

AFFIDAVIT

THE STATE OF TEXAS

§

§


COUNTY OF MCLENNAN

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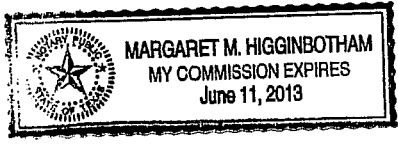
BEFORE ME, the undersigned authority, on this day personally appeared HEATH MCLAVE, who being duly sworn, upon oath deposes and says:

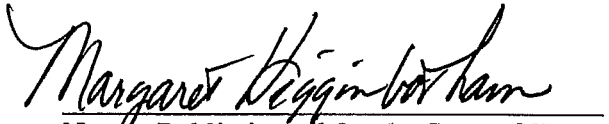
"My name is HEATH MCLAVE. I represent WACO LAKE, USACE (if applicable). I am over 18 years of age, competent to make this affidavit, and am familiar with the facts herein stated and believe them to be true.

I have substantially complied with the requirements of the Southern Trinity Groundwater Conservation District's Rules to provide notification by first class mail to landowners, well owners and well operators within one half-mile of the well or wells for which I or the entity I represent seek(s) a Historic Use Production Permit. Such notification was made not less than 10 days before the public hearing scheduled to consider the application for a Historic Use Production Permit."

  
Affiant

Sworn to and subscribed before me on this 2<sup>nd</sup> day of December 20 10.



  
Notary Public in and for the State of Texas



SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT  
COUNTY OF MCLENNAN, STATE OF TEXAS

**HISTORIC USE PRODUCTION PERMIT**

**THIS CERTIFIES THAT:** U.S. Army Corps of Engineers  
3801 Zoo Park Drive  
Waco, Texas 76708  
Phone: 254-756-3433

(the "Permittee"), has applied for an Historic Use Production Permit to withdraw and place to beneficial use groundwater from within the District, and that the Board of Directors of the Southern Trinity Groundwater Conservation District ("District") has APPROVED the application as follows:

**1 Permit Category**

This permit is a **Historic Use Production Permit**.

**2 Permit Term**

The term of this permit is **perpetual**.

**3 Groundwater Source**

The source of groundwater is the **Trinity Aquifer**.

**4 Annual Groundwater Withdrawal Amounts**

Permittee may withdraw groundwater from the Trinity Aquifer for beneficial, nonwasteful use in a manner not to exceed the following volume: **10.8531 are-feet per calendar year**. This groundwater withdrawal amount has been calculated pursuant to Section 5.211 of the District's rules. It may be subject to proportional adjustment pursuant to Chapter 5, Subchapter B of the District's rules, as may be amended.

**5 Purpose of Use**

Permittee may use Trinity Aquifer groundwater only for **municipal purposes**.

**6 Well Name(s), Location(s), and Maximum Rate of Withdrawal**

Groundwater may only be withdrawn from the aquifer from a well(s) located at each of the location(s) and with a maximum rate of withdrawal(s) (flow rate) as follows:

<u>Name</u>	<u>Location (latitude/longitude)</u>	<u>Maximum Flow Rate (gpm)</u>
Speegleville Park 3	N31D 33M 17S / W97D 14M 28S	22
Reynolds Creek North	N31D 35M 12S / W97D 16M 7S	10
Reynolds Creek South	N31D 35M 10S / W97D 15M 28S	23

**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT  
COUNTY OF MCLENNAN, STATE OF TEXAS**

**7 Measurement of Amount of Groundwater Withdrawn**

Permittee may only withdraw groundwater from a well that has an operating flow meter that meets the requirements of Chapter 8 of the District's rules.

**8 Place of Use**

Permittee may beneficially use Aquifer groundwater only within the Permittee's recreational park facilities as shown on Exhibit 1 attached and made a part of this permit. Except as provided by 5.401(b) of the District's rules, as may be amended, if the place of use is not within the District's boundaries, Permittee must obtain a groundwater exportation permit from the District prior to the withdrawal of groundwater under the permit.

**9 Well Construction, Operation, Maintenance, Closure**

The well(s) identified in this permit shall be installed, equipped, operated, maintained, plugged, capped, or closed, as may be appropriate in accordance with the District's rules and all other applicable federal, state, and local laws, including by submitting a copy of a state plugging report to the District within 60 days after capping or plugging any well.

**10 Water Conservation**

Withdrawals of groundwater are required to be efficiently withdrawn and used in compliance with the District's rules and the District's water conservation plan, as may be amended, and Permittee's plan as approved by the District, as may be applicable.

**11 Conveyance to Place of Use**

Water authorized by this permit to be produced must be conveyed to the place of use in a manner to prevent evaporation, channel loss by percolation, or waste. Water conveyed greater than a distance of one-half mile from the wellhead where produced must be conveyed through a pipeline.

**12 Meters; Alternative Measuring Method**

Permittee shall install, operate and maintain the meter or alternative measuring method on the well(s) identified in this permit in compliance with the District's rules and the manufacturer's instructions.

**13 Reports**

Permittee shall timely file all applicable reports with the District on forms prescribed by the District as required by the District's rules, as may be amended, and other applicable law.

**14 Fees**

Permittee shall timely pay and remain current on the payment of all applicable fees to the District.

**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT  
COUNTY OF MCLENNAN, STATE OF TEXAS**

**15 Interruption, Suspension, or Other Limitations Due to Drought**

Permittee shall reduce water supply and consumption during times of drought in accordance with the District's rules and the District's management plan and Permittee's plan approved by the District, as applicable.

**16 Groundwater Management Plan**

Permittee shall withdraw and use groundwater only in accordance with the District's approved groundwater management plan, as may be amended.

**17 Water Quality**

Permittee shall use diligence to protect the water quality of groundwater in the District and shall comply with the District's water quality rules and take no action that pollutes or contributes to the pollution of groundwater in the District.

**18 Transfers and Amendments**

Permittee may transfer or amend this permit only in compliance with the District's rules.

**19 Permit Review, Renewal or Extension Conditions**

Permittee is subject to any review, renewal or extension conditions stated in the permit or the District's rules.

**20 Change of Name, Address or Telephone Number**

Permittee shall provide written notice to the District of any change of ownership, name of Permittee or the authorized representative, well operator, mailing address or telephone number within 30 days of such change.

**21 Inspections by District**

Any authorized officer, employee, agent or representative of the District shall have the right at all reasonable times to enter upon lands upon which a well may be located within the boundaries of the District, including the well(s) identified in Paragraph 6 of this permit, for the purpose of inspecting or testing such wells, meters, pumps and the power units of a well or wells, collecting water samples, and making any other reasonable and necessary inspections and tests that may be required or necessary for the formulation or the enforcement of the permits, rules or orders of the District. Permittee has a duty to ensure that the well site is accessible to District representatives for inspection and to cooperate fully in any reasonable inspection of the well(s) and well site by District representatives.

**22 Additional Conditions**

This permit is issued subject to the requirements of: (1) Chapter 8821, Texas Special District Local Laws Code; (2) Chapter 36, Texas Water Code, as may be amended; and (3) the District's Rules, as may be amended.

**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT**  
**COUNTY OF MCLENNAN, STATE OF TEXAS**

**23 Enforcement**

The District retains the right to take any and all enforcement actions within its legal authority to enforce compliance with the terms and conditions of this permit.

**24 Continuing Jurisdiction of District**

This permit is issued subject to the continuing jurisdiction of and supervision by the District, and may be amended from time to time consistent with applicable law, including if the District learns that any of the information set forth in this permit is incorrect on the date issued.

**25 Permit Recordation**

Within 30 days of the date of issuance of this approved permit from the District, Permittee shall record this permit with the County Clerk of every county in which the well(s) or place of use are located and provide a copy of the recorded permit to the District.

**26 References to Law**

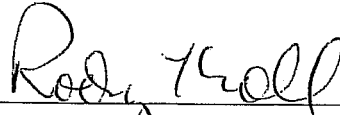
Any reference in this permit to a statute, rule, or other law of any kind, that exists on the date of issuance of the permit includes all subsequent amendments and additions thereto.

**27 Other Matters Denied**

All other matters requested in Permittee's application that are not specifically granted by this permit are denied.

