

**Morris, John R.**

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**From:** Adams, David <AdamsDS@HillsboroughCounty.ORG>  
**Sent:** Tuesday, December 13, 2016 9:24 AM  
**To:** Morris, John R.  
**Cc:** Greenwell, Jeffry; Ruiz, Larry  
**Subject:** Abandonment records for TH-69, TH-70 and TH-71 at Southeast Landfill  
**Attachments:** SELF Well Abandonment Report-June 2010.pdf

John,

Attached please find the requested report of well abandonment for TH-69, TH-70 and TH-71. You are correct that these wells were abandoned after the replacement wells TH-69A, TH-70A, and TH-71A had been sampled for several quarters and it was determined that the new wells were properly constructed and screened into the water table. Should you have any questions, please feel free to call me.

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**From:** Townsel, Michael  
**Sent:** Tuesday, December 13, 2016 8:50 AM  
**To:** Adams, David <AdamsDS@HillsboroughCounty.ORG>  
**Subject:** FW: SE Landfill TH-79 survey data.

Dave,

Here is the abandonment report John is looking for.

**Michael D. Townsel**  
**Senior Hydrogeologist**  
Public Utilities Department – Environmental Services

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P: (813) 663-3222  
E: [townselm@HillsboroughCounty.org](mailto:townselm@HillsboroughCounty.org)  
W: [HillsboroughCounty.org](http://HillsboroughCounty.org)

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**Hillsborough County**  
332 N. Falkenburg Road, Tampa, FL 33619

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**From:** Morris, John R. [<mailto:John.R.Morris@dep.state.fl.us>]  
**Sent:** Monday, December 12, 2016 8:44 AM  
**To:** Adams, David <[AdamsDS@HillsboroughCounty.ORG](mailto:AdamsDS@HillsboroughCounty.ORG)>  
**Cc:** Townsel, Michael <[TownselM@HillsboroughCounty.ORG](mailto:TownselM@HillsboroughCounty.ORG)>  
**Subject:** RE: SE Landfill TH-79 survey data.

Dave:

Good morning. Thanks for providing the survey data from Peavey for new well TH-79. I'll update the WACS record to reflect the revised lat/long coordinates. Can you let me know if the top of well elevation is referenced to NGVD or NAVD?

When I pulled up the ArcMap file for SE landfill to check the new lat/long coordinates for TH-79 this morning, I noticed that each of the well pairs on the west side of Section 9 are indicated to be "active." Weren't TH-69, TH-70 and TH-71 abandoned once it was demonstrated that the "A-series" replacement wells were adequately constructed? I found a report from SCS Engineers dated 8/8/2008 that provided construction details for the replacement wells, but the report did not include abandonment records for the original wells. Here's the OCULUS link:

[https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.239571.1\]&\[profile=Discovery\\_Compliance\]](https://depedms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.239571.1]&[profile=Discovery_Compliance])

If the original wells were abandoned, can you find the date the abandonment was completed – I need to include the date of abandonment when I change the "status" field from active to abandoned. I'd like to make both sets changes to WACS at the same time.

Sorry about all the questions.

Thanks.

John



**John R. Morris, P.G.**

Permitting and Waste Cleanup Program  
Florida Department of Environmental Protection, Southwest District  
13051 N Telecom Parkway, Temple Terrace, FL 33637  
Main office: 813-470-5700 Direct line: 813-470-5751  
E-mail: [john.r.morris@dep.state.fl.us](mailto:john.r.morris@dep.state.fl.us)

**Permitting Consistency Initiative:** The Florida Department of Environmental Protection is committed to providing efficient, consistent and quality service to the citizens of Florida. In keeping with these objectives, we are pleased to announce ongoing improvements to our permitting process by standardizing and simplifying our documents. During the fall of this year, the Department will begin issuing permitting correspondence formatted consistently throughout all programs. Although the document formatting will look different from past correspondence, please be assured that the content continues to be driven by applicable Rule and Statute. As always, if you have any questions, please contact your local DEP District office.

