

Control Number: 48033



Item Number: 1

Addendum StartPage: 0

Water & Washemanier Treatment Consultants

117/230 HUFFIMEISTIER ROAD), SUITE A-CMPRESS, TEXAS 777/429-1643 Tel: 281-37/3-0500 Fax: 281-37/3-1113

2613 FEB -7 AMII: 46

FORE PHONE CONTRACTOR

February 6, 2018

Public Utility Commission of Texas Central Records 1701 N. Congress, Suite 8-100 Austin, TX 78701

Re: Application from Crystal Springs Water Company, Inc. to Amend Water CCN No. 11373 for the Monterrey Oaks Subdivision in Montgomery County, TX

Dear Public Utility Commission of Texas:

Please find enclosed seven (7) copies of an Application for an Amendment to Water CCN No. 11373 for Crystal Springs Water Co., Inc. Also enclosed are two (2) CD's containing digital map data and one (1) CD containing an electronic copy of the application in .pdf format.

We appreciate your earliest review and issuance of a letter indicating administrative completeness. Please feel free to email me at syoung@waterengineers.com or call at 281-373-0500 if you have any questions regarding the information contained in this submittal.

Thank you for your assistance in this review process.

Sincerely,

WATERENGINEERS, INC.

Shelley Young, P.E.

Project Engineer

Encl. - 7 copies of CCN Amendment application

Shelley young

2 CD's containing digital map data

1 CD containing an electronic copy of the CCN Amendment Application

APPLICATION FOR AN AMENDMENT TO WATER CERTIFICATE OF CONVENIENCE AND NECESSITY NO. 11373

FOR

CRYSTAL SPRINGS WATER CO., INC. P.O. BOX 603 PORTER, TX 77365

PREPARED BY:

WATERENGINEERS, INC.

WATER & WASTEWATER TREATMENT CONSULTANTS 17230 HUFFMEISTER ROAD CYPRESS, TEXAS 77429 TEL: 281-373-0500 FAX: 281-373-1113

FEBRUARY 2018

APPLICATION FOR AN AMENDMENT TO WATER CCN NO. 11373

CRYSTAL SPRINGS WATER CO., INC.

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Pursuant to PUC Chapter 24, Substantive Rules Applicable to Water and Sewer Service Providers, Subchapter G: Certificates of Convenience and Necessity

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity (CCN)

Docket Number: New

(this number will be assigned by the Public Utility Commission after your application is filed)

7 copies of the application, including the original, shall be filed with

Public Utility Commission of Texas Attention: Filing Clerk 1701 N. Congress Avenue P.O. Box 13326 Austin, Texas 78711-3326

If submitting digital map data, two copies of the portable electronic storage medium (such as CD or DVD) are required.

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Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity (CCN)

Purpose of A	pplication		
□Obtain	□New Water CCN	□New Sewer CCN	
⊠Amend	⊠Water CCN# (s) 11373	3	
□Amend	□Sewer CCN#(s)	· · · · · · · · · · · · · · · · · · ·	

1. Applicant Information

Applicant	
Utility name: Crystal Springs Water Co., Inc.	
Certificate number: Water CCN 11373	
Street address (City/ST/ZIP/Code): 23449 Hwy. 5	9 North, Porter, TX 77365
Mailing address(City/ST/ZIP/Code): P.O. Box 603	6, Porter, TX 77365-0603
Utility Phone Number and Fax: (281) 354-5736	
Contact information	
Please provide information about the person(s) to be	
Please provide information about the person(s) to be owner, operator, engineer, attorney, accountant man	Title: Engineer

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 2 of 25

A .	Check the appropriate box and provide information regarding the legal status of the applicant:							
	Imue	estar Owned Utility	☐ Individual	☐ Pantmenshi	po o			
	☐ IHlan	me on Property Owner	s Association	₩ Fan-profit	Conponal	Tiem		
	☐ Nion	n-profit, member-own	ed, member-contin	olled cooperativ	econpan	ation		
	(Wilaber	r Code Chapter 67,, Wa	iter Supply or Sewe	en Service Conpo	ration)			
	☐ Mu	nicipality	☐ District	□ Other	- Please	explain:		
В.	Iff the a	applicant is a For-Profi A copy of the corpo	-				mation: te Comptroller of Public	
		Accounts. See Atta	chment A					
	ii.	The corporation's cl State: 17420905428	harter number as re	ecorded with the	Offlice of	of the Texas Secre	etary of	
	Wil.	A listing of all stock	holders and their re	spective percen	tages of	ownership.		
	ïw.	A copy of the compa	any's organizationa	l chart, if availab	le.			
	W	A list of all directors	and disclose the til	le of each individ	lual.			
	vi.	A list of all affiliated	organizations (if a	ny) and explain t	he affilia	ate's business rel	ationship with the applican	
C	If the	applicant is a Texas W	ater Code (TWC) Ci	hapter 67 water	supply o	or sewer service o	orporation please provide:	
	i.	A copy of the Article						
	111	The corporation's c						
	110.	Identification of all		_	_			
	īv.	A copy of the corpo	ration's Certificate	of Account Statu	s from t	the Texas Comptr	oller of Public Accounts.	
	Loca	tion Information						
2.								
2.	NO.							
	Are th	nere people already liv	ing in the proposed	d area?	Yes	⊠ No		

