit | Chloride | ppm |
| Pump Depthft. 24. Water Well Contractor | \$ | | | | | | | |
| | | "License Number | 9520 | E-mail A | ddress jeren | ny@ambientte | ch.com | |

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| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
|-----|--------------|----------|-----|----------|------------------------------|----------|
| | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| rom | ft. | To | ft | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| 12S | Finisl | h: PLUG | | | | |
| 12S | | n: 1200 | | *Detaile | ed Site Map of Well Location | 1 |
| 12S | L II II 21 | n: 1200. | | *Detaile | ed Site Map of Well Location | |
| 12S | FIIIS | n: 1200. | | *Detaile | ed Site Map of Well Location | |
| 12S | | n: 1200. | | *Detaile | ed Site Map of Well Location | |

| | STATE OF FLORI | PLEASE, FILL OU ("Denotes Rec | UT ALL APPLICAN quired Fields V | BLE FIELDS There Applicable) | | Date Stamp Received: Nov 15, 2018 10:11 am Official Use Only |
|---|---|--|---|---|--|--|
| 1.*Permit Number_874018 | CUP/WUP | Number | *0 | ID Number | 62-52 | 4 Delineation No. |
| 2."Number of permitted w | ells constructed, repaired, | or abandoned | 5 *Number | of permitted wells r | ot constructed, | repaired, or abandoned0 |
| 3.*Owner's Name | HILLSBOROUGH COUNT | r | 4. Comple | etion Date 11/08/201 | 8 5. Florida | a Unique ID |
| 6. 15960 672 HWY Well Location - Addre | ss, Road Name or Number | N/A | | | | |
| 7. *County_Hillsborough | *Secti | ion 23 Land | d Grant | | *Towns | hip <u>31</u> *Range <u>21</u> |
| 8. Latitude 27 46 25.91 | 1 | ongitude 82 11 04 | .62 | | | |
| | GPSMap | | | | 0.27 X NA | D 83WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | ly | nunity/DEP) /Industrial Disposal | igation | Livestock Nursery Irrigat Commercial/Ir Golf Course Ir Storage and Recove | ion idustrial rigation | HVAC Return |
| X Other (Describe) PLUG | | _ | | | | |
| 13. Measured Static Wate 14. Measuring Point (Desc 15. Casing Material: 16. Total Well Depth 17. Abandonment: 2"Fromft. To Fromft. To Fromft. To Fromft. To | Auger Cable Tool Horizontal Drilling | easured Pumping V Which anized X PVC 6 ft. *Open Hole: 3GED 50 Seal Material Seal Material Seal Material Seal Material | Vater Level | ft. After Above Bel ess Steel Not ft. Scree Neat Cement Neat Cement Neat Cement | Hour ow Land Surfac Cased (n: From 7 Bentonit Bentonit Bentonit Bentonit | s atGPM e *Flowing:Yes Dther foft. Slot Size eOther Slurry Grout eOther eOther eOther |
| 18. Surface Casing Diamo Diain. From Diain. From | eter and Depth: ftToftNo | o. of Bags | Seal Material Seal Material | (Check One):N | leat Cement | _BentoniteOther |
| 19. Primary Casing Diam Diain. From Diain. From Diain. From Diain. From Diain. From 20. Liner Casing Diamete | ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No or and Depth: | b. of Bags b. of Bags b. of Bags b. of Bags b. of Bags b. of Bags | Seal Material Seal Material Seal Material Seal Material Seal Material | (Check One):N (Check One):N (Check One):N | Neat Cement Neat Cement Neat Cement Neat Cement Neat Cement | Bentonite Other Bentonite Other Bentonite Other Bentonite Other Bentonite Other |
| Diain. From_ Diain. From_ Diain. From_ | ft. Toft. No ft. Toft. No | o. of Bags o. of Bags o. of Bags | | (Check One): | Veat Cement Veat Cement Veat Cement | Bentonite Other Bentonite Other Bentonite Other |
| 21.*Telescope Casing Dia Diain.From_ Diain.From_ | ft. Toft. Noft. Noft. No | o. of Bags o. of Bags o. of Bags | Seal Material | (Check One): | Neat Cement Neat Cement Neat Cement | Bentonite Other Bentonite Other Bentonite Other |
| Diain. From_ | 1. | Turbine | | nical Analysis (Whe | | |
| 22. Pump Type (If Known | | | Iron | ppm Sulf | atepp | m Chlorideppm |
| Diain. From_ 22. Pump Type (If Known Centrifugal Horsepowerft Pump Depthft. 24. Water Well Contracto | _JetSubmersible Pump Capacity (GPM) Intake Depthft. | | | Laboratory Test | Field 1 | est Kit |
| 22. Pump Type (If Known Centrifugal Horsepower Pump Depthft. | _JetSubmersible Pump Capacity (GPM) Intake Depthft. r: | | 9520 | Laboratory Test | Field 1 | |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee) PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| | ft. | Coarse) To | ft. | Color | Grain Size (F, M, C) | Material |
|-------------------|------------|---------------|------------|----------------|--|----------------------|
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| From | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| From | ft. | To | ft | Color | Grain Size (F, M, C) | Material |
| From | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| From | ft | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | fl. | To | ft. | Color | Grain Size (F, M, C) | Material |
| from | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) Grain Size (F, M, C) | |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| | | | | | | |
| rom | ft. ft. | To | ft. ft. | Color Color | Grain Size (F, M, C) Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| | Finisł | ו: PLUGO | GED | *Detaile | Site Map of Well Location | |
| comments: 213S | Finisł | ו: PLUGG | GED | *Detailed | d Site Map of Well Location | |
| | Finish | n: PLUGG | GED | *Detailed | d Site Map of Well Location | 1 |
| | Finish | ר: PLUGO | GED | *Detailed | d Site Map of Well Location | |
| | Finisł | ר: PLUGO | GED | *Detailed | d Site Map of Well Location | 1 |
| | Finish | n: PLUGO | GED | *Detailed | d Site Map of Well Location | |
| | Finisł | ר: PLUG | GED | *Detailed | d Site Map of Well Location | |
| | Finish | n: PLUG | GED | *Detailed | d Site Map of Well Location | |
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| | Finish | n: PLUG | GED | *Detailed | d Site Map of Well Location | |
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| | Finish | n: PLUG | GED | *Detailed | d Site Map of Well Location | |
| | Finish | n: PLUG | GED | *Detailed | d Site Map of Well Location | |
| | Finish | n: PLUG | GED | *Detailed | d Site Map of Well Location | |
| | Finish | n: PLUG | GED | *Detailed | d Site Map of Well Location | |