**From:** Adams, David [<mailto:AdamsDS@HillsboroughCounty.ORG>]

**Sent:** Monday, December 12, 2016 7:34 AM

**To:** Morris, John R. <[John.R.Morris@dep.state.fl.us](mailto:John.R.Morris@dep.state.fl.us)>

**Cc:** Townsel, Michael <[TownselM@HillsboroughCounty.ORG](mailto:TownselM@HillsboroughCounty.ORG)>

**Subject:** FW: SE Landfill TH-79 survey data.

John,  
Below is the survey data for TH-79. Looks like we were very close to the actual location.

**David S. Adams, P.G.**

**Environmental Manager**

Public Utilities Department – Environmental Services

**P:** (813) 663-3221

**E:** [adamsds@hillsboroughcounty.org](mailto:adamsds@hillsboroughcounty.org)

**W:** [HillsboroughCounty.org](http://HillsboroughCounty.org)

**Hillsborough County**

332 N. Falkenburg Road, Tampa, FL 33619

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**From:** Urena, Laurel [<mailto:LUrena@scsengineers.com>]  
**Sent:** Saturday, December 10, 2016 12:54 PM  
**To:** Adams, David <[AdamsDS@HillsboroughCounty.ORG](mailto:AdamsDS@HillsboroughCounty.ORG)>  
**Cc:** Ruiz, Larry <[RuizLE@HillsboroughCounty.ORG](mailto:RuizLE@HillsboroughCounty.ORG)>; Clark, Bruce <[BClark@SCSEngineers.com](mailto:BClark@SCSEngineers.com)>; Curtis, Bob <[BCurtis@scsengineers.com](mailto:BCurtis@scsengineers.com)>  
**Subject:** FW: se landfill th79

Hi Dave,  
Below is a text version of the Friday TH-79 survey information needed for WACS system entry.

Have a great weekend!

Laurel

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Laurel Ureña, E.I.T.  
Project Professional  
813-621-0080  
**SCS Engineers**

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**From:** Peavey [<mailto:debpeavey@peaveysurveying.com>]  
**Sent:** Saturday, December 10, 2016 3:49 AM  
**To:** Urena, Laurel <[LUrena@scsengineers.com](mailto:LUrena@scsengineers.com)>; Weglarz, Buckley <[BWeglarz@scsengineers.com](mailto:BWeglarz@scsengineers.com)>  
**Subject:** se landfill th79

Th79  
Casing elevation 129.60  
GRID N:1249782.66  
GRID E:598713.15  
LATITUDE: 27°46'18.479"  
LONGITUDE: 082°10'39.621"





**Environmental Consulting & Technology, Inc.**

July 12, 2010

Mr. Michael Townsel  
**Hillsborough County Public Utilities Department**  
**Solid Waste Management Division**  
P.O. Box 1110  
Tampa, FL 33601

**Re: Well Abandonment and  
Installation of Staff Gauge Report  
Southeast County Landfill  
15960 CR 672  
Lithia, Florida**

Dear Mr. Townsel:

Environmental Consulting & Technology, Inc. (ECT) is submitting this Monitoring Well Abandonment and Staff Gauge Installation Report detailing the activities conducted at the above-referenced facility.

### **Scope of Work**

The scope of work was conducted under the Hillsborough County Solid Waste Management Division (SWMD). ECT was contracted to abandon four monitoring wells and to install one Stevens style surface water staff gauge.

Attachment 1 is a site map illustrating the site layout and location of the wells and staff gauge.

### **Well Abandonment**

On June 25, 2010, ECT personnel met Preferred Drilling Solutions, Inc. (Preferred) at the site to abandon monitoring wells TH-56A, TH-69, TH-70 and TH-71. All four monitoring wells were originally installed with the riser extending approximately 3 feet above grade and enclosed in a locking steel protective cover.