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 3 of 25

В.	Demon	strate the Need for Service by providing the following:
	Have y	ou received any requests for service in the requested service area?
	ĭ¥Yes	□No
	If YES,	provide the following:
	i.	Describe the service area and circumstances driving the need for service in the requested area. Indicate the name(s) and address(es) of landowner(s), prospective landowner(s), tenant(s), or resident(s) that have requested service; and/or See Attachment B
	ii.	Describe the economic need(s) for service in the requested area (i.e. plat approvals, recent annexation(s) or annexation request(s), building permits, septic tank permits, hospitals, etc.); and/or
	iii.	Discuss in detail the environmental need(s) for service in the requested area (i.e. failing septic tanks in the requested area, fueling wells, etc.); and/or
	iv.	Provide copies of any written application(s) or request(s) for service in the requested area; and/or
	V.	Provide copies of any reports and/or market studies demonstrating existing or anticipated growth in the requested area.
	vi.	If none of these items exist or are available, please justify the need for service in the proposed area in writing.
No	te: Failu	ure to demonstrate a need for additional service in the proposed service area may result in the delay and /or
po:	ssible de	enial of the application.
C.	Is any	portion of the proposed service area inside an incorporated city or district?
	☐ Yes	⊠ No
	If YES,	within the corporate limits of:
	Provid	e a copy of any franchise, permit, or consent granted by the city or district. If not available please explain:
D.	Is any	portion of the proposed service area inside another utility's CCN area?
	☐ Yes	⊠ No
	If YES,	has the current CCN holder agreed to decertify the proposed area?
	If NO, intere	are you seeking dual or single certification of the area? Explain why decertification of the area is in the public st:
1		

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 4 of 25

3. Map Requirements

Attach the following hard copy maps with each copy of the application:

- A. A location map delineating the proposed service area with enough detail to accurately locate the proposed area within the county. See Attachment C
- B. A map showing only the proposed area by: See Attachment D
 - metes and bounds survey certified by a licensed state or register professional land surveyor; or
 - projectable digital data with metadata (proposed areas should be in a single record and clearly labeled).
 Also, a data disk labeled with the applicant's name must be provided; or
 - iii. following verifiable natural and man-made landmarks; or
 - iv. a copy of recorded plat map with metes and bounds.
- C. A written description of the proposed service area. See Attachment E
- D. Provide separate and additional maps of the proposed area(s) to show the following:
 - all facilities, illustrating separately facilities for production, transmission, and distribution of the applicant's service(s); and See Attachment F
 - ii. any facilities, customers or area currently being served outside the applicant's certificated area(s).

Note: Failure to provide adequate mapping information may result in the delay or possible denial of your application.

Digital data submitted in a format other than ArcView shape file or Arc/Info E00 file may result in the delay or inability to review applicant's mapping information.

For information on obtaining a CCN base map or questions about sending digital map data, please visit the Water Utilities section of the PUC website for assistance.

4. New System Information or Utilities Requesting a CCN for the First Time

			-					
	Diazca	provide	tho	talla	A/EFFET	BEAT TO	OF THE STREET	- 6784
M .	ricase	DIOVIUE	LIIC	FUILU	WITH		JEEFRALIU	PE E

- a list of public drinking water supply system(s) or sewer system(s) within a 2 mile radius of the proposed system; See Attachment G
- ii. copies of written requests seeking to obtain service from each of the public drinking water systems or sewer systems listed in a. 1 above or documentation that it is not economically feasible to obtain service from each entity; See Attachment G
- iii. copies of written responses from each system or evidence that they did not reply; and
- for sewer utilities, documentation showing that you have obtained or applied for a wastewater discharge permit.

B.	Were your requests	for service denied?	X Yes	L No
----	--------------------	---------------------	--------------	------

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 5 of 25

- ii. If yes, please provide documentation of the denial of service and go to c.
- Iff no, please provide a detailed analysis which justifies your reasons for not accepting service. A separate
 analysis must be prepared and submitted for each utility that granted your request for service.
- C. Please summarize how the proposed utility system will be constructed and describe each projected construction phase, if any:

Phase I Water: In the first phase the following will be constructed: A 6" well with a 15 Hp motor capable of producing 168 gpm, a 125,186 gallon ground storage tank, a 5,072 gallon hydropneumatic tank, 3 - 25 Hp booster pumps capable of pumping 300 gpm each at 55 psi, facilities to store and feed sodium hypochlorite for disinfection, a 6" high fence with 3 strands of barbed wire and a 150 kW generator.