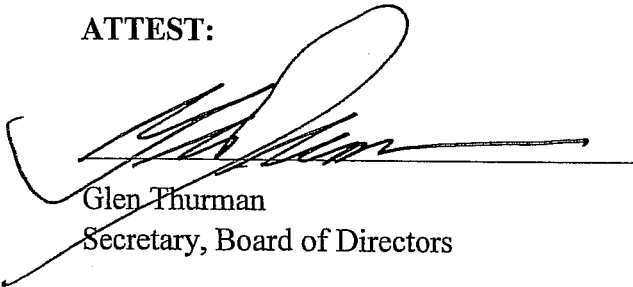
**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT  
COUNTY OF MCLENNAN, STATE OF TEXAS**

**THIS PERMIT IS ISSUED, EXECUTED THIS 23rd day of December, 2010, by the Board of Directors of the Southern Trinity Groundwater Conservation District.**



Rodney Kroll  
President, Board of Directors

**ATTEST:**

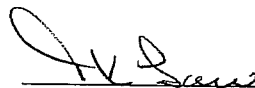
  
Glen Thurman  
Secretary, Board of Directors

**ACKNOWLEDGMENT**

STATE OF TEXAS )

COUNTY OF MCLENNAN )

**ON BEHALF OF THE DISTRICT, THIS PERMIT WAS ACKNOWLEDGED** before me on December 23, 2010, by Rodney Kroll, President, Board of Directors, Southern Trinity Groundwater Conservation District, a groundwater conservation district created pursuant to Article XVI, Section 59, Texas Constitution.



Notary Public in and for the State of Texas

**AFTER RECORDING RETURN TO:**

Tricia Law, General Manager  
Southern Trinity Groundwater Conservation District  
P. O. Box 2205  
420 North 6th Street  
Waco, Texas 76703



**FILED AND RECORDED**  
OFFICIAL PUBLIC RECORDS

*J.A. Andy Harwell*

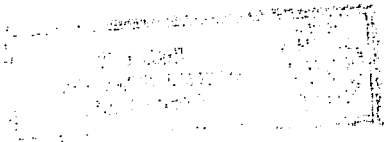
December 27, 2010 09:53:36 AM

2010039659

FEE: \$27.00

J.A. "Andy" Harwell County Clerk

McLennan County TEXAS



**Southern Trinity Groundwater Conservation District**

**P. O. Box 2205**

**Waco, Texas 76703**

**Phone 254 759-5610 Fax 254 754-9480 e-mail southerntrinitygcd@att.net**

**Notice of Administrative  
For Historic Use Production Permit (HUPP)  
General Manager's Proposed Action**

**Completeness for  
Review, Technical Summary, and  
Production Permit Application**

November 17, 2010

US Army Corps of Engineers  
3801 Zoo Park Drive  
Waco, Texas, 76708

*Heath  
McLain*

RE: Application No. HU.

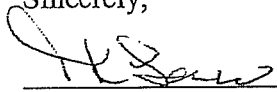
Please be advised that the District received your Historic Use Production Permit application. Under the District's general management Rules, the District's general manager's review of the application is administratively complete and will recommend the issuance of the Historic Use Production Permit for 10.8531 acre-feet. Attached to this letter is the permit, and notice of the permit hearing date.

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Also attached to this letter is a list of names, if any, of persons that may own a well or wells in the Trinity Aquifer that you listed in your HUPP application. Rule §9.219(e) requires that you provide by first class mail a copy of a notice to any owner of a well within 1/2 mile radius of the well or wells that you are applying for. The notice(s) must be mailed at least 10 days prior to your hearing date. You are also required to provide to the District, prior to your hearing date, a copy of the affidavit regarding your requirement to provide notification by first class mail to landowners, well owners and well operators within one half-mile of the well or wells owned by US Army Corps of Engineers.

If you have any questions concerning this matter, please call me at (254) 759-5610. Please keep this letter as a permanent record for your file.

Sincerely,



Tricia K. Law, General Manager  
Southern Trinity Groundwater Conservation District

- Attachments:
- 1) Technical Summary
  - 2) Affidavit
  - 3) Draft of Proposed Historic Use Production Permit
  - 4) Notice of Hearing



## **Technical Review Summary**

**Well Owner:** US Army Corps of Engineers,  
3801 Zoo Park Drive,  
Waco, Texas, 76708

### **Application Summary For HUPP-2010-048:**

Aquifer: Trinity  
Annual production of groundwater not to exceed: 10.8531 acre-feet  
Year of Maximum Historic Use: 2003  
Hearing Group: 4

### **Location of Each Point of Withdrawal:**

Latitude/Longitude (NAD83):  
N31D 33M 17S / W97D 14M 28S  
N31D 35M 12S / W97D 16M 7S  
N31D 35M 10S / W97D 15M 28S

### **Reasons and Technical Basis for Recommended Action**

The applicant submitted documentation other information that, in the opinion of the General Manager, reasonably showed evidence of Historical Use Production from the Trinity Aquifer of 10.8531 acre-feet during the calendar year of 2003.

### **Proposed Purpose of Use**

All groundwater produced under the proposed permit is restricted to Municipal Use within the Applicant's Water Service Area as defined by the Applicant's Certificate of Convenience and Necessity issued by the Texas Commission on Environmental Quality.

### **General Manager May Modify Recommendations or Request Additional Information**

The General Manager of the District may at anytime modify her recommendations to the Board of Directors regarding the proposed permit or this technical summary or request additional information from the applicant.

### **Request for Contested Case Hearing**

HUPP applicants or affected persons may file a written request for a contested case hearing on the proposed HUPPs with the District by no later than at 9:00 a.m. five days prior to the hearing date. If no timely requests for contested case hearing are filed, the applications will be presented to the District on the date of the hearing for final action.

# HISTORIC USE PRODUCTION PERMIT

**THIS CERTIFIES THAT:** US Army Corps of Engineers  
3801 Zoo Park Drive  
Waco, Texas 76708  
Phone: 254-756-3433

(the "Permittee"), has applied for an Historic Use Production Permit to withdraw and place to beneficial use groundwater from within the District, and that the Board of Directors of the Southern Trinity Groundwater Conservation District ("District") has APPROVED the application as follows:

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## Groundwater Source

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## Annual Groundwater Withdrawal Amounts

Permittee may withdraw groundwater from the Trinity Aquifer for beneficial, nonwasteful use in a manner not to exceed the following volume: **10.8531 acre-feet per calendar year**. This groundwater withdrawal amount has been calculated pursuant to Section 5.211 of the District's rules. It may be subject to proportional adjustment pursuant to Chapter 5, Subchapter B of the District's rules, as may be amended.

## Purpose of Use

Permittee may use Trinity Aquifer groundwater only for **municipal purposes**.

## Well Name(s), Location(s), and Maximum Rate of Withdrawal

Groundwater may only be withdrawn from the aquifer from a well(s) located at each of the location(s) and with a maximum rate of withdrawal(s) (flow rate) as follows:

<u>Name</u>	<u>Location (latitude/longitude)</u>	<u>Maximum Flow Rate</u>
Speegleville Park 3	N31D 33M 17S / W97D 14M 28S	22
Reynolds Creek No	N31D 35M 12S / W97D 16M 7S	10
Reynolds Creek South	N31D 35M 10S / W97D 15M 28S	23

## Measurement of Amount of Groundwater Withdrawn

Permittee may only withdraw groundwater from a well that has an operating flow meter that meets the requirements of Chapter 8 of the District's rules.

## Place of Use

Permittee may beneficially use Aquifer groundwater only within the Permittee's wholesale or retail water service area identified in the Certificate of Convenience and Necessity, filed with the Texas Commission on Environmental Quality. Except as provided by 5.401(b) of the District's rules, as may be amended, if the place of use is not within the District's boundaries, Permittee must obtain a groundwater exportation permit from the District prior to the withdrawal of groundwater under the permit.

### **Well Construction, Operation, Maintenance, Closure**

The well(s) identified in this permit shall be installed, equipped, operated, maintained, plugged, capped, or closed, as may be appropriate in accordance with the District's rules and all other applicable federal, state, and local laws, including by submitting a copy of a state plugging report to the District within 60 days after capping or plugging any well.