Monitoring wells TH-69, TH-70 and TH-71 were abandoned by filling the Schedule 40 PVC casings with neat cement grout to the top of the casing. Monitoring well TH-56A had a bladder pump stuck in the upper 3 feet of the casing and in an attempt to remove the pump the casing broke off at approximately 6 inches below land surface (bls). The

1408 North Westshore  
Blvd., Suite 115  
Tampa, FL  
33607

(813)  
289-9338

FAX (813)  
289-9388

Projects/Interstate Brands/MW aband rpt.docx

*An Equal Opportunity/Affirmative Action Employer*



Mr. Michael Townsel  
July 12, 2010  
Page 2 of 2

protective steel cover was removed and remaining PVC casing was filled with neat cement grout to approximately 2 inches bls.

The wells were abandoned in accordance with current Southwest Florida Water management District regulations. The permits to abandon the wells and the well completion reports are included in as Attachment 2.

### **Staff Gauge Installation**

On June 25, 2010, ECT personnel removed staff gauge 3B2B located in Long Flat Creek. ECT replaced the staff gauge at the same location with a new staff gauge. The staff gauge designation remains 3B2B. Photographs are provided as Attachment 3.

Should you have any questions regarding this report, please call me at (813) 289-9338.

Sincerely,  
**ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.**



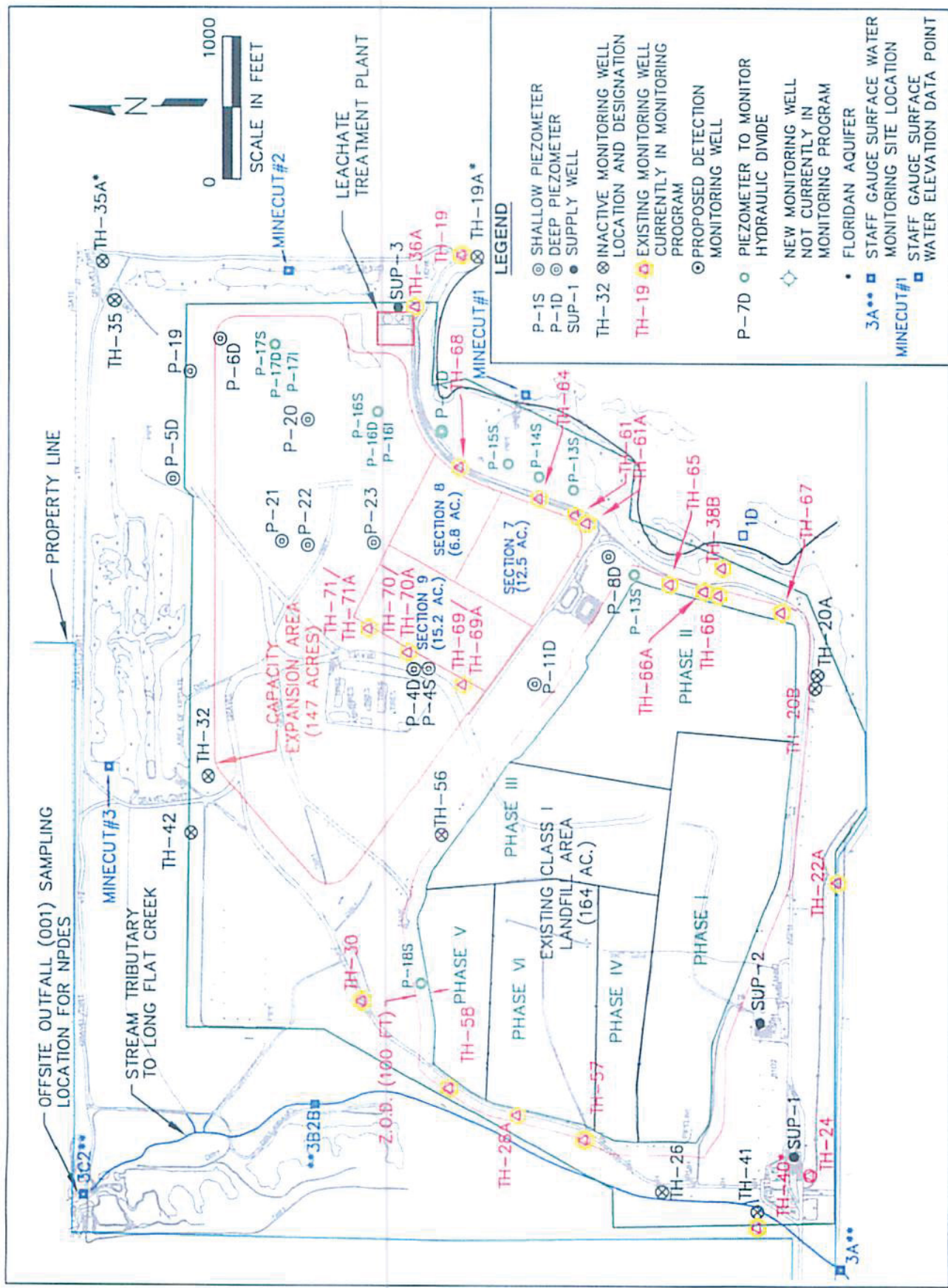
Barbara B. Munkel  
Project Manager

Enc.

**ATTACHMENT 1**

**SITE MAP**





**ATTACHMENT 2**

**MONITORING WELL ABANDONMENT PERMITS AND**

**WELL COMPLETION REPORTS**





STATE OF FLORIDA PERMIT APPLICATION TO CONSTRUCT,  
REPAIR, MODIFY, OR ABANDON A WELL

- ☒ Southwest  
☐ Northwest  
☐ St. Johns River  
☐ South Florida  
☐ Suwannee River

THIS FORM MUST BE FILLED OUT COMPLETELY.

The water well contractor is responsible for completing  
this form and forwarding the permit to the appropriate  
delegated county where applicable.

CHECK BOX FOR APPROPRIATE DISTRICT ADDRESS ON BACK OF PERMIT FORM

Permit No. **805575**

Florida Unique I.D.

Permit Stipulations Required (See attached)

04

62-524 Quad # **03118** Delineation #

CUP/WUP Application No.

ALSO SEE THE STATE OF FLORIDA WEBSITE

Fold at this line in order that address  
is visible through envelope window

1. <b>HILLSBOROUGH COUNTY</b>		<b>PO BOX 1110</b>		<b>TAMPA FL</b>		<b>33601-1110</b>		Telephone Number	
Owner, Legal Name of Entity if Corporation		Address		City		Zip			
2. <b>12215 STATE ROAD 674 LITHIA, N/A</b>									
Well Location Address, Road Name or number, City									
Parcel # (Pin) <b>U-14-31-21-ZZZ-000004-45990.0</b>									
3. <b>GREGORY W. CAMPBELL</b>				<b>2613</b>		<b>(727) 661-7477</b>			
Well Drilling Contractor				License No.		Telephone No.			