Phase II Water: When customer demand or plant physical characteristics require, a second 6" well will be drilled, a second hydropneumatic tank will be added and an additional booster oump will be added.

D.	Date of plat approval, if required:	
	Approved by:	

E. D	ate Plans	8	Specifications s	ubmitted t	to the	TCEQ f	or approval:
------	-----------	---	------------------	------------	--------	--------	--------------

water-approved 6/16/2017/	Attach copy of approval letter, if available	. If the letter
is not available by the time your CCN application is submitted	d, please supplement your application with	a copy of the
letter once you receive it from the TCEQ.		

- F. Date construction is scheduled to commence: 6/1/2018
- G. Date service is scheduled to commence: 3/1/2019

5. Existing System Information

A. Please provide the following information for each water and/or sewer system, attach additional sheets if necessary.

1 7 0 0 5 8 0; 1 7 0 0 1 4 7; 1 7 0 0 7 5 6

1 7 0 0 6 2 2; 1 7 0 0 3 2 2; 2 3 6 0 0 4 4

1 7 0 0 7 1 9; 1 7 0 0 1 8 4; 1 7 0 0 1 9 8

ii. Sewer system(s): TCEQ Discharge Permit number(s)

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 6 of 25

- i. If yes, please provide documentation of the denial of service and go to c.
- ii. If no, please provide a detailed analysis which justifies your reasons for not accepting service. A separate analysis must be prepared and submitted for each utility that granted your request for service.
- C. Please summarize how the proposed utility system will be constructed and describe each projected construction phase, if any:

Phase I Water: In the first phase the following will be constructed: A 6" well with a 15 Hp motor capable of producing 168 gpm, an 125,186 gallon ground storage tank, a 5,072 gallon hydropneumatic tank, 3 - 25 Hp booster pumps capable of pumping 300 gpm each at 55 psi, facilities to store and feed sodium hypochlorite for disinfection, a 6' high fence with 3 strands of barbed wire and a 150 kW generator.

Phase II Water: When customer demand or plant physical characteristics require, a second 6" well will be drilled, a second hydropneumatic tank will be added and an additional booster pump will be added.

D.	Date of plat approval, if required:
E.	Date Plans & Specifications submitted to the TCEQ for approval: water-3/3/2017 Attach copy of approval letter, if available. If the letter
	is not available by the time your CCN application is submitted, please supplement your application with a copy of the letter once you receive it from the TCEQ.
F.	Date construction is scheduled to commence: 6/1/2018
G.	Date service is scheduled to commence: 3/1/2019

5. Existing System Information

A. Please provide the following information for each water and/or sewer system, attach additional sheets if necessary.

i. Water system(s): TCEQ Public Water System identification number(s):

1 7 0 0 4 3 2	1 7 0 0 0 5 8	1 7 0 0 6 2 6
1 7 0 0 6 1 2	1 7 0 0 4 3 3	1 7 0 0 2 8 9
1 7 0 0 6 2 9	1 7 0 0 0 6 6,	1 7 0 0 6 1 3
1 7 0 0 4 6 6,	1 7 0 0 0 7 5	

ii. Sewer system(s): TCEQ Discharge Permit number(s)

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 6 of 25

w	Q			-];	w	Q			-		
w	Q			-];	w	Q			-		
w	Q			-];	w	Q	!		-		

Attachment
Þ

- iv. Attach a copy of the most recent TCEQ water and/or sewer inspection report letter(s). See Attachment J
- v. For each system deficiency listed in the TCEQ inspection report letter; attach a brief explanation listing the actions taken or being taken by the utility to correct the listed deficiencies, including the proposed completion dates.

B. Provide the following information about the utility's certified water and/or sewer operators

Classes	License Number
C-Water, C-WW	WG0006200, WW0013058
C-Water, D-WW	WG0011038, WW0031216
C-Water	WG0013679
D-Water, D-WW	WO0032749, WW0050871
D-Water	WO0010545
	C-Water, C-WW C-Water, D-WW C-Water D-Water, D-WW

⁻ Attach additional sheet(s) if necessary -

C.	Using the current number of customers, is any facility component in systems named in #5A above operating at
	85% or greater of minimum standard capacity?

☐ Yes

■ No.

Attach a copy of the 85% rule compliance document filed with the TCEQ if the system is operating at 85% or greater of the TCEQ's minimum standard capacity requirements.

D. In the table below, the number of existing and/or proposed metered and non-metered connections (by size). The proposed number should reflect the information presented in the business plan or financial **documentation** and reflect the number of service requests identified in Question 2.b in the application.