### **Water Conservation**

Withdrawals of groundwater are required to be efficiently withdrawn and used in compliance with the District's rules and the District's water conservation plan, as may be amended, and Permittee's plan as approved by the District, as may be applicable.

### **Conveyance to Place of Use**

Water authorized by this permit to be produced must be conveyed to the place of use in a manner to prevent evaporation, channel loss by percolation, or waste. Water conveyed greater than a distance of one-half mile from the wellhead where produced must be conveyed through a pipeline.

### **Meters; Alternative Measuring Method**

Permittee shall install, operate and maintain the meter or alternative measuring method on the well(s) identified in this permit in compliance with the District's rules and the manufacturer's instructions.

### **Reports**

Permittee shall timely file all applicable reports with the District on forms prescribed by the District as required by the District's rules, as may be amended, and other applicable law.

### **Fees**

Permittee shall timely pay and remain current on the payment of all applicable fees to the District.

### **Interruption, Suspension, or Other Limitations Due to Drought**

Permittee shall reduce water supply and consumption during times of drought in accordance with the District's rules and the District's management plan and Permittee's plan approved by the District, as applicable.

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### **Groundwater Management Plan**

Permittee shall withdraw and use groundwater only in accordance with the District's approved groundwater management plan, as may be amended.

### **Water Quality**

Permittee shall use diligence to protect the water quality of groundwater in the District and shall comply with the District's water quality rules and take no action that pollutes or contributes to the pollution of groundwater in the District.

### **Transfers and Amendments**

Permittee may transfer or amend this permit only in compliance with the District's rules.

### **Permit Review, Renewal or Extension Conditions**

Permittee is subject to any review, renewal or extension conditions stated in the permit or the District's rules.

### **Change of Name, Address or Telephone Number**

Permittee shall provide written notice to the District of any change of ownership, name of Permittee or the authorized representative, well operator, mailing address or telephone number within 30 days of such change.

### **Inspections by District**

Any authorized officer, employee, agent or representative of the District shall have the right at all reasonable times to enter upon lands upon which a well may be located within the boundaries of the District, including the well(s) identified in Paragraph 6 of this permit, for the purpose of inspecting or testing such wells, meters, pumps and the power units of a well or wells, collecting water samples, and making any other reasonable and necessary inspections and tests that may be required or necessary for the formulation or the enforcement of the permits, rules or orders of the District. Permittee has a duty to ensure that the well site is accessible to District representatives for inspection and to cooperate fully in any reasonable inspection of the well(s) and well site by District representatives.

### **Additional Conditions**

This permit is issued subject to the requirements of: (1) Chapter 8821, Texas Special District Local Laws Code; (2) Chapter 36, Texas Water Code, as may be amended; and (3) the District's Rules, as may be amended.

### **Enforcement**

The District retains the right to take any and all enforcement actions within its legal authority to enforce compliance with the terms and conditions of this permit.

### **Continuing Jurisdiction of District**

This permit is issued subject to the continuing jurisdiction of and supervision by the District, and may be amended from time to time consistent with applicable law, including if the District learns that any of the information set forth in this permit is incorrect on the date issued.

### **Permit Recordation**

Within 30 days of the date of issuance of this approved permit from the District, Permittee shall record this permit with the County Clerk of every county in which the well(s) or place of use are located and provide a copy of the recorded permit to the District.

### **References to Law**

Any reference in this permit to a statute, rule, or other law of any kind, that exists on the date of issuance of the permit includes all subsequent amendments and additions thereto.

### **Other Matters Denied**

All other matters requested in Permittee's application that are not specifically granted by this permit are denied.

**THIS PERMIT IS ISSUED, EXECUTED THIS 30th day of November 2010, by the Board of Directors of the Southern Trinity Groundwater Conservation District.**

---

Rodney Kroll,  
President, Board of Directors

**ATTEST:**

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Glen Thurman  
Secretary, Board of Directors

**ACKNOWLEDGMENT**

**STATE OF TEXAS** )  
**COUNTY OF MCLENNAN** )

**ON BEHALF OF THE DISTRICT, THIS PERMIT WAS ACKNOWLEDGED** before me on November 30, 2010, by Rodney Kroll, President, Board of Directors, Southern Trinity Groundwater Conservation District, a groundwater conservation district created pursuant to Article XVI, Section 59, Texas Constitution.

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Notary Public in and for the State of Texas

**AFTER RECORDING RETURN TO:**  
Tricia Law, General Manager  
Southern Trinity Groundwater Conservation District  
P. O. Box 2205  
420 North 6th Street  
Waco, Texas 76703

**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT**

P. O. Box 2205  
 420 North 6th Street  
 Waco, Texas 76703

Phone: (254) 759-5610 [southerntrinitygcd@att.net](mailto:southerntrinitygcd@att.net)

**APPLICATION FOR HISTORIC USE PRODUCTION PERMIT**

**Part A – General Information**

**Instructions:** Please type or print legibly. Incomplete applications will not be accepted. Application Fee Required: A non-refundable application fee of \$1,000 must accompany this application. Only checks or money orders made payable to “Southern Trinity Groundwater Conservation District” will be accepted. CASH IS NOT ACCEPTED.

1. Applicant Information			<input type="checkbox"/> Individual	<input type="checkbox"/> Partnership	<input type="checkbox"/> Corporation
			<input checked="" type="checkbox"/> Government Entity	<input type="checkbox"/> Estate/Trust/Guardianship	
Permit Applicant's Name: US Army Corps of Engineers - Waco Lake					
Physical Address: 3801 Zoo Park Dr.					
City: Waco		State: TX		Zip Code: 76708	
Mailing Address, (if different):					
City:		State:		Zip Code:	
Daytime Telephone Number:      Fax: 254-756-3433					
Email Address (if any): eric.c.haskell@usace.army.mil					
2. Name of Authorized Agent (if any):					
Position:					
Physical Address:					
City:		State:		Zip Code:	
Mailing Address (if different):					
City:		State:		Zip Code:	
Daytime Telephone Numbers of Authorized Agent:				Fax:	
Email for Authorized Agent (if any):					
Date Application Received:		Date Admin. Fee Received:		Amount of Fee: \$1,000.00	

**RECEIVED**  
 MAY 03 2010  
 BY: AKS

**RECEIVED**  
 For District Use Only  
 MAY 03 2010  
 BY: AKS



**Historic Groundwater Use and Production Information.**

3. Purpose of Historic Use: The purpose(s) for which the groundwater was used during the Historic Use Period.  Irrigation  Municipal  Industrial  
 Other (If Other, describe specifically): Visitor recreation - seasonal

4. Purpose of Future Use: Visitor Recreation

5. Is the place of use within the District boundaries:  Yes  No

6. If you answered No to Item 5, has a groundwater exportation permit been applied for or obtained from the District or is there a groundwater export agreement or contract in effect prior to January 7, 2010?  Yes  No

7. If you answered Yes to Item 6, please describe the parties to the agreement, the location outside of the District that the water is used, the amount use, and pipeline route.

8. Completely describe the place of use of groundwater withdrawn from the well:  
 3 water wells serve Twin Bridges Day Use Area, Speegleville Campground (currently 20 campsites), and Reynolds Creek Park (49 campsites). See attached maps for more info.

9. If groundwater was withdrawn from the well or placed to a beneficial use by a contract user or predecessor in interest, then provide the name, address, and telephone number of each contract user or predecessor in interest, and provide copies of the legal documents establishing the legal right of the contract user or predecessor in interest to withdraw and/or place groundwater from the well to beneficial use.

NA

10. If applicable, provide a copy of the map identifying the boundaries of the applicant's Certificate of Convenience and Necessity (CCN).

11. If applicable, describe the number of connections to be serviced by the well:  
 1550101 = 24 connections; 1550104 & 1550105 = 49 connections (shared)

12. Maximum Historic Use. State the amount of water that you claim as your Maximum Historic Use during any one year of the Historic Use Period. Maximum Historic Use means the maximum amount of groundwater that an applicant for a Historic Use Production Permit proves was produced and beneficially used without waste from the

applicant's non-exempt well during any one calendar year of the Historic Use Period.