<b>11747 87TH STREET NORTH</b>				4. <b>1/4</b> of <b>1/4</b> of Section <b>14</b>					
Address						(Indicate Well on Chart)			
<b>LARGO</b>		<b>FL</b>		<b>33773</b>		<b>31</b>		<b>21</b>	
City		State		Zip		Township		Range	
5. Township <b>31</b> Range <b>21</b>									
6. <b>HILLSBOROUGH</b>									
County		Subdivision Name		Lot		Block		Unit	
7. Number of proposed wells <b>4</b> Check the use of well: (See back of permit for additional choices) Domestic Monitor (type)									
Irrigation (Type) Public Water Supply (type) List Other <b>PLUGGED</b>									
Distance from septic system <b>0</b> ft. Description of facility <b>LANDFILL/LAND</b> Estimated start of construction date <b>6/25/2010</b>									
8. Application for: New Construction Repair/Modify <input checked="" type="checkbox"/> Abandonment <b>NO LONGER IN USE</b>									
(Reason for Abandonment)									
9. Estimated: Well Depth <b>25</b> Casing Depth <b>20</b> Screen Interval from <b>20</b> to <b>25</b>									
Casing Material: <b>PVC</b> Casing Diameter <b>2</b> Seal Material <b>Cement</b>									
10. If applicable: Proposed From <b>0</b> to <b>25</b> Seal Material <b>Cement</b> Received: Friday, June 11, 2010									
Grouting Interval From to Seal Material									
11. Telescope Casing or Liner (check one) Diameter									
Blk-Steel / Galvanized / PVC Other (specify):									
12. Method of Construction: Rotary Cable Tool Combination									
Auger <input checked="" type="checkbox"/> Other (specify): <b>Plugged by approved method</b>									
13. Indicate total No. of wells on site <b>63</b> List number of unused wells on site <b>4</b>									
14. Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Consumptive Water Use Permit (CUP/WUP) or CUP/WUP Application? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes									
(IF YES, COMPLETE THE FOLLOWING) CUP/WUP No.									
District well I.D. No.									
Latitude <b>27° 46' 43.41"</b> Longitude <b>82° 10' 49.78"</b>									
Data obtained from GPS or map or survey (map datum NAD 27 NAD 83)									
15. I hereby certify that I will comply with the applicable rules of Title 40, Florida Administrative Code and that a water use permit or artificial recharge permit, if needed, has been or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling or the permit expiration, whichever occurs first.									
I certify that I am the owner of the property, that the information provided is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well, or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above. Owner consents to personnel of the WMD or a representative access to the well site.									
Digitally Signed		<b>2613</b>		Digitally Signed					
Signature of Contractor		License No.		Owner's or Agent's Signature		Date			