| | STATE OF FLORII | PLEASE, FILL OI ("Denotes Rec | UT ALL APPLICAN quired Fields V | BLE FIELDS /here Applicable |) | | Date Stamp sived: 15, 2018 10:11 am Official Use Only |
|--|---|---|---|---|---|---|--|
| 1.*Permit Number 874018 | CUP/WUP | lumber | *0 | ID Number | | 62-524 Delineat | ion No. |
| 2."Number of permitted we | ells constructed, repaired, o | or abandoned | 5 *Number | of permitted wel | ls not constr | ucted, repaired, c | r abandoned0 |
| 3.*Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/08/2 | 2018 5. | Florida Unique II | o |
| 6. 15960 672 HWY Well Location - Addres | s, Road Name or Number | N/A City, ZIP | | | | | |
| 7. *County_Hillsborough | *Section | on 23 Land | d Grant | | | Township 31 | *Range21 |
| 8. Latitude 27 46 27.06 | L. | ongitude 82 11 06. | .01 | | | | |
| | GPSMap | | | | NAD 27 | (| WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:Re | /F | nunity/DEP) Industrial Disposal | igation | Livestock Nursery Irri Commercia Golf Cours Storage and Rec | gation al/Industrial e Irrigation overyD | Site Invest Monitoring Test Earth-Cou HVAC Sup HVAC Ret Drainage | pled Geothermal |
| X Other (Describe) PLUG | | | | | - | | |
| 13. Measured Static Water 14. Measuring Point (Description 14. Measuring Point (Description 15. Casing Material: | ugerCable Tool Horizontal Drilling Level10.0 ft. Me ibe) Black SteelGalva ft. Cased Depth _28.0 SOther (Explain) UL8 G 0 ft. No. of Bags ft. No. of Bags | asured Pumping V which nized X PVC ft. *Open Hole: I GED Seal Material (Seal Material Seal Material | Vater Level | ft. A Above ess Steel ft. *Sco Neat Cem Neat Cem | fterBelow Land Not Cased reen: From entB entB entB entB | _Hours at Surface *Flowir Other Toft entoniteO entoniteO entoniteO entoniteO | GPM ng:Yes |
| 8. Surface Casing Diame Diain. From Diain. From | ter and Depth: _ft. Toft. No | . of Bags | Seal Material Seal Material | | Neat Cem Neat Cem | | |
| 19. Primary Casing Diame Diain. From Diain. From Diain. From Diain. From Diain. From 20. Liner Casing Diameter | ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): | Neat Cem Neat Cem Neat Cem Neat Cem Neat Cem | entBentonite entBentonite entBentonite | eOther eOther eOther |
| Diain. From Diain. From Diain. From | ft. Toft. No ft. Toft. No | . of Bags . of Bags . of Bags | | (Check One): (Check One): (Check One): | Neat Cem Neat Cem Neat Cem | entBentonite | eOther |
| 21.*Telescope Casing Dia Diain.From Diain.From Diain.From | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cem Neat Cem Neat Cem | entBentonit | eOther |
| 22. Pump Type (If Known) | | Turbine | | nical Analysis (V | | | 100- |
| Centrifugal Horsepower | JetSubmersible Pump Capacity (GPM) Intake Depth ft. | | Iron | ppm S | Sulfate | ppm Chlo Field Test Kit | rideppm |
| Pump Depthft. 24. Water Well Contractor | V | | | | | | |
| Pump Depthft. | | "License Number | 9520 | E-mail A | ddress jerem | y@ambienttech.c | com |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

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SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| /I=Medium From | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
|---------------------------|--------|-----------------|-----|-------|--|-------------------|
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft | | ft. | Color | | |
| | ft. | To | | | Grain Size (F, M, C) Grain Size (F, M, C) | Material |
| rom | | To | ft. | Color | | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| | ft. | | ft. | Color | Grain Size (F, M, C) | Material |
| from Comments: J14r | Finish | To 1: UL8 G0 | _ | | | Watena |
| comments: | _ | | _ | | ed Site Map of Well Location | Wateria |
| comments: | _ | | _ | | | |

Give distances from all reference points or structures, septic systems, sanitary hazards, and contamination sources within 500 ft. of well.

| | STATE OF FLORI X Southwest Northwest St. Johns River South Florida Suwannee River DEP Delegated Authority (I | PLEASE, FILL OU ("Denotes Rec | UT ALL APPLICAN uired Fields V | BLE FIELDS /here Applicable) | | | Date Stamp ed: 2018 10:11 am Official Use Only |
|---|---|---|---|---|---|-------------------------------------|---|
| 1.*Permit Number_874018 | CUP/WUP | Number | *0 | ID Number | 62 | 2-524 Delineation | No |
| 2."Number of permitted w | ells constructed, repaired, | or abandoned | 5 *Number | of permitted wells | s not constructe | ed, repaired, or a | bandoned0 |
| 3.*Owner's Name | HILLSBOROUGH COUN | т | 4. Comple | etion Date 11/08/2 | 018 5. Flo | orida Unique ID _ | |
| 6. 15960 672 HWY Well Location - Addre | ss, Road Name or Numbe | N/A r, City, ZIP | | | | | |
| 7. *County_Hillsborough | *Seci | ion 23 Land | d Grant | | *Tov | vnship <u>31</u> | *Range 21 |
| 8. Latitude 27 46 27.99 | | Longitude 82 11 14 | .54 | | | | |
| 9. Data Obtained From: | GPSMap | Survey | | Datum: N | AD 27 X | NAD 83 | WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | у | munity/DEP) I/Industrial Disposal | igation | Livestock Urrige Commercial Golf Course Storage and Reco | ation /Industrial Irrigation weryDrain | HVAC Return | d Geothermal |
| X Other (Describe) PLUG | | _ | | | | | |
| 13. Measured Static Wate 14. Measuring Point (Desc 15. Casing Material: 16. Total Well Depth 17. Abandonment: 2"Fromft. To Fromft. To Fromft. To | AugerCable Tool Horizontal Drilling _ r Level10.0 ft. Mi ribe) Black SteelGalv 1 ft. Cased Depth23. X Other (Explain) PLUC 3.10 ft. No. of Bags ft. No. of Bags | easured Pumping V mized X PVC ft. *Open Hole: GGED Seal Material Seal Material Seal Material Seal Material | Vater Level | ft. Aft AboveB ess SteelN bft. *Scree Neat Ceme Neat Ceme Neat Ceme | erH Below Land Sur ot Cased een: From entBent entBent entBent | ours at | GPM YesN Slot Size er Slurry Grout |
| 18. Surface Casing Diamo Diain. From Diain. From | eter and Depth: .ft. Toft. No | o. of Bags b. of Bags | Seal Material Seal Material | (Check One): | Neat Cement Neat Cement | Bentonite | Other |
| 19. Primary Casing Diam Diain. From Diain. From Diain. From Diain. From Diain. From 20. "Liner Casing Diamete | ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No r and Depth: | o. of Bags o. of Bags o. of Bags o. of Bags o. of Bags o. of Bags | Seal Material Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): | Neat Cement Neat Cement Neat Cement Neat Cement Neat Cement | Bentonite Bentonite Bentonite | Other Other Other Other Other Other |
| Diain. From_ Diain. From_ Diain. From_ | ft. Toft. N ft. Toft. N | o. of Bags o. of Bags o. of Bags | | (Check One): (Check One): (Check One): | Neat Cement Neat Cement Neat Cement | Bentonite | Other Other _Other |
| 21.*Telescope Casing Dia Diain. From_ Diain. From_ Diain. From_ | ft. Toft. N ft. Toft. N | o. of Bags o. of Bags o. of Bags | Seal Material | (Check One): (Check One): (Check One): | _Neat Cement _Neat Cement _Neat Cement | Bentonite | Other Other _Other |
| |): Jet Submersible | Turbine | | nical Analysis (WI | | | |
| | SUDDERSIDIE | | Iron | ppm Si | ulfate | _ppm Chlorid | eppm |
| 22. Pump Type (If Known Centrifugal Horsepower Pump Depthft. 24. Water Well Contracto | Pump Capacity (GPM) Intake Depthft. | · · · · · · | | Laboratory Test | Fie | ld Test Kit | |
| Centrifugal Horsepower Pump Depthft. | Pump Capacity (GPM) Intake Depthft. r: | "License Numbe | 9520 | | | ld Test Kit ambienttech.con | n |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