Amount: 3536487

Units: ga

Year:2003

13. Provide your use amounts for each year groundwater was withdrawn during the Historical Use Period. If no groundwater was withdrawn for a period listed below, place a zero (0) in the appropriate space (typical units are in gallons, 100 gallons, 1000 gallons, or acre-feet).

2009 Amount: 1292530 Units: ga

2008 Amount: 790700 est Units: ga

2007 Amount: 1208690 Units: ga

2006 Amount: 1628240 Units: ga

2005 Amount: 1960880 Units: ga

2004 Amount: 3212535 Units: ga

2003 Amount: 3536487 Units: ga

2002 Amount: 1458046 Units: ga

2001 Amount: 2910736 Units: ga

2000 Amount: 2835363 Units: ga

14. Attach documents to substantiate your claim of Maximum Historic Use.

Documentation may include, but is not limited to: production logs showing amount of water pumped, copies of reports to the Texas Commission on Environmental Quality, the Texas Water Development Board, or the Texas Department of Health; reports filed with or created by the Natural Resource Conservation Service or Farm Services Agency or aerial photographs; reports filled with or created by soil and water conservation districts; fuel and electricity use records; and calculations used to estimate well discharge rates if the well discharge is not metered. The purpose of supporting documentation is to substantiate your declaration. The information you provide should be labeled, indexed and in a form that can be easily reviewed by the District.

15. Will the proposed use of water unreasonably affect existing groundwater and surface water resources or existing permit holders?  Yes  No

16. Is the proposed use of water dedicated to a beneficial use?  Yes  No

17. Is the proposed use of water consistent with the District's management plan?  Yes  No



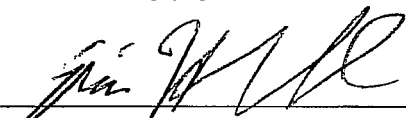
**STATEMENT OF COMPLIANCE WITH DISTRICT GROUNDWATER  
MANAGEMENT PLAN, DISTRICT RULES, AND COMMITMENT TO WATER  
CONSERVATION AND WATER QUALITY PROTECTION**

Please check all that apply:

- Applicant will comply with the District's Groundwater Management Plan.
- Applicant is in compliance with all applicable District rules in effect since December 7, 2007 and will comply with the District's rules.
- Applicant agrees to avoid waste and achieve water conservation.
- Applicant agrees to use reasonable diligence to protect groundwater quality and will follow the District's well plugging guidelines at the time of well closure.
- Applicant affirms that activities constituting the purpose of use for which the groundwater will be beneficially used will be managed to preserve, protect, prevent the pollution, degradation, or harmful alteration of, control and prevent the waste of, prevent the escape of groundwater from, and achieve the conservation of groundwater in and produced from, the aquifer.

**CERTIFICATION†**

I, the undersigned applicant, subscribe and affirm that the information provided herein is true and correct. I also understand that it shall be considered to be a fraud upon the District for any applicant to knowingly give erroneous information in this application.

Signed: 

Date: 03-May-2010

Printed Name: ERIC HASKELL

Title: Natural Resource Specialist

† If the applicant is an individual, the application shall be signed by the applicant or a duly appointed agent. An agent shall provide written evidence of his or her authority to represent the applicant. If the applicant is an individual doing business under an assumed name, the applicant shall attach to the application an assumed name certificate filed with the county clerk of the county in which the principal place of business is located or with the Texas Secretary of State.

A joint application shall be signed by each applicant or each applicant's duly authorized agent with written evidence of such agency submitted with the application. If a well or proposed well is owned by both husband and wife, each person shall sign the application. Joint applicants shall select one among them to act for and represent the others in pursuing the application with the District with written evidence of such representation to be submitted with the application.

If the application is by a partnership, the application shall be signed by one of the general partners. If the applicant is a partnership doing business under an assumed name, the applicant shall attach to the application an assumed name certificate filed with the county clerk of the county in which the principal place of business is located or with the Texas Secretary of State. The name of the partnership must be followed by the words "a partnership." If the applicant is an estate or guardianship, the application shall be signed by the duly appointed guardian or representative of the estate and a current copy of the letters testamentary issued by the court shall be attached to the application.

If the applicant is a corporation, public district, county, municipality or other corporate entity, the application shall be signed by a duly authorized official. Written evidence in the form of bylaws, charters, or resolutions specifying the authority of the official to take such action shall be submitted along with the application. A corporation may file a corporate affidavit as evidence of a corporate official's authority to sign.

If the applicant is acting as trustee for another, the applicant shall sign as trustee and in the application shall disclose the nature of the trust agreement and give the name and current address of each trust beneficiary. The application must designate the trustee's name followed by the word "trustee," and the name of the trust for which the trustee is acting.

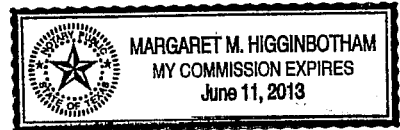
STATE OF TEXAS §  
§  
COUNTY OF §

BEFORE ME, a notary public, on this day personally appeared: ERIC HASKELL  
\_\_\_\_\_ who stated that: (1) he/she has read the  
foregoing application and any supporting attachments and that the statements contained  
therein are true and accurate; and (2) that he/she is duly authorized to sign this  
application on behalf of the permit applicant.

Subscribed and sworn to before me on this 3<sup>rd</sup> day of MAY, 2010.

Margaret Higginbotham

Notary Signature



JAMES ARVEY  
WACO LAKE OFC  
GESWF-OD-WA  
3801 ZOO PARK ROAD  
WACO TX 76708

United States Government  
For Official Use Only  
US Government Tax Exempt

1039  
17-2/910 77770

MAY 3 2010  
DATE

PAY TO THE ORDER OF Southern Training GCD \$ 1000.00  
One thousand dollars 00/100 DOLLARS