DO NOT WRITE BELOW THIS LINE - FOR OFFICIAL USE ONLY

Approval Granted By: **Automatically Issued** Issue Date: **6/11/2010** Hydrologist Approval

Initials

Owner Number: Fee Received: \$ **.00** Receipt No.: Check No.:

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OR REPRESENTATIVE OF THE WMD. IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS. This permit is valid for 90 days from the date of issue.



**WELL COMPLETION REPORT** (Please complete in black ink or type.)

PERMIT #: 805575.2 CUPNWUP#: \_\_\_\_\_ DID#: \_\_\_\_\_

Indicate the number of wells drilled/abandoned for this report: \_\_\_\_\_ 1

Indicate the number of wells permitted but not drilled/abandoned that are being cancelled: \_\_\_\_\_

WATER WELL CONTRACTOR'S

SIGNATURE \_\_\_\_\_ License # 2613

I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:	0.57	0	27
Bentonite:			
[Other]			

WELL LOCATION: County HILLSBOROUGH

1/4 of 1/4 of Section 14, Township 31, Range 21

Latitude: 27° 46' 43.41", Longitude: -82° 10' 49.78"

DATE STAMP  <b>Jul 06 2010</b>	Official Use Only
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CHEMICAL ANALYSIS WHEN REQUIRED

Iron: \_\_\_\_\_ ppm Sulfate: \_\_\_\_\_ ppm

Chlorides: \_\_\_\_\_ ppm IDS \_\_\_\_\_ mg/l

Conductivity \_\_\_\_\_ umhos/cm

[ ] Lab Test [ ] Field Test Kit

Pump Type

[ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine

Horsepower: \_\_\_\_\_ Capacity: \_\_\_\_\_ GPM: \_\_\_\_\_

Pump Depth: \_\_\_\_\_ ft. Intake Depth: \_\_\_\_\_ ft.