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PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| /I=Medium, From | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
|--------------------|-------|---------|-----|----------|-----------------------------|----------|
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| om | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft, | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft | To | ft | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F. M. C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | fl. | То | ft. | Color | Grain Size (F, M, C) | Material |
| rom | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| Comments: 215S | Finis | h: PLUG | GED | | | |
| | Finis | h: PLUG | GED | *Detaile | d Site Map of Well Location | |
| | Finis | h: PLUG | GED | *Detaile | d Site Map of Well Location | |
| | Finis | h: PLUG | GED | *Detaile | d Site Map of Well Location | |
| | Finis | h: PLUG | GED | *Detaile | d Site Map of Well Location | |
| | Finis | h: PLUG | GED | *Detaile | d Site Map of Well Location | |

| | STATE OF FLORII | PLEASE, FILL O ("Denotes Red | UT ALL APPLICAE quired Fields V | LE FIELDS (here Applicable) | | | Date Stamp ed: 2018 12:03 pm Official Use Only |
|--|--|---|---|---|--|--|---|
| 1."Permit Number_87414 | CUP/WUP | Number | *0 | ID Number | 62- | 524 Delineation | No. |
| 2."Number of permitted w | vells constructed, repaired, o | or abandoned | 8 *Number | of permitted wells | not constructed | d, repaired, or a | bandoned 0 |
| 3.*Owner's Name | HILLSBOROUGH COUNT | . Marini, | 4. Comple | tion Date 11/07/2 | 018 5. Flor | ida Unique ID | |
| 6. 15960 672 HWY Well Location - Addre | ss, Road Name or Number | N/A , City, ZIP | | | | | |
| 7. *County_Hillsborough | *Secti | on 23 Land | d Grant | | *Tow | nship <u>31</u> | *Range 21 |
| 8. Latitude 27 46 28.31 | L. | ongitude 82 10 54 | .31 | | | | |
| 9. Data Obtained From: | GPSX_Map | Survey | | Datum:N | AD 27 X | NAD 83 | _WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:F | lyF | nunity/DEP) Industrial Disposa | igation | Livestock Nursery Irrig Commercial Golf Course | /Industrial Irrigation | Monitoring Test Earth-Couple HVAC Suppl HVAC Return | ed Geothermal y |
| X_Other (Describe) PLUC | | | | | | | |
| 13. *Measured Static Wate 14. *Measuring Point (Dese 15. *Casing Material: 16. *Total Well Depth 17. *Abandonment: 2"Fromft. To Fromft. To Fromft. To | Auger Cable Tool Horizontal Drilling | asured Pumping V Which inized X PVC ft. *Open Hole: GED Seal Material Seal Material Seal Material Seal Material | Vater Level | ft. Aft Above E ess Steel N ft. *Scree Neat Ceme Neat Ceme Neat Ceme Neat Ceme | erHo elow Land Surfa ot Cased een: From intBento intBento intBento | urs at ace *Flowing: Other Toft. ft. niteOth Oth Oth Oth | GPM YesNo Slot Size er Slurry Bentonita |
| Fromft. To 18.*Surface Casing Diam Diain. From_ Diain. From_ | ft. Toft. No | _ Seal Material . of Bags of Bags | (Check One):_ Seal Material Seal Material | | ntBento _Neat Cement _Neat Cement_ | niteOth Bentonite Bentonite | er Other |
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| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | o. of Bags o. of Bags o. of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cement Neat Cement Neat Cement | Bentonite Bentonite Bentonite | Other Other Other |
| 22. Pump Type (If Known | | - 14 | 23. Cher | nical Analysis (W | nen Required): | | |
| | _JetSubmersible | Turbine | Iron | - Ciars as | | ppm Chlorid I Test Kit | eppm |
| Centrifugal Horsepower Pump Depthft. 24. Water Well Contracto | former and the second second | | - | Laboratory Test | | 1 TOST THE | |
| Horsepowerft. | Intake Depthft. r: | "License Numbe | r_9520 | | dress jeremy@a | | n |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee) PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| rom | and C=0 ft. | То | ft. | Color | Grain Size (F, M, C) | Material | |
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| | Finisl | n: PLUG | GED | *Detail | ed Site Map of Well Location | | |