**usbank** U.S. BANK CONVENIENCE CHECK  
U.S. Bank National Association  
Minneapolis, MN 55440

NOT VALID FOR MORE THAN \$3000.00

FOR [Signature] MP  
⑆0001000022⑆47160884610545⑆1039







RECEIPT

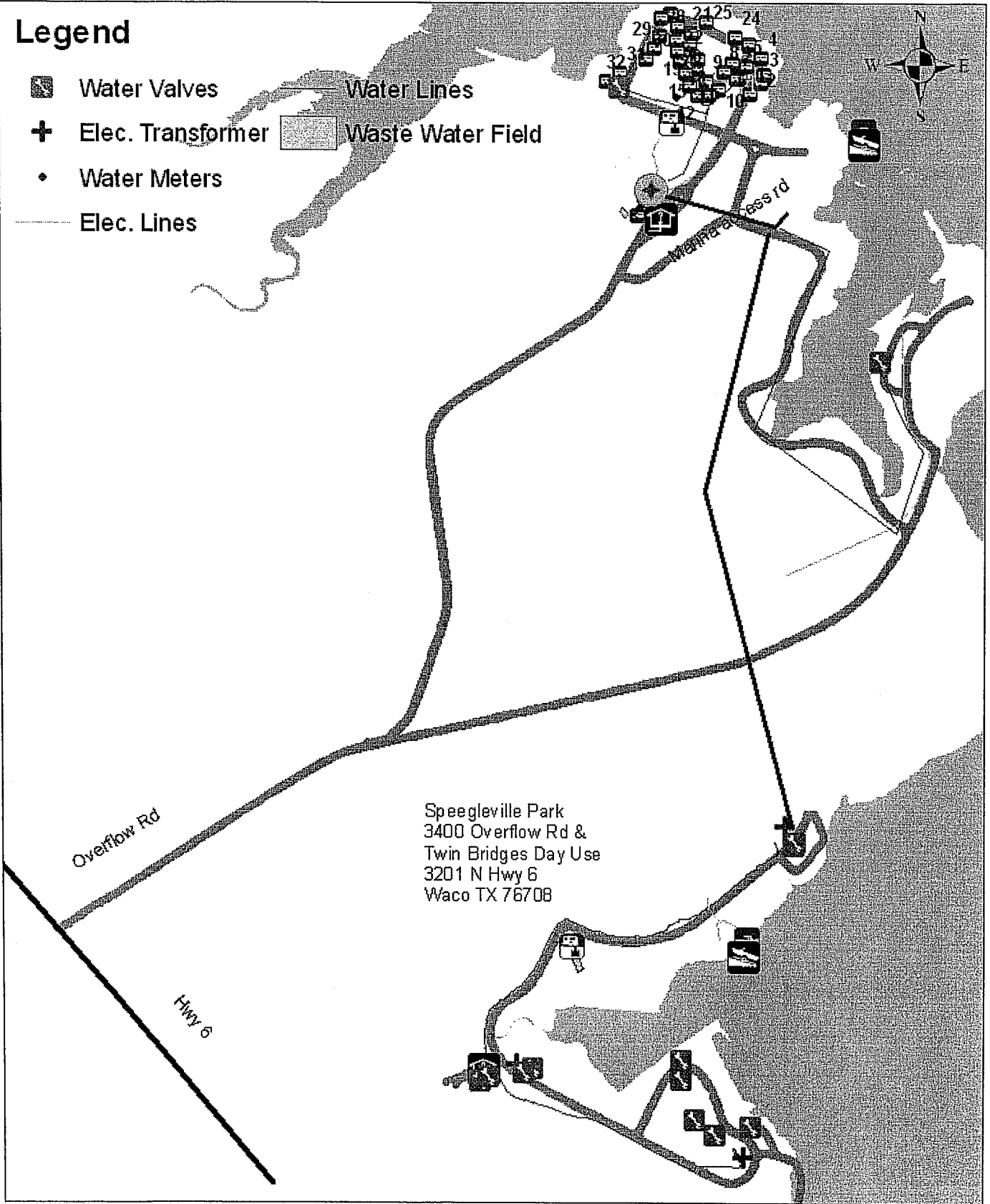
DATE	<u>5/3/10</u>	No.	<u>248741</u>
RECEIVED FROM	<u>US Army Corp of Engineers</u>		\$ <u>1000.00</u>
	<u>One thousand 00/100</u>		DOLLARS
<input type="radio"/> FOR RENT	<u>HUPP-2010-048</u>		
<input checked="" type="radio"/> FOR			
ACCOUNT		<input type="radio"/> CASH	# <u>1039</u>
PAYMENT		<input type="radio"/> MONEY ORDER	FROM <u>1039</u> TO
BAL. DUE		<input checked="" type="radio"/> CHECK	BY <u>[Signature]</u>
		<input type="radio"/> CREDIT CARD	

1182

# Speegleville Park 3 Well ID# 1550101

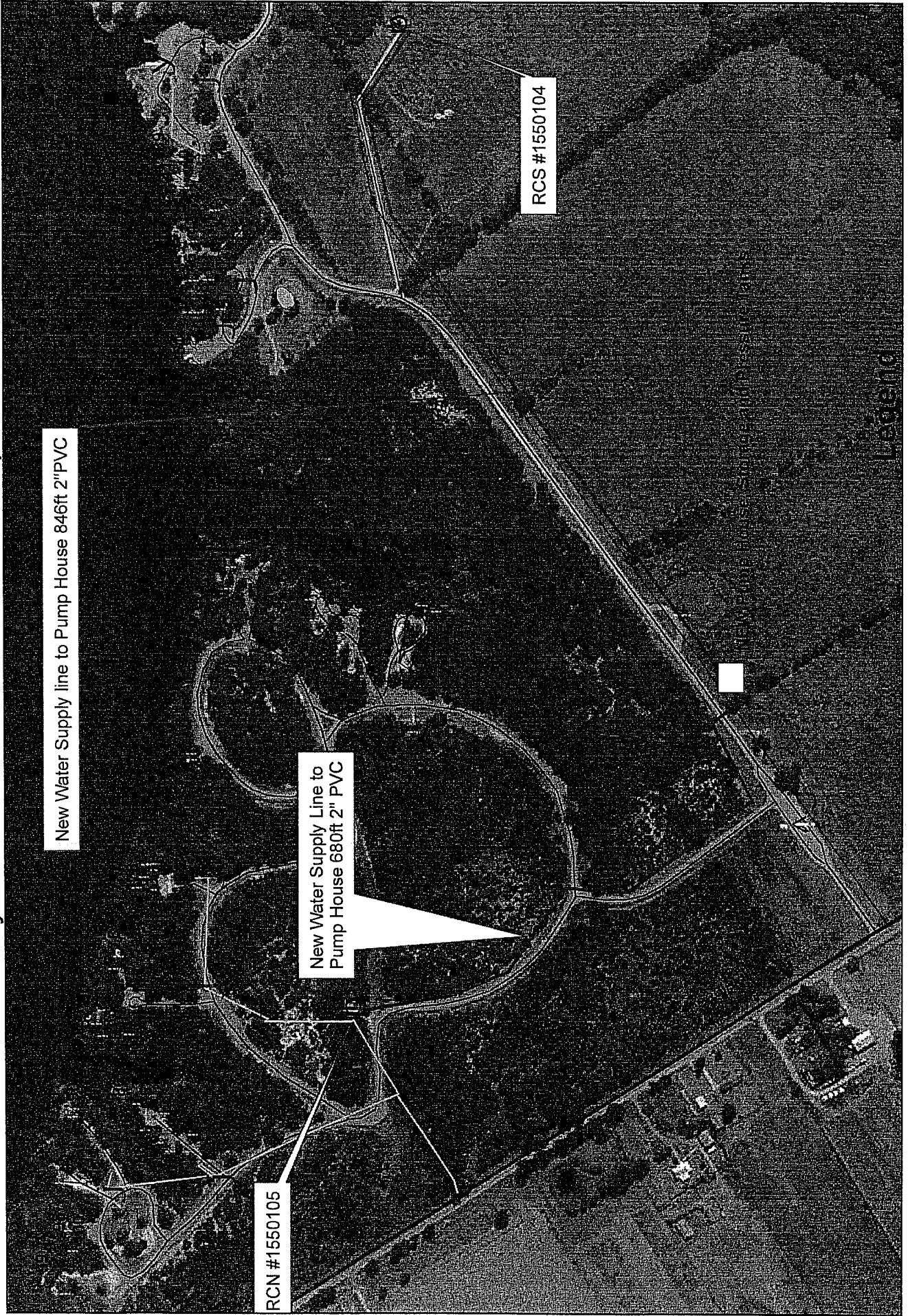
## Legend

-  Water Valves
-  Water Lines
-  Elec. Transformer
-  Waste Water Field
-  Water Meters
-  Elec. Lines



Speegleville Park  
3400 Overflow Rd &  
Twin Bridges Day Use  
3201 N Hwy 6  
Waco TX 76708

# Reynolds Creek Park Waterline Proposal 2008



## Southern Trinity GCD

---

**From:** Haskell, Eric C SWF [Eric.C.Haskell@usace.army.mil]

**Sent:** Monday, May 03, 2010 8:51 AM

**To:** southerntrinitygcd@att.net

**Cc:** Haney, Susan L SWF

**Subject:** Waco Lake well info

Trisha, <<Corps well meter readings 10-30-06.pdf>> <<Well ownership & driller log.pdf>> <<Water Cons District app.pdf>>

Here is some of the info you requested, including driller logs for our 3 active wells & proof of ownership, 1 water reading, & previous notarized application for the McLennan Co Water Conservation District. Did you receive the well maps & service connection information I sent Friday?

The final email installment should consist of annual meter readings & summary document which indicates peak usage year. A corps rep should bring the notarized application form & check by later today.