Form LEG-R.005.00(10/05)

OWNER'S NAME: HILLSBOROUGH COUNTY

COMPLETION DATE: 06/25/2010 Florida Unique I.D.: \_\_\_\_\_

Parcel # (Pin): U-14-31-21-ZZZ-000004-45590.0

WELL USE: \_\_\_\_\_

[ ] Public Supply [ ] Irrigation [ ] Domestic [ ] Monitor

[ ] Injection [ ] Other PLUGGED

DRILL METHOD:

[ ] Rotary [ ] Cable Tool [ ] Combination

[ ] Jet [ ] Auger [ ] Other Plugged

Measured Static Water Level: 15.00 Measured Pumping Water Level: \_\_\_\_\_  
After \_\_\_\_\_ Hours at \_\_\_\_\_ GPM. Measuring Pt. (Describe): \_\_\_\_\_  
Which is \_\_\_\_\_ ft. [ ] above [ ] below land surface  
Casing: [ ] Black Steel [ ] Galvanized [ ] PVC [ ] Other: \_\_\_\_\_

Casing Diameter and Depth (ft.)	Depth (feet)		DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones.
	From	To	

Diameter: 2  
From: 0  
To: 27  
Plugged by approved method

Diameter: \_\_\_\_\_  
From: \_\_\_\_\_  
To: \_\_\_\_\_

Liner [ ] or Casing [ ]  
Diameter: \_\_\_\_\_  
From: \_\_\_\_\_  
To: \_\_\_\_\_

TH-70

Driller's Name (print or type): Leo Cruz

**WELL COMPLETION REPORT** (Please complete in black ink or type.)

PERMIT #: 805575.3 CUPWUP#: \_\_\_\_\_ DID#: \_\_\_\_\_  
 Indicate the number of wells drilled/abandoned for this report: 1  
 Indicate the number of wells permitted but not drilled/abandoned that are being  
 cancelled: \_\_\_\_\_

WATER WELL CONTRACTOR'S  
 SIGNATURE \_\_\_\_\_ License # 2613  
 I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:	0.65	0	30
Bentonite:			
(Other)			

WELL LOCATION: County HILLSBOROUGH  
1/4 of 1/4 of Section 14, Township 31, Range 21  
 Latitude: 27° 46' 43.41", Longitude: -82° 10' 49.78"

<p>DATE STAMP</p> <p><b>Jul 06 2010</b></p> <p>Official Use Only</p>	<p>Sketch of well location on property</p> <p>Give distances from septic tank and house, or other reference points</p>
--	--

CHEMICAL ANALYSIS WHEN REQUIRED  
 Iron: \_\_\_\_\_ ppm Sulfate: \_\_\_\_\_ ppm  
 Chlorides: \_\_\_\_\_ ppm IDS \_\_\_\_\_ mg/l  
 Conductivity \_\_\_\_\_ umhos/cm  
 [ ] Lab Test [ ] Field Test Kit  
 Pump Type [ ] Centrifugal [ ] Jet [ ] Submersible [ ] Turbine  
 Horsepower: \_\_\_\_\_ Capacity: \_\_\_\_\_ GPM  
 Pump Depth: \_\_\_\_\_ ft. Intake Depth: \_\_\_\_\_ ft.  
 Form LEG-R.005.00(10/05)

OWNER'S NAME: HILLSBOROUGH COUNTY  
 COMPLETION DATE: 06/25/2010 Florida Unique I.D.: \_\_\_\_\_  
 Parcel # (Pin): U-14-31-21-7ZZ-000004-45590.0  
 WELL USE:

[ ] Public Supply [ ] Irrigation [ ] Domestic [ ] Monitor  
 [ ] Injection [X] Other **PLUGGED**

DRILL METHOD:  
 [ ] Rotary [ ] Cable Tool [ ] Combination  
 [ ] Jet [ ] Auger [X] Other **Plugged**

Measured Static Water Level: <u>15.00</u> Measured Pumping Water Level: _____ After _____ Hours at _____ GPM. Measuring Pt. (Describe) _____ Which is _____ ft. [ ] above [X] below land surface Casing [ ] Black Steel [ ] Galvanized [X] PVC [ ] Other _____	Depth (feet)	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note carries, depth to producing zones.
[ ] Open Hole [ ] Screen	From To	Color Grain Size Type of Material
Casing Diameter and Depth (ft.)		
Diameter: <u>2</u> From: <u>0</u> To: <u>30</u>		
Diameter: _____ From: _____ To: _____		
Liner [ ] or Casing [ ] Diameter: _____ From: _____ To: _____		
TH-21		