| | STATE OF FLORI Northwest St. Johns River South Florida Suwannee River DEP Delegated Authority (If | PLEASE, FILL OI (*Denotes Rec | UT ALL APPLICAN quired Fields V | BLE FIELDS Vhere Applicable) | | | Date Stamp d: 2018 4:35 pm |
|---|---|---|------------------------------------|--|---|---|--|
| 1."Permit Number_874148 | CUP/WUP | Number | *0 | DID Number | 62 | -524 Delineation | No |
| 2."Number of permitted w | ells constructed, repaired, | or abandoned | 8 *Number | of permitted well | s not constructe | ed, repaired, or a | bandoned 0 |
| 3."Owner's Name | HILLSBOROUGH COUNT | | 4. Compl | etion Date 11/07/2 | 018 5. Flo | rida Unique ID | |
| 6. 15960 672 HWY Well Location - Addre | ss, Road Name or Number | N/A City, ZIP | | | | | |
| 7. *County_Hillsborough | *Secti | on 23 Land | d Grant | | *Tov | vnship <u>31</u> | *Range 21 |
| 8. Latitude 27 46 34.63 | i. | ongitude 82 11 02 | .54 | | | | |
| | GPS X Map | | | | AD 27 X | NAD 83 | WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | lyl | nunity/DEP) /Industrial Disposal | igation | Livestock Nursery Irrig Commercia Golf Course | gation l/Industrial e Irrigation poveryDrain | HVAC Return | d Geothermal |
| X Other (Describe) PLUC | | | | | | | |
| 13. *Measured Static Wate 14. *Measuring Point (Desc 15. *Casing Material: 16. *Total Well Depth2 17. *Abandonment: 2"Fromft. To Fromft. To Fromft. To | AugerCable Tool Horizontal Drilling er Level10.0 ft. Me sribe) Black SteelGalva .1 ft. Cased Depth _42.1 X Other (Explain) PLUG 2.10 ft. No. of Bags ft. No. of Bags | easured Pumping V Which anized X PVC ft. *Open Hole: GED 0 Seal Material 2 Seal Material 3 Seal Material 3 Seal Material 3 Seal Material | Vater Level | ft. Af Above I ess SteelN bft. *Scr Neat Cem Neat Cem | terH Below Land Sur lot Cased een: From entBent entBent entBent | ours at face *Flowing: Toft. ft. ft. the poniteOthe poniteOthe | _GPM YesNo Slot Size r Slurry Grout |
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| 19. Primary Casing Dia Diain. From Diain. From Diain. From Diain. From Diain. From 20. Liner Casing Diamete | ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | b. of Bags b. of Bags b. of Bags b. of Bags b. of Bags | Seal Material | | Neat Cement Neat Cement Neat Cement Neat Cement Neat Cement | Bentonite Bentonite Bentonite | Other Other Other Other Other |
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| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | o. of Bags o. of Bags o. of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cement Neat Cement Neat Cement | Bentonite | Other Other Other |
| 22. Pump Type (If Known Centrifugal | | Turbine | | mical Analysis (W | | | |
| | _JetSubmersible Pump Capacity (GPM) | | Iron | ppm S | ulfate | _ppm Chloride ld Test Kit | eppm |
| Horsepowerft. 24. Water Well Contracto | Intake Depthft. | | | _Laboratory reat | | 1.1.222.22 | |
| Horsepowerft. | Intake Depthft. r: | "License Numbe | 9520 | | | ambienttech.com | |

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ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

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SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| 2161 | | | | *Detail | ed Site Map of Well Location | |
| 2161 | | | | *Detail | ed Site Map of Well Location | |

| XSC NO St SC DO | ATE OF FLORIE orthwest Johns River outh Florida uwannee River EP elegated Authority (If | PLEASE, FILL OI ("Denotes Rec | UT ALL APPLICAI quired Fields V | BLE FIELDS /here Applicable | | Recei [,] Nov 1 | Date Stamp ved: 5, 2018 4:35 pm Official Use Only |
|---|---|--|--|--|--|---|--|
| 1. Permit Number 874148 | CUP/WUP N | lumber | *0 | ID Number | | 62-524 Delineatio | on No. |
| 2."Number of permitted wells c | | | | | | | |
| 3."Owner's Name HIL | LSBOROUGH COUNT | | 4. "Compl | etion Date 11/07/2 | 2018 5.1 | Florida Unique ID | |
| 6. 15960 672 HWY "Well Location - Address, R | | N/A | - | | | | |
| 7. *County_Hillsborough | | | d Grant | | -1 | ownship31 | *Range_ 21 |
| 8. Latitude 27 46 34.77 | Ĺ | ongitude 82 11 02 | .23 | | | | |
| 9. Data Obtained From: | | | | | NAD 27 X | NAD 83 | WGS 84 |
| Specify Intended Use(s) of Domestic Bottled Water Supply Public Water Supply (Lim Public Water Supply (Con Class I Injection Class V Injection:Rechal Remediation:Recovery | ited Use/DOH) nmunity or Non-Comm rge Commercial// | unity/DEP) Industrial Disposa | igation | Golf Course | gation Il/Industrial e Irrigation overyDr | HVAC Supp HVAC Retu | led Geothermal bly |
| X Other (Describe) PLUGGED | | | | | | | |
| 12.*Drill Method: Auge 13.*Measured Static Water Lev 14.*Measuring Point (Describe) 15.*Casing Material: Bla 16.*Total Well Depth 52.5 ft. 17.*Abandonment: X 2"From 0.00 ft. To 2"From ft. To From ft.< To | el <u>10.0</u> ft. Mea ck Steel <u>Galva</u> Cased Depth <u>52.5</u> Other (Explain) <u>PLUGO</u> t. No. of Bags <u>2.0</u> t. No. of Bags t. No. of Bags | asured Pumping V Which nized X PVC ft. *Open Hole: GED Seal Material Seal Material Seal Material Seal Material | Vater Level | ft. Af Above | iter Below Land S Not Cased een: From ent Be ent Be ent Be | Hours at | GPM g:YesN |
| 18. Surface Casing Diameter a Diain. From Diain. From | and Depth: _ft. Toft. No. | of Bags | Seal Material | (Check One): (Check One): | Neat Ceme Neat Ceme | ntBentonite | Other |
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| 22. Pump Type (If Known): | | ÷. 34 | | nical Analysis (W | a se | the second se | |
| | Submersible ump Capacity (GPM) _ ake Depthft. | Turbine | Iron | ppm S | SulfateF | ppm Chlor Field Test Kit | ideppm |
| 24. Water Well Contractor: | | | | | | | |
| 24. Water Well Contractor; *Contractor Name Theotis Gri | der | "License Numbe | r_9520 | E-mail Ad | dress jeremy | @ambienttech.co | om |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