Eric Haskell  
Natural Resource Specialist  
Waco Lake, TX  
phone: 254-756-5359  
fax: 254-756-3433

### QUALITY CONTROL REPORT

SERVICE: WATER SYSTEMS CHECKS (MONITORING)

CONTRACT NUMBER: DACW63-02-D-0013 DO NUMBER: N/A  
 DATE: 10.2.06 PARK/AREA: Reynolds Creek and Phipps Building  
 TIME IN: 7:30 AM TIME OUT: 9:30 AM WEATHER: Cloudy and Warm  
 CONTRACTOR/SUB-CONTRACTOR: DFW GROUP, INC. / BIO CHEM LAB, INC.  
 CREW/PERSONNEL:  
Mike Workman - Certified Operator

QTY	ACTIVITY:	FACILITY:
1	Water Monitoring (Weekly)	Reynolds Creek - North
1	Water Monitoring (Weekly)	Reynolds Creek - South
1	Water Monitoring (Weekly)	Speegleville 3

QTY	ACTIVITY:	FACILITY:
1	Water Operations (Monthly)	Reynolds Creek - South
1	Water Operations (Monthly)	Speegleville 3 -Phipps
1	Water Operations (Monthly)	Speegleville 3 -Booster

**REMARKS:**

Operational staff made a routine visit to water system facilities at Speegleville 1 and 3 Parks. Weekly chlorine tests were taken. Likewise, operational status and the chlorine solution level was checked at the wellhouses.

Andy Janek  
 CREW LEADER

VERIFICATION: The above report is complete and correct and all materials and equipment used and work performed during the reporting period are in compliance with the contract requirements and specifications, except as noted above.

\_\_\_\_\_  
 QC INSPECTOR

LAKE: Waco Lake PARK/AREA: Speegleville 1 and 3 DATE: 10.30.06  
 WATER SYSTEMS:

1	WATER SYSTEM ID NO.	1550105	1550105	1550104	1550104
2	PARK	Reynolds North	Reynolds North	Reynolds South	Reynolds South
3	TIME WORK STARTED	7:52	7:59	8:05	8:11
4	SAMPLING STATION	Site # 83	Wellhouse	Site # 51	Wellhouse
5	TIME OF TESTS	7:57	8:03	8:09	8:16
6	CHLORINE RESIDUAL TEST RESULTS	1.05 mg/L	0.86 mg/L	0.98 mg/L	1.52 mg/L
7	BACTERIOLOGICAL SAMPLE ID NO.	---	---	---	---
8	CHLORINE SOLUTION ADDED (Strength)	---	N/A	---	None
9	CHLORINE SOLUTION ADDED (Quantity)	---	N/A	---	None
10	CHLORINATOR SETTING	---	100/100	---	80/80
11	FLOW METER READING	---	54100	---	9,631,770
12	TIME WORK COMPLETED	7:58	8:04	8:10	8:17

1	WATER SYSTEM ID NO.	1550101	1550101		
2	PARK	Speegleville 3	Speegleville 3		
3	TIME WORK STARTED	7:27	7:18		
4	SAMPLING STATION	Wellhouse	Site # GA		
5	TIME OF TESTS	7:36	7:21		
6	CHLORINE RESIDUAL TEST RESULTS	1.10 mg/L	0.34 mg/L		
7	BACTERIOLOGICAL SAMPLE ID NO.	---	---		
8	CHLORINE SOLUTION ADDED (Strength)	1:5	---		
9	CHLORINE SOLUTION ADDED (Quantity)	30 gal	---		
10	CHLORINATOR SETTING	90/70	---		
11	FLOW METER READING	5,094,960	---		
12	TIME WORK COMPLETED	7:45	7:22		



H. S. Buddy Garcia, *Chairman*  
 Larry R. Soward, *Commissioner*  
 Bryan W. Shaw, Ph.D., *Commissioner*  
 Glenn Shankle, *Executive Director*



## Texas Commission on Environmental Quality

*Protecting Texas by Reducing and Preventing Pollution*

January 21, 2008

ERIC HASKELL, PARK MANAGER (RESPONSIBLE OFFICIAL)  
 US ARMY CORPS OF ENGINEERS (LEGAL ENTITY)  
 3801 ZOO PARK RD  
 WACO, TX 76708-5559

SUBJECT: Public Drinking Water System - USCOE SPEEGLEVILLE PARK 3  
 Year 2008 Chemical Sampling Schedule and Cost ESTIMATE, and Monitoring Frequency Status Report

**(THIS IS NOT A BILL)**

Dear Water System Official:

Enclosed is a list of the drinking water chemical samples scheduled for collection from your water system during calendar year 2008.

- \* We have included two reports. The first report, titled "Monitoring Frequency Status," describes all of your system's current routine, increased, reduced or waived chemical monitoring according to the Texas Administrative Code (TAC) Chapter 30, Subchapter F. The second report, titled "Year 2007 Estimated Chemical Sampling Costs," lists the type and approximate analysis cost for each sample currently scheduled for 2007. This is only an estimate. **DO NOT SEND PAYMENT TO TCEQ.**
- \* For the "Explanation for CHEMICAL SAMPLE COST ESTIMATE AND MONITORING FREQUENCY STATUS REPORTS" please go to [www.tceq.state.tx.us/goto/pws/sampling/key](http://www.tceq.state.tx.us/goto/pws/sampling/key). The reports are not online yet.
- \* You should attach a copy of this letter and reports to your Monitoring Plan for reference.
- \* TCEQ collects these samples through a sampling contractor: Delta Environmental Consultants, Inc. (Delta) at (512) 990-7467, (800) 477-7411, or [www.delta.com](http://www.delta.com). A Delta representative will contact you some time during the year to arrange for a sampling appointment. A water system official must accompany the sampler.

State and Federal regulations require that you keep chemical analysis records for at least ten years. You must be prepared to make these records available to the general public and TCEQ upon request. If your system has a change in ownership, responsible official, address, phone number, etc., you must inform the TCEQ in writing. This information, along with entry point information for your system, can be viewed using the Integrated Water Utilities Database (IWUD) on the internet at <http://www3.tceq.state.tx.us/iwud/>. If any information in IWUD is incorrect for your system, please notify us by email at [pdws@tceq.state.tx.us](mailto:pdws@tceq.state.tx.us), or by mail at the address below.

Monitoring Plans: Every system must have a Monitoring Plan that lists sample site addresses and shows those sites on a map. Your system's operator must have the Monitoring Plan available for the Delta sample collector at each sampling event. Failure to do so is a violation. On the web, search "Monitoring Plan" from TCEQ's home page.

Chemical compliance samples except for lead and copper samples are scheduled to be collected by Delta or its subcontractor in the Austin office and shipped to the DSHS certified laboratory in Austin. The laboratory will send you the sample results and a bill for the cost of analysis. Refusing sample collection or failing to pay for analyses will result in monitoring violations and revocation of reduced monitoring waivers. If you have billing questions, please contact DSHS at (512) 458-7317 directly. All radionuclide analyses will be collected by Delta, analyzed at and billed from DSHS laboratories. Lead and copper samples will be collected in distribution by your customers and will be shipped to, analyzed at and billed from DSHS laboratories at (512) 458-7317. Monthly coliform monitoring in distribution will be collected by your customers, shipped by your staff to a certified lab of your choice.

If you have any questions about this letter or report, please call the Drinking Water Quality Team at (512) 239-4691.

Sincerely,  
 Drinking Water Quality Team  
 Public Drinking Water Section, Water Supply Division

cc: TCEQ Region 9

PDW / MC 155

P. O. Box 13087

Austin, Texas 78711-3087

Internet address: [www.tceq.state.tx.us](http://www.tceq.state.tx.us)

**THIS IS NOT A BILL. DO NOT SEND PAYMENT TO TCEQ.**



# Texas Department of Health

Robert Bernstein, M.D., F.A.C.P.  
Commissioner

1100 West 49th Street  
Austin, Texas 78756-3199  
(512) 458-7111

Robert A. MacLean, M.D.  
Deputy Commissioner  
Professional Services

May 17, 1991

Mr. Ken Howell, Project Manager  
U.S. Corps of Engineers  
Route 10, Box 173-G  
Waco, Texas 76708

Subject: Public Drinking Water Supply  
Speegleville Park I (South) - I.D. #1550104  
Speegleville Park I (North) - I.D. #1550105  
Speegleville Park III - I.D. #1550101  
McLennan County, Texas

Dear Mr. Howell:

On April 18, 1991, our representative, Keith E. Johnson, S.I.T., in company with Bobby Faucett, Assistant Reservoir Manager, conducted a sanitary survey of the subject water system. As a result of this survey, your attention is directed to the following items of noncompliance with State Statutes and this Department's regulations:

1. The chlorination facilities must be operated to maintain a minimum free chlorine residual of 0.2 mg/l in the far reaches of the distribution system at all times. There was an inadequate residual at the time of the survey at Speegleville Park III.
2. The pressure tanks must be protected by an intruder resistant fence. The fence must be at least six feet high and constructed of wood, concrete, masonry, or metal with three strands of barbed wire extending outward from the top of the fence at a 45 degree angle. In lieu of the barbed wire, the fence must be a minimum of eight feet in height. The fence must be in good repair and close enough to surface grade to prevent intruder passage.
3. The well casing air vent 16-mesh screen must be replaced at the Speegleville Park I North and South wells.
4. All pressure tanks must be provided with a pressure release device.
5. All pressure tanks must have an accurate pressure gauge.
6. You must develop a written sample siting plan for coliform monitoring to assure that bacteriological samples are collected from active service connections which are representative of water throughout the distribution system. The completed sample siting plan must be available for review by Department personnel at the time of the annual system survey.