Driller's Name (print or type): Leo Cruz

## Form LEG-R.005.00(10/05)

Orderer's Name (print or type): Lee Chae

## Form LEG-R.005.00(10/05)

**WELL COMPLETION REPORT** (Please complete in black ink or type.)

PERMIT #: 805575.1 CUPMUP#: \_\_\_\_\_ DID#: \_\_\_\_\_  
Indicate the number of wells drilled/abandoned for this report: 1  
Indicate the number of wells drilled/abandoned that are being cancelled: \_\_\_\_\_

WATER WELL CONTRACTOR'S  
SIGNATURE Digitally Signed License # 2613  
I certify that the information provided in this report is accurate and true.

Grout	No. of Bags	From (ft.)	To (ft.)
Neat Cement:	0.55	0	25
Bentonite:			
(Other)			

WELL LOCATION: County HILLSBOROUGH  
1/4 of 1/4 of Section 14, Township 31, Range 21  
Latitude: 27° 46' 43.41", Longitude: -82° 10' 49.78"

DATE STAMP  
**Jul 06 2010**

Official Use Only

CHEMICAL ANALYSIS WHEN REQUIRED  
Iron: \_\_\_\_\_ ppm Sulfate: \_\_\_\_\_ ppm  
Chlorides: \_\_\_\_\_ ppm IDS \_\_\_\_\_ mg/l  
Conductivity \_\_\_\_\_ umhos/cm  
☐ Lab Test ☐ Field Test Kit

Pump Type  
☐ Centrifugal ☐ Jet ☐ Submersible ☐ Turbine  
Horsepower: \_\_\_\_\_ Capacity: \_\_\_\_\_ GPM: \_\_\_\_\_  
Pump Depth: \_\_\_\_\_ ft. Intake Depth: \_\_\_\_\_ ft.  
Form LEG-R-005.00(10/05)

Sketch of well location on property

Give distances from septic tank and house, or other reference points

OWNER'S NAME: HILLSBOROUGH COUNTY  
COMPLETION DATE: 05/25/2010 Florida Unique I.D.: \_\_\_\_\_  
Parcel # (Pin): U-14-31-21-ZZZ-000004-45590.0  
WELL USE:

☐ Public Supply ☐ Irrigation ☐ Domestic ☐ Monitor  
☐ Injection ☒ Other **PLUGGED**

**DRILL METHOD:**

☐ Rotary ☐ Cable Tool ☐ Combination  
☐ Jet ☐ Auger ☒ Other **Plugged**

Measured Static Water Level: <u>15.00</u> Measured Pumping Water Level: _____ After _____ Hours at _____ GPM Measuring Pt. (describe): _____ Which is _____ ft. <input checked="" type="checkbox"/> above <input checked="" type="checkbox"/> below land surface Casing: <input type="checkbox"/> Black Steel <input type="checkbox"/> Galvanized <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other: _____		
<input type="checkbox"/> Open Hole <input type="checkbox"/> Screen	Depth (feet) From To	DRILL CUTTINGS LOG Examine cuttings every 20 ft. or at formation changes. Note cavities, depth to producing zones. Color Grain Size Type of Material
Casing Diameter and Depth (ft.)		
Diameter: <u>2</u> From: <u>0</u> To: <u>25</u>	Plugged by approved method	
Diameter: From: To:		
Liner <input type="checkbox"/> or Casing <input type="checkbox"/> Diameter: From: To:		
TH-69		

Driller's Name (print or type): Leo Cruz



**ATTACHMENT 3**  
**PHOTOGRAPHS**





Monitoring Well TH-69



Monitoring Well TH-70



**Monitoring Well TH-71**



**Monitoring Well TH-56**





**Monitoring Well TH-56**



**Gauge 3B2B**