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| om | ft. | То | ft. | Color | Grain Size (F, M, C) | Material | |
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| | STATE OF FLORID | PLEASE, FILL O ("Denotes Red | UT ALL APPLICAN quired Fields V | ELE FIELDS /here Applicable |) | | Date Stamp ived: 15, 2018 12:03 pm Official Use Only |
|--|--|--|---|--|--|---|---|
| 1."Permit Number_87414 | CUP/WUP N | lumber | *0 | ID Number | | 62-524 Delineat | ion No. |
| 2."Number of permitted w | vells constructed, repaired, c | or abandoned | 8 *Number | of permitted wel | ls not constru | cted, repaired, o | r abandoned |
| 3."Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/07/2 | 2018 5. | Florida Unique II | 5 |
| 6. 15960 672 HWY "Well Location - Addre | ss, Road Name or Number, | N/A City, ZIP | | | | | |
| 7. *County_Hillsborough | *Section | on <u>23</u> Land | d Grant | | | Township <u>31</u> | *Range 21 |
| 8. Latitude 27 46 27.65 | ι. | ongitude 82 11 00 | .30 | | | | |
| | GPS X Map | | | | NAD 27 X | NAD 83 | WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:F | lyF | unity/DEP) Industrial Disposa | igation | Livestock Nursery Irri Commercia Golf Course | gation al/Industrial e Irrigation overyD | HVAC Sup | pled Geothermal |
| X Other (Describe) PLU | | | | | | | |
| 13. *Measured Static Wate 14. *Measuring Point (Dese 15. *Casing Material: 16. *Total Well Depth 17. *Abandonment: 2"Fromft. To Fromft. To Fromft. To | AugerCable Tool Horizontal Drilling er Level10.0 ft Me cribe) _Black SteelGalva .4 ft. Cased Depth _20.4 X Other (Explain) PLUGO 0.40 ft. No. of Bags ft. No. of Bags ft. No. of Bags | asured Pumping V Which nized X PVC ft. *Open Hole: GED Seal Material Seal Material Seal Material Seal Material | Vater Level | ft. Al Above | iterBelow Land S Not Cased reen: From entBe entBe entBe | Hours at Surface *Flowin Other Toft entoniteO entoniteO entoniteO | GPM hg:Yes Slot Size therSlurry Bentonii ther ther ther |
| Fromπ. 10 18.*Surface Casing Diam Diain. From_ Diain. From_ | ft. To ft. No | _ Seal Material | Seal Material Seal Material | | Neat Ceme Neat Ceme | entBentonite | |
| 19. Primary Casing Dia Diain. From Diain. From Diain. From Diain. From Diain. From | eter and Depth: ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): (Check One): | Neat Ceme Neat Ceme Neat Ceme Neat Ceme Neat Ceme | entBentonite entBentonite entBentonite | eOther eOther eOther |
| 20.*Liner Casing Diamete Diain. From_ Diain. From_ Diain. From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | | (Check One): (Check One): (Check One): | Neat Ceme Neat Ceme Neat Ceme | entBentonite | eOther |
| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | . of Bags . of Bags . of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Ceme Neat Ceme Neat Ceme | entBentonite | eOther |
| 22. Pump Type (If Known | | - CO. | 23. Cher | nical Analysis (W | /hen Require | d): | |
| Centrifugal Horsepower Pump Depth ft. | furnite a state of the state of | Turbine | Iron | ppm S Laboratory Test | SulfateI | ppm Chlo Field Test Kit | rideppm |
| 24. Water Well Contracto | r: | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | "License Numbe | r_9520 | E-mail A | ddress jeremy | @ambienttech.c | com |

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee) PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
|-----|------------|--------------------|------------|----------------|--|----------|
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| om | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| om | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
| m | ft. | То | ft. | Color | Grain Size (F, M, C) | Material |
| m | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| om | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| om | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| | ft. | To | ft. | Color | Grain Size (F, M, C) Grain Size (F, M, C) | Material |
| om | | | | | | Material |
| om | ft. ft. | To | ft. ft. | Color | Grain Size (F, M, C) | Material |
| om | ft. | To | ft. | Color Color | Grain Size (F, M, C) Grain Size (F, M, C) | Material |
| | | | _ | | | |
| 17S | Finis | h: ^{PLUG} | | | | |
| 17S | FINIS | | | *Detail | ed Site Map of Well Location | 1 |
| 17S | FINIS | | | *Detail | ed Site Map of Well Location | |

| | STATE OF FLORII XSouthwest Northwest St. Johns River South Florida Suwannee River DEP Delegated Authority (If | PLEASE, FILL OI ("Denotes Rec | UT ALL APPLICAN uired Fields V | BLE FIELDS /here Applicable |) | | Date Stamp ceived: v 15, 2018 4:35 pr Official Use Only | |
|---|--|---|---|--|---|---|--|----|
| 1.*Permit Number 874148 | CUP/WUP | lumber | *0 | ID Number | | 62-524 Deline | ation No. | |
| 2."Number of permitted w | ells constructed, repaired, o | or abandoned | 8 *Number | of permitted wel | ls not constr | ucted, repaired. | or abandoned | 0 |
| 3.*Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/07/2 | 2018 5. | Florida Unique | ID | - |
| 6. 15960 672 HWY Well Location - Addres | ss, Road Name or Number | N/A City, ZIP | | | | | | |
| 7. *County_Hillsborough | *Secti | on 23 Land | d Grant | | | Township 31 | *Range2 | 21 |
| 8. Latitude 27 46 25.78 | L. L. | ongitude 82 11 00. | .65 | | | | | |
| | GPS X Map | | | | NAD 27 | K_NAD 83 _ | WGS 84 | |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | yF | nunity/DEP) Industrial Disposal | igation | Livestock Uursery Irri Commercia Golf Course Storage and Rec | gation Il/Industrial e Irrigation overy | HVAC S | ng pupled Geotherma upply | ŧl |
| X Other (Describe) PLUG | | | | | - | | | - |
| 13. Measured Static Wate 14. Measuring Point (Desc 15. Casing Material: 16. Total Well Depth33. 17. Abandonment: 17. Abandonment: 2 ¹ Fromft. To Fromft. To Fromft. To | AugerCable Tool Horizontal Drilling r Level10.0 ft. Me ribe) Black SteelGalva 1_ft. Cased Depth 33.1 X Other (Explain) "LPG .1_ft. No. of Bags ft. No. of Bags | asured Pumping V which nized X PVC ft. *Open Hole: I GED Seal Material (Seal Material Seal Material | Vater Level | ft. Al _Above ess Steelt ft. *Scr Neat Cem Neat Cem | ter Below Land Not Cased een: From entB entB entB | _Hours at Surface *Flov Other To entonite entonite entonite | GPM ving:Yes | 0 |
| 18."Surface Casing Diamo Diain. From Diain. From | eter and Depth: ftToftNo | of Bags | Seal Material Seal Material | (Check One): | Neat Cem | entBenton | | |
| 19. Primary Casing Diamo Diain. From Diain. From Diain. From Diain. From Diain. From | ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | . of Bags of Bags of Bags of Bags . of Bags | Seal Material Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): | Neat Cem Neat Cem Neat Cem Neat Cem Neat Cem | ent Benton ent Benton ent Benton | iteOther iteOther iteOther | |
| 20.*Liner Casing Diamete Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | | (Check One): (Check One): (Check One): | Neat Cem Neat Cem Neat Cem | entBentor | ite Other | - |
| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cen Neat Cen Neat Cen | nent Bentor | ite Other | |
| 22. Pump Type (If Known | | Turkilara | | nical Analysis (W | | and the second second second | 1.781.0 | |
| Centrifugal Horsepower | _JetSubmersible Pump Capacity (GPM) Intake Depth ft. | Turbine | Iron | ppm S | Sulfate | ppm Ch Field Test Kit | loridep | pm |
| Pump Depthft. 24. Water Well Contractor | | | | | | | | |
| Pump Depthft. | n | "License Numbe | 9520 | E-mail A | ddress <u>jere</u> m | ny@ambienttecl | n.com | _ |