John Hall, Chairman  
Pam Reed, Commissioner  
Peggy Garner, Commissioner



# TEXAS WATER COMMISSION

PROTECTING TEXANS' HEALTH AND SAFETY BY PREVENTING AND REDUCING POLLUTION

September 30, 1992

Mr. Bob Faucett, Acting Reservoir Manager  
U.S. Corps of Engineers  
Route 10 Box 173-G  
Waco, Texas 76708

RE: Public Drinking Water Supply  
Speegleville Park I (South) - I.D. #1550104  
Speegleville Park I (North) - I.D. #1550105  
Speegleville Park III - I.D. #1550101  
McLennan County, Texas

Dear Mr. Faucett:

On August 6, 1992, our representative, Kay R. Wilson, R.S., in company with Mr. Billy Wise, Park Ranger, conducted a sanitary survey of the subject water system. As a result of this survey, your attention is directed to the following items of noncompliance with State Statutes and this agency's regulations:

1. The chlorination facilities must be operated so as to maintain a free chlorine residual of 0.2 mg/l in the far reaches of the distribution system at all times. There was an inadequate residual on both the Speegleville Park I South and Speegleville Park III systems.
2. The abandoned water well at Speegleville Park III must be plugged and sealed properly to prevent possible contamination of the underground fresh water strata. The procedures and methods to be followed in plugging and sealing of the well are enclosed. We have also enclosed a copy of the plugging report which must be submitted when the operation has been completed.
3. All plant facilities must be protected by an intruder-resistant fence. The fence must be at least six feet high and constructed of wood, concrete, masonry, or metal with three strands of barbed wire extending outward from the top of the fence at a 45 degree angle. In lieu of the barbed wire, the fence must be eight feet in height. The fence must be in good repair and close enough to surface grade to prevent intruder passage. The Speegleville Park I North system facilities and the 2100 gallon pressure tank on the Speegleville Park III system are not fenced. The fence on the Speegleville Park I South system must be repaired.

REPLY TO: DISTRICT 3 / EXECUTIVE PLAZA / 6801 SANGER AVENUE, SUITE 2500 / WACO, TEXAS 76710-7807 / AREA CODE 817/751-0335

P.O. Box 13087 • 1700 North Congress Avenue • Austin, Texas 78711-3087 • 512/463-7830

Kay  
756-3433

U.S. ARMY CORPS OF ENGINEERS (USACE)

WATER SYSTEMS, WACO LAKE RESERVOIR

Lowell

Months Open	Area Served & T.D.H. I.D. #	Well No.	Age (Yrs.)	Well Depth (feet)	Connections Served	Pressure Tanks (Gallons)	Pump Rate (gpm)
Annual	Speegleville Park, I Areas 1-5 (1550105) - W	5	11	1140	6 drinking fountains 1 gate trailer 21 Camp Sites	1400	15
Annual	Speegleville Park, I Areas 6-8 (1550104)	4	11	1126	7 drinking fountains 51 Camp Sites	1500	16
4 - 10	Speegleville Park, II Area 9 (1550101)	3	11	1171	4 drinking fountains	120	15
4 - 10	Speegleville Park, II Areas 10-11 (1550102)	2	11	1192	6 drinking fountains	120	16
Closed	Speegleville Park, III Areas 12-16 (1550106)	6*	11	1184	No longer in use (Standby)	120	17
Annual	Speegleville Park, III Areas 12-16 (1550101)	1	11	1200	8 drinking fountains 1 sanitary floating facility	440	21

\*The water lines from well #1 and well #6 are interconnected, but well #6 is shut down because park does not need the water.

WACO LAKE

Water Wells - Speegleville Park

Copies of the following information is attached:

Well No. 1	Drillers Log	Pump Test	Chemical Analysis	Bacterial Test
Well No. 2	Drillers Log	Pump Test	Chemical Analysis	
Well No. 3	Drillers Log	Pump Test	Chemical Analysis	
Well No. 4	Drillers Log	Pump Test	Chemical Analysis	
Well No. 5	Drillers Log	Pump Test	Chemical Analysis	

Electric logs for each of the five wells are available.

# DISPOSITION FORM

For use of this form, see AR 340-15; the proponent agency is The Adjutant General's Office.

REFERENCE OR OFFICE SYMBOL SWFBO-WA	SUBJECT Well on Tract 1412, Waco Lake
--	--

TO Ch, Op Div <i>Am 16</i>	FROM Res Mgr, Waco	DATE 15 March 1972	CMT Mr. Verneti/fl/756-5359
-------------------------------	-----------------------	-----------------------	--------------------------------

1. This office has made a study of the water well facilities on Tract 1412 in Speegleville Park (old Phipps well) to determine what would be required to place this well in service. It was determined that the present system would not be feasible since the cost to get it in shape exceeds the cost of new facilities.
2. Inspection of the facilities revealed both the storage tanks are rusted out and all the controls have been damaged. The attached sketch shows the arrangement of the present system. The #1 pump is the one that furnishes water. It has a 4" discharge. Pumps #2 and #3 are booster pumps to maintain pressure on tank #2. All the valves and piping are rusted out.
3. It is recommended that this project remove all of the existing facilities. The tanks will have to be cut up or a hole busted out in the wall and winched out, and saddles for tanks and bases for #2 and #3 pumps be removed. Install a new submersible 5 HP pump with 2" discharge and two 220 gallon vertical pressure storage tanks. This well would then be tied into the existing water system for Areas 12, 13, 14, 15 and 16 in Speegleville Park.
4. The existing well that serves the Government facilities in this area has had the pump lowered twice since it was placed in service. This well would help in supplying water and reduce the drop in the water table.
5. The removal of the existing facilities can be performed by project personnel in approximately 30 days. The estimated cost of installing the new system complete with the pressure tanks is \$2100.00
6. Request your recommendations as soon as possible. This office would like to get this system in operation before the summer visitation commences.

1 Incl  
Sketch

*Bart J. Verneti*  
BART J. VERNETTI  
Reservoir Manager

Copy furnished:  
Res Engr, Brazos Basin Area Ofc

WACO LAKE  
WELL TRACT 1412.

PUMP INSTALLATION RECORD.

Purchased From Smith Pump Co. Waco Texas

Installed by Gov. Personnel Waco

Date of Installation 25 April 72

Motor Make Franklin Motor Serial No 2241022000

Pump Make Jacuzzi 3S4C 35/A Serial No 2C7042995

Motor HP 3 Volts 230 Phase single Cycles 60

Maximum Allowable current 16.4 amps

WELL: Inside diameter 8" in. Depth Est. 1200 ft.

Standing Water Level 155 ft. ft. below ground

DROP PIPE: Size 1 1/2" in. Length 215' ft.

Pressure Switch Setting: 20 cut-in 40 cut-out, lb/sq. in.

Drillers Log  
Waco Dam & Reservoir Bosque River, Texas  
Speegleville Park Well No. I  
Contract No. DA-4I-443-Civeng-66-IOI

573  
well

0 Ft.	—————	5 Ft.	Top Soil
5 "	—————	17 "	Clay
17 "	—————	24 "	Gravel
24 "	—————	90 "	Grey Shale
90 "	—————	552 "	Limestone
552 "	—————	974 "	Soft Limestone
974 "	—————	995 "	Shale
995 "	—————	1122 "	Limestone
1122 "	—————	1184 "	Trinity Water Sand

Casing Set At 1164 Ft.