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT 152 WATER MANAGEMENT DR., HAVANA, FL 32333-4712 (U.S. Highway 90, 10 miles west of Tallahassee) PHONE: (850) 539-5999 WWW.NWFWMD.STATE.FL.US SOUTH FLORIDA WATER MANAGEMENT DISTRICT P.O. BOX 24680 3301 GUN CLUB ROAD WEST PALM BEACH, FL 33416-4680 PHONE: (561) 686-8800 WWW.SFWMD.GOV

SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| rom omments: 1U | ft. Finis | To h: ^{"LPG} | _ | | | Material |
| omments: | _ | | _ | | ed Site Map of Well Location | |
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| | STATE OF FLORID | PLEASE, FILL OI ("Denotes Rec | UT ALL APPLICAE quired Fields V | BLE FIELDS /here Applicable |) | | Date Star received: lov 15, 2018 4:3 Official Use | 35 pm |
|---|--|--|---|--|--|--|---|----------|
| 1.*Permit Number_87414 | CUP/WUP N | lumber | *0 | ID Number | | 62-524 Delin | eation No. | |
| 2."Number of permitted w | ells constructed, repaired, c | or abandoned | 8 *Number | of permitted we | lls not constr | ructed, repaire | d, or abandoned | <u>0</u> |
| 3.*Owner's Name | HILLSBOROUGH COUNT | | 4. Comple | etion Date 11/07/ | 2018 5 | . Florida Uniqu | ie ID | - |
| 6. 15960 672 HWY Well Location - Addre | ss, Road Name or Number, | N/A City, ZIP | | | | | | |
| 7. *County_Hillsborough | *Section | on 23 Land | d Grant | | | Township | 31*Range_ | 21 |
| 8. Latitude 27 46 31.49 | - Le | ongitude 82 10 57 | .74 | | | | | |
| | GPS X Map | | | | NAD 27 | X_NAD 83 | WGS 84 | |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | lyR | unity/DEP) Industrial Disposal | igation | Livestock Uursery Irr Commercia Golf Cours | igation al/Industrial e Irrigation covery[| HVAC | ring Coupled Geothe Supply | rmal |
| X Other (Describe) PLUC | | | | | | | | |
| 13.*Measured Static Wate 14.*Measuring Point (Desc 15.*Casing Material: 16.*Total Well Depth <u>46</u> 17.*Abandonment: ²¹ From <u>0.00</u> ft. To <u>4</u> From <u>ft.</u> To From <u>ft.</u> To From <u>ft.</u> To | Auger Cable Tool Horizontal Drilling ar Level 10.0 ft. Mer Black Steel Galva Black Steel Galva Gft. Cased Depth 46.6 X Other (Explain) "LPGG 66.0ft. No. of Bags 3.00 ft. No. of Bags 3.00 | asured Pumping V Which nized X PVC ft. *Open Hole: I GED Seal Material (Seal Material Seal Material Seal Material | Vater Level | ft. A Above ess Steel ft. "Sc Neat Cem Neat Cem | fter Below Land Not Cased reen: From ent Bent Bent Bent | Hours at I Surface *Flo Other To BentoniteX Sentonite Sentonite Sentonite | GPM owing:Yes ft. Slot Size Other XluSs G Other Other Other | N |
| 18. Surface Casing Diam Diain. From_ Diain. From_ | eter and Depth: ftToftNo. | of Bags | Seal Material Seal Material | (Check One): | Neat Cem Neat Cem | nentBento | oniteOther | |
| 19. Primary Casing Diam Diain. From Diain. From Diain. From Diain. From Diain. From | eter and Depth: ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | of Bags of Bags of Bags of Bags of Bags | Seal Material Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): (Check One): | Neat Cen Neat Cen Neat Cen Neat Cen Neat Cen | nentBento nentBento nentBento nentBento | oniteOther_ oniteOther_ oniteOther_ oniteOther_ | |
| 20.*Liner Casing Diamete Diain. From_ Diain. From_ Diain. From_ | ft. Toft. No ft. Toft. No | of Bags of Bags of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cen Neat Cen Neat Cen | nentBento | onite Other | _ |
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| 22. Pump Type (If Known | | 2 80. | 23. Cher | nical Analysis (V | Vhen Requir | ed): | | |
| Centrifugal | _JetSubmersible Pump Capacity (GPM) | Turbine | Iron | ppm S | Sulfate | ppm C _Field Test Kit | Chloride | ppm |
| Horsepowerft. Pump Depthft. 24. Water Well Contracto | Intake Depthft. r: | | | / · | | | | |
| Pump Depthft. | r; | "License Number | 9520 | | ddress jeren | ny@ambientte | ch.com | |

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 2379 BROAD STREET, BROOKSVILLE, FL 34604-6899

PHONE: (352) 796-7211 or (800) 423-1476 WWW.SWFWMD.STATE.FL.US

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SUWANNEE RIVER WATER MANAGEMENT DISTRICT 9225 CR 49 LIVE OAK, FL 32060

PHONE: (386) 362-1001 or (800) 226-1066 (Florida only) WWW.MYSUWANNEERIVER.COM

| rom rom rom rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| THE STATES | STATE OF FLOR Southwest St. Johns River South Florida Suwannee River DEP Delegated Authority | PLEASE, FILL OU (*Denotes Rec | UT ALL APPLICABI quired Fields WI | LE FIELDS | | | Date Stamp red: 5, 2018 4:35 pm Official Use Only |
|---|--|---|---|--|---|--|--|
| *Permit Number 87414 | 8 *CUP/WU | P Number | *DI | D Number | | 62-524 Delineatio | n No. |
| | vells constructed, repaired | | | | | | |
| | HILLSBOROUGH COU | | | | | | |
| 15960 672 HWY | | N/A | | | | ionos enideo ie . | |
| | ess, Road Name or Numb | | | | | | |
| County Hillsborough | *Se | ction 23 Land | d Grant | | | ownship <u>31</u> | *Range 21 |
| Latitude 27 46 34.40 | | Longitude 82 10 52 | 91 | | | | |
| | GPS <u>X</u> Map | | | | NAD 27 X | NAD 83 | WGS 84 |
| 0. 'Type of Work: | ConstructionRepa | | | ment | | | |
| Class I Injection | y (Limited Use/DOH) y (Community or Non-Cor Recharge Commerci | ial/Industrial Disposal | rigation - - - IAquifer Si | Livestock Unsery Irrie Commercia Golf Course torage and Rec | gation I/Industrial e Irrigation overyDra | | ed Geothermal ly |
| | overyAir Sparge | Olher (Describe) | | | | | |
| X_Other (Describe) PLU | | Deter | C | (T | Rd-dl - d-X | 1-41-1 | 0 auto |
| 2.*Drill Method: | AugerCable Too Horizontal Drilling | Rotary Hydraulic Poir | Combination t (Direct Push) | X Other | PLUGGED BY | APPROVED MET | Sonic HOD |
| 3.*Measured Static Wate | er Level 10.0 ft. N | Veasured Pumping W | Vater Level | ft. Af | ter | Hours at | GPM |
| Measuring Point (Deservice) Cosing Material: | cribe)Ga | Which | 1isft Stainle | AboveI | Below Land S | urface * Flowing | :YesI |
| | 2.7 ft. Cased Depth 42 | | | | | | |
| 2"From 0.00 ft. To 4 From ft. To Fo Fo From ft. To Fo From ft. To Fro From ft. To Fro From ft. To Fro From ft. To Fro | X Other (Explain) PLC 12.70 ft. No. of Bags 2 11. No. of Bags 3 11. No. of Bags 3 | 2.00 Seal Material (Seal Material (Seal Material (Seal Material (| (Check One): (Check One): (Check One): | Neat Cem Neat Cem Neat Cem | entBe entBe entBe | ntoniteOth ntoniteOth ntoniteOth | er Slurry Grout |
| 3.*Surface Casing Diam Diain. From_ Diain. From_ | ft. Toft. I | No. of Bags No. of Bags | Seal Material (| Check One): | Neat Ceme | ntBentonite | Other |
| | ft. Toft. I | | Seal Material (| | _Neat Ceme | ntBentonite_ | Other |
| 0.*Primary Casing Diam Diain. From Diain. From Diain. From Diain. From Diain. From | teter and Depth: ft. Toft. I ft. Toft. I ft. Toft. I ft. Toft. I | No. of Bags No. of Bags No. of Bags No. of Bags No. of Bags | Seal Material (Seal Material (Seal Material (Seal Material (Seal Material (Seal Material (| Check One): Check One): Check One): Check One): Check One): | _Neat Ceme Neat Ceme Neat Ceme Neat Ceme Neat Ceme Neat Ceme | ntBentonite_ ntBentonite_ ntBentonite_ ntBentonite_ | |
| Diain. From Diain. From_ Diain. From_ Diain. From_ Diain. From_ | teter and Depth: ft. Toft. er and Depth; ft. ft. Toft. ft. Toft. | No. of Bags No. of Bags No. of Bags No. of Bags | Seal Material (Seal Material (Seal Material (Seal Material (| Check One): Check One): Check One): Check One): Check One): Check One): Check One): Check One): Check One): | _Neal Ceme _Neal Ceme _Neal Ceme _Neal Ceme _Neal Ceme | ntBentonite_ ntBentonite_ ntBentonite_ ntBentonite_ ntBentonite_ ntBentonite_ | Other Other Other Other Other |
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ST. JOHNS RIVER WATER MANAGEMENT DISTRICT 4049 REID STREET, PALATKA, FL 32178-1429 PHONE: (386) 329-4500 WWW.SJRWMD.COM

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| | arse) To | ft. | Color | Grain Size (F, M, C) | Material |
|------------|--|----------|-----------|---------------------------|----------|
| rom rom | ĩo | ft. | Color | Grain Size (F, M, C) | Material |
| rom | | ft. | Color | Grain Size (F, M, C) | Material |
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| rom | | ſL. | Color | Grain Size (F, M, C) | Material |
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| rom | | ft. | Color | Grain Size (F, M, C) | Material |
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| rom | | ft. | Color | Grain Size (F, M, C) | Material |
| rom | | ft. | Color | Grain Size (F, M, C) | Material |
| | | | *Detailed | Site Map of Well Location | 1 |
| | | | | | |

| STATE OF FLORIDA WELL COMPLETION REPORT | Date Stamp |
|--|--|
| Southwest Northwest South River South Florida Suwannee River DEP Delegated Authority (If Applicable) | Official Use Only |
| 1.*Permit Number 874018 *CUP/WUP Number *DID Number 62-524 De | lineation No |
| 2.*Number of permitted wells constructed, repaired, or abandoned <u>1</u> *Number of permitted wells not constructed, repaired, or abandoned <u>1</u> | |
| | |
| 3.*Owner's Name HILLSBOROUGH COUNT 4.*Completion Date1/07/2018 5. Florida Unio | que ID |
| 6 | |
| 7.*County Hillsborough *Section 23 Land Grant *Township | 31 *Range 21 |
| 8. Latitude 27 46 24.57 Longitude 82 10 51.51 | |
| 9. Data Obtained From: GPS Map Survey Datum: NAD 27 NA | D 83 WGS 84 |
| □ Domestic □ Landscape Irrigation □ Agricultural Irrigation ✓ M □ Bottled Water Supply □ Recreation Area Irrigation □ Livestock □ T □ Public Water Supply (Limited Use/DOH) □ Nursery Irrigation □ E □ Public Water Supply (Community or Non-Community/DEP) □ Commercial/Industrial □ H □ Class I Injection □ Recharge □ Commercial/Industrial Disposal □ Aquifer Storage and Recovery □ Drainage Remediation: □ Recovery □ Other (Describe) | ite Investigations Ionitoring est arth-Coupled Geothermal IVAC Supply IVAC Return |
| | |
| 12. *Drill Method Auger Cable Tool Rotary Combination (Two or More Methods) Jetted S Horizontal Drilling Hydraulic Point (Direct Push) ✔ Other PLUGGED BY APPROVED METHOD | Sonic |
| 13.*Measured Static Water Level ft. Measured Pumping Water Level ft. After Hours at 14.*Measuring Point (Describe) Which is ft Above Below Land Surface 15.*Casing Material: Black Steel Galvanized V PVC Stainless Steel Not Cased Other | *Flowing: Yes No |
| 16. *Total Well Depth <u>17.1</u> ft. Cased Depth <u>17.1</u> ft. *Open Hole: From To ft. *Screen: From To | |
| Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be 19. *Primary Casing Diameter and Depth: Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be 20.*Liner Casing Diameter and Depth: Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be Dia in. From ft. To ft. No. of Bags Seal Material (Check One): Neat Cement Be Dia in. From ft. To ft. No. of Bags | |
| *Contractor Name Theotis Grider *License Number 9520 E-mail Address jeremy@ambientt | ech.com |
| *Contractor's Signature* Driller's Name (Print or Type) Theotis Grider (I certify that the information provided in this report is accurate and true.) | |