Ward & Ward Drilling Co.

V. O. Ward

V. O. Ward

Partner



24 Well Test      July 2, 1966  
Waco Dam & Reservoir  
Contract No. DA-41-443-Civeng-66-101  
Spangleville Park Well No. 1

Time	Gallons Per Minute	Depth To Water	Time	Gallons Per Minute	Depth To Water
10:30 A.M.	17	100 Ft.	8:00 A.M.	17	111 FT.
12:00 Noon	17	112 "	8:30 "	17	111 "
1:00 P.M.	17	112 "	9:00 "	17	111 "
1:30 "	17	112 "	9:30 "	17	111 "
2:00 "	17	111 "	10:00 "	17	111 "
2:30 "	17	111 "	10:30 "	17	111 "
3:00 "	17	111 "	11:00 "	17	111 "
3:30 "	17	111 "	11:30 "	17	111 "
4:00 "	17	111 "			
4:30 "	17	111 "			
5:00 "	17	111 "			
5:30 "	17	111 "			
6:00 "	17	111 "			
6:30 "	17	111 "			
7:00 "	17	111 "			
7:30 "	17	111 "			
8:00 "	17	111 "			
8:30 "	17	111 "			
9:00 "	17	111 "			
9:30 "	17	111 "			
10:00 "	17	111 "			
10:30 "	17	111 "			
11:00 "	17	111 "			
11:30 "	17	111 "			
12:00 <del>Mid</del>	17	111 "			
12:30 A.M.	17	111 "			
1:00 "	17	111 "			
1:30 "	17	111 "			
2:00 "	17	111 "			
2:30 "	17	111 "			
3:00 "	17	111 "			
3:30 "	17	111 "			
4:00 "	17	111 "			
4:30 "	17	111 "			
5:00 "	17	111 "			
5:30 "	17	111 "			
6:00 "	17	111 "			
6:30 "	17	111 "			
7:00 "	17	111 "			
7:30 "	17	111 "			

Recovery	Depth To Water
11:30 A.M.	111 Ft.
11:40 "	102 "
11:50 "	101 "
12:00 Noon	101 "
12:30 P.M.	100 "
12:20 "	100 "
12:30 "	100 "

Set Pump at 131 Ft.

Ward & Ward Drilling Co.

Drillers Log  
Waco Dam & Reservoir, Bosque River, Texas

Speegleville Park Well No. 4

Contract No. DA-4I-443-Civeng-66-101

0 Ft.	3 Ft.	Top Soil
3 "	7 Ft.	Gravel
7 "	75 "	Light Rock Stone
75 "	81 "	Shale
81 "	115 "	Soft Lime Rock Stone
115 "	309 "	Light Rock Stone
309 "	358 "	Blue Shale
358 "	500 "	Lime Stone
500 "	624 "	Shale & Lime Stone
624 "	919 "	Lime Stone
919 "	1040 "	Soft Lime Stone
1040 "	1050 "	Sand
1050 "	1066 "	Shale
1066 "	1126 "	Sand

Casing Set At 1106 Ft.

Ward & Ward Drilling Co.

*V. O. Ward*

V. O. Ward

Partner

24 Hour Test July 12, 1966  
Waco Dam & Reservoir  
Contract No. DA-41-443-Civeng-66-101  
Speegleville Park well No.4

Time	Gallons Per Minute	Depth To Water	Recovery	Depth To Water
9:30 A.M.	18	104 Ft.	9:30 A.M.	250 FT.
10:00 "	17	240 "	9:40 "	121 "
10:30 "	16	245 "	9:50 "	108 "
11:00 "	16	246 "	10:00 "	105 "
11:30 "	16	246 "	10:10 "	104 "
12:00 Noon	16	247 "	10:20 "	104 "
12:30 P.M.	16	247 "	10:30 "	104 "
1:00 "	16	247 "		
1:30 "	16	248 "		
2:00 "	16	248 "		
2:30 "	16	248 "		
3:00 "	16	248 "		
3:30 "	16	248 "		
4:00 "	16	249 "		
4:30 "	16	249 "		
5:00 "	16	249 "		
5:30 "	16	249 "		
6:00 "	16	249 "		
6:30 P.M.	16	249 "		
7:00 "	16	249 "		
7:30 "	16	250 "		
8:00 "	16	250 "		
8:30 "	16	250 "		
9:00 "	16	250 "		
9:30 "	16	250 "		
10:00 "	16	250 "		
10:30 "	16	250 "		
11:00 "	16	250 "		
11:30 "	16	250 "		
12:00 Night	16	250 "		
12:30 A.M.	16	250 "		
1:00 "	16	250 "		
1:30 "	16	250 "		
2:00 "	16	250 "		
2:30 "	16	250 "		
3:00 "	16	250 "		
3:30 "	16	250 "		
4:00 "	16	250 "		
4:30 "	16	250 "		
5:00 "	16	250 "		
5:30 "	16	250 "		
6:00 "	16	250 "		
6:30 "	16	250 "		
7:00 "	16	250 "		
7:30 "	16	250 "		
8:00 "	16	250 "		
8:30 "	16	250 "		
9:00 "	16	250 "		
9:30 "	16	250 "		

Set Pump At 270 Ft.

Ward & Ward Drilling Co.



Drillers Log

Waco Dam & Reservoir Bosque River, Texas  
Speegleville Park Well No. 5  
Contract No. DA-41-443-Civeng-66-IOI

0 Ft	-----	5'	Top Soil
5 "	-----	12'	Clay
12 "	-----	22'	Shale
22 "	-----	65 Ft.	Lime & Shale
65 "	-----	436 "	Limestone
436 "	-----	490 "	Lime & Shale
490 "	-----	522 "	Limestone
522 "	-----	683 "	Soft Limestone
683 "	-----	936 "	Limestone
936 "	-----	951 "	Sandy Limestone
951 "	-----	1002 "	Shale
1002 "	-----	1054 "	Limestone
1054 "	-----	1063 "	Sand
1063 "	-----	1140 "	Trinity Water Sand

Casing Set At 1120 Ft. ✓

Ward & Ward Drilling Co.

V.O. Ward  
V.O. Ward Partner

24 Hour Well Test July 11, 1966  
 Waco Dam & Reservoir  
 Contract No. DA-41-443-Civeng-66-101  
 Speagleville Park Well No. 5

Time	Gallons Per Minute	Depth To Water	Recovery	Depth To Water
7:00 A.M.	17	130	7:00 A.M.	161
7:30 "	16	155	7:10 "	138
8:00 "	16	157	7:20 "	133
8:30 "	16	158	7:30 "	131
9:00 "	15	159	7:40 "	130
9:30 "	15	160	7:50 "	130
10:00 "	15	160	8:00 "	130
10:30 "	15	160		
11:00 "	15	160		
11:30 "	15	160		
12:00 Noon	15	161		
12:30 P.M.	15	161		
1:00 "	15	161		
1:30 "	15	161		
2:00 "	15	161		
2:30 "	15	161		
3:00 "	15	161		
3:30 "	15	161		
4:00 "	15	161		
4:30 "	15	161		
5:00 "	15	161		
5:30 "	15	161		
6:00 "	15	161		
6:30 "	15	161		
7:00 "	15	161		
7:30 "	15	161		
8:00 "	15	161		
8:30 "	15	161		
9:00 "	15	161		
9:30 "	15	161		
10:00 "	15	161		
10:30 "	15	161		
11:00 "	15	161		
11:30 "	15	161		
12:00 Nite	15	161		
12:30 A.M.	15	161		
1:00 "	15	161		
1:30 "	15	161		
2:00 "	15	161		
2:30 "	15	161		
3:00 "	15	161		
3:30 "	15	161		
4:00 "	15	161		
4:30 "	15	161		
5:00 "	15	161		
5:30 "	15	161		
6:00 "	15	161		
6:30 "	15	161		
7:00 "	15	161		

Set Pump At 161 Ft.

Ward & Ward Drilling Co.