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| | JTTINGS LC | | | ttings every 20 f | t. or at formation changes. | Note cavities ar | nd depth to producing zone. Grain Size: F=Fine, |
|------|-----------------|-----|-----|-------------------|-----------------------------|------------------|---|
| | m, and C= | | | | | | |
| | | | | Color | | (F, M, C) | |
| | ft. | | | Color | | (F, M, C) | Material |
| | | | | Color | | (F, M, C) | Material |
| From | ft. | To_ | | Color | | (F, M, C) | Material |
| | ft. | | ft. | Color | Grain Size | (F, M, C) | Material |
| From | ft. | To_ | ft. | Color | Grain Size | (F, M, C) | Material |
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| | s: Finish: PL | | | | | | |
| TH74 | ••• <u>•</u> •• | | | | | | |
| 1074 | | | | | | | |
| | | | | | | | |

*Detailed Site Map of Well Location



| | STATE OF FLORI Northwest St. Johns River South Florida Suwannee River DEP Delegated Authority (It | PLEASE, FILL OU ("Denotes Rec | UT ALL APPLICAN quired Fields V | BLE FIELDS /here Applicable) | | | Date Stamp ed: 2018 12:03 pm Official Use Only |
|---|---|---|--|--|---|---|---|
| 1.*Permit Number 87414 | CUP/WUP | Number | *0 | ID Number | 6 | 2-524 Delineation | No |
| 2."Number of permitted w | ells constructed, repaired, | or abandoned | 8 *Number | of permitted well | s not construct | ed, repaired, or a | bandoned 0 |
| 3.*Owner's Name | HILLSBOROUGH COUN | г | 4. Compl | etion Date 11/07/2 | 018 5. Fl | orida Unique ID _ | |
| 6. 15960 672 HWY Well Location - Addre | ss, Road Name or Number | N/A r, City, ZIP | | | | | |
| 7. *County_Hillsborough | *Sect | ion 23 Land | d Grant | | * To | wnship <u>31</u> | *Range 21 |
| 8. Latitude 27 46 26.85 | | ongitude 82 10 54 | .93 | | | | |
| | GPSMap | | | | AD 27 X | NAD 83 | WGS 84 |
| Public Water Supply Public Water Supply Class I Injection Class V Injection:R | ly | munity/DEP) //Industrial Disposal | igation | Livestock Uursery Irrig Commercia Golf Course | gation l/Industrial e Irrigation overyDrai | HVAC Return | d Geothermal |
| X Other (Describe) PLUC | | | | | | | |
| 13.*Measured Static Wate 14.*Measuring Point (Desc 15.*Casing Material: 16.*Total Well Depth 17.*Abandonment: 2"Fromft. To Fromft. To Fromft. To Fromft. To | Auger Cable Tool Horizontal Drilling | easured Pumping V Whicl anized X PVC off. *Open Hole: GGED 00 Seal Material Seal Material Seal Material Seal Material | Vater Level | ft. Afi Above f ess SteelN bft. *Scr Neat Ceme Neat Ceme Neat Ceme | terH Below Land Su lot Cased een: From ent Bent ent Bent ent Bent | lours at rface *Flowing: Toft. Toft. toniteOther to | GPM YesN Slot Size er Slurry Bentonite |
| 18. Surface Casing Diam Diain. From_ Diain. From_ | eter and Depth: ftToftNo | o. of Bags b. of Bags | Seal Material | (Check One): (Check One): | Neat Cement Neat Cement | Bentonite | Other |
| 19. "Primary Casing Diam Diain. From Diain. From Diain. From Diain. From | eter and Depth: ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No ft. Toft. No | D. of Bags D. of Bags D. of Bags D. of Bags D. of Bags | Seal Material Seal Material Seal Material Seal Material | (Check One): (Check One): (Check One): | _Neat Cement Neat Cement Neat Cement Neat Cement Neat Cement | t Bentonite Bentonite t Bentonite | Other Other Other Other Other Other |
| 20.*Liner Casing Diamete Diain. From_ Diain. From_ Diain. From_ | ft. Toft. No ft. Toft. No | o. of Bags o. of Bags o. of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cemen Neat Cemen Neat Cemen | tBentonite | Other Other Other |
| 21.*Telescope Casing Dia Diain.From_ Diain.From_ Diain.From_ | ft. Toft. N ft. Toft. N | o. of Bags o. of Bags o. of Bags | Seal Material | (Check One): (Check One): (Check One): | Neat Cemen Neat Cemen Neat Cemen | t Bentonite | Other Other Other |
| 22. Pump Type (If Known | | Turbine | | mical Analysis (W | | | |
| | | | Iron | - Character and | ulfate | _ppm Chlorid | eppm |
| Long Type (in Known L | Pump Capacity (GPM) Intake Depthft. r: | | | Laboratory Test | Fie | eld Test Kit | |
| Centrifugal Horsepower Pump Depthft. | Intake Depthft. r: | "License Numbe | 9520 | | | and lest Kit | n |

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| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
|-----------------|------------|---------|------------|----------------|--|-------------------|
| rom | ft. | To | ft. | Color | Grain Size (F, M, C) | Material |
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| om | | | | Color | Grain Size (F, M, C) | Material Material |
| mom | ft. | To | ft_ | Color | Grain Size (F, M, C) | Material Material |
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| omments: H75 | Finisl | h: PLUG | GED | *Detail | ed Site Map of Well Location | |
| | Finisl | h: PLUG | GED | *Detail | ed Site Map of Well Location | |
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| | Finis | h: PLUG | GED | *Detail | ed Site Map of Well Location | |

APPENDIX C

PHOTOGRAPHS



Date: 11/7/18 Description: P-5D aluminum riser housing



Date: 11/7/18 Description: Preparing grout mixture



Date: 11/7/18 Description: P-5D grouted



Date: 11/7/18 Description: P-6DA aluminum riser housing



Date: 11/7/18 Description: Inserting tremmie tube into P-6DA



Date: 11/7/18 Description: Preparing P-17I for grouting



Date:11/7/18 Description: P-17I grouted



Date: 11/7/18 Description: P-17S prior to grouting



Date: 11/7/18 Description: P-17D prior to grouting



Date: 11/7/18 Description: Grouting P-16S



Date: 11/7/18 Description: Grouting TH-75



Date: 11/8/18 Description: Grouting P-15S



Date: 11/8/2018 Description: Inserting tremmie tube into P-12S



Date: 11/8/2018 Description: Preparing P-13S for grouting



Date: 11/8/2018 Description: P-13S grouted



Date: 11/8/2018 Description: Grouting P-18S