TCEQ W	ater System	TCEQ Sewer System				
Connection	Existing	Proposed	Connection	Existing	Proposed	
5/8" or 3/4" meter	0	240	Residential	0	240	
1" meter or larger			Commercial			
Non-Metered			Industrial			

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 7 of 25

TCEQ Wa	ater System	TCEQ	Sewer Syster	n	
Other:			Other:		
Total Water	0	240	Total Sewer	0	240

E. If this application is for a water CCN only, please explain how sewer service is or will be provided:

development		n has been s	ent plant that will be built within the ubmitted to TCEQ. A separate
If this applicat	ion is for a sewer CCN only, please	explain how w	ater service is or will be provided:
N/A			
Effect of Com	tius a Cartificata Amandmant a		
	iting a Certificate Amendment. Se ail the effect of granting of a certif		endment, including, but not limited to
regionalizatio	n, compliance and economic effec		
·	pplicant,		
	etail public utility of the same kind andowner(s) in the requested area		g the proximate area; <u>and</u>
iii. aity ic	indowner(s) in the requested area	•	
Do you curre	ntly purchase or plan to purchase v	water or sewer	treatment capacity from another source
i.	No, (skip the rest of this question		
ii.	Yes, Water		
Purchased on	a Regular	☐ Seasonal	☐ Emergency basis?
	Water Source		% of Total Treatment
1		i	0.00%

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362)
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	Water Source		% of Total Treatment				
			0.00%				
			0.00%				
iii. 🔲 Yes, Sew Purchased on a	er treatment capacity	□ Seasonal	☐ Emergency basis?				
	Sewer Saurce		% of Total Treatment				
			0.00%				
			0.00%				
			0.00%				

- Provide a signed and dated copy of the most current water or sewer treatment capacity purchase agreement or contract.
- II. Ability to Provide Adequate Service. See Attachment L.

Describe the ability of the applicant to provide adequate service, including meeting the standards of the commission, taking both of the following items into consideration:

- i. the current and projected density; and
- the land use of the requested area.
- J. Effect on the Land. Explain the effect on the land to be included in the certificated area.

The land is currently wooded and unoccupied developed into a residential neighborhood.	

6. Financial Information

- A. For new water and/or sewer systems and for applicants with existing CCNs who are constructing a new standalone water and/or sewer system: See Attachment M
 - i. the applicant must provide an analysis of all necessary costs for constructing, operating, and maintaining the system, and the source of that capital (such as a financial statement for the developing entity) for which the CCN is requested for at least the first five years. In addition, if service has been offered by an existing retail water service provider as stated in #4.A., but the applicant has determined that the cost of service as finally offered renders the project not economically feasible, the applicant must provide a comparison analysis of all necessary costs for acquiring and continuing to receive service from the existing system for the same period.
 - ii. Attach projected profit and loss statements, cash flow worksheets, and balance sheets (projected five year financial plan worksheet is attached) for each of the first five years of operation. Income from rates

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 9 of 25

- should correlate to the projected growth in connections, shown on the projected profit and loss statement.
- iii. Attach a proposed rate schedule or tariff. Describe the procedure for determining the rates and fees and indicate the date of last change, if applicable. Attach copies of any cost of service studies or rate analysis worksheets. See Attachment N - Water Tariff
- B. For existing water and/or sewer systems:
 - ii. Attach a profit and loss statement and current balance sheet for existing businesses (end of last fiscal year is acceptable). Describe sources and terms for borrowed capital such as loans, bonds, or notes (profit and loss and balance sheet worksheets are attached), if needed).
 - iii. Attach a proposed rate schedule or tariff.
- Note: An existing water and/or sewer system may be required to provide the information in 6.A.i. above during the technical review phase if necessary for staff to completely evaluate the application
- C. Identify any funds you are required to accumulate and restrict by lenders or capital providers.
- D. In lieu of the information in #6.A. thru #6.C., you may provide information concerning loan approvals within the last three (3) years from lending institutions or agencies including the most recent financial audit of the applicant.
- Note: Failure to provide adequate financial information may result in the delay or possible denial of your application.

7. Notice Requirements

- A. All proposed notice forms must be completed and submitted with the application. Do not mail or publish the notices until you receive written approval from the commission to do so.
- B. The commission cannot grant a CCN until proper notice of the application has been given. <u>Commission rules</u>
 do not allow a waiver of notice requirements for CCN applicants.
- C. It is the applicant's responsibility to ensure that proper notice is given to all entities that are required to receive notice.
- D. Recommended notice forms for publication, neighboring cities and systems, landowners with 25 acres or more, and customers are included with this application for use in preparing proposed notices. (Notice forms are available in Spanish upon request.)
- E. After reviewing and, if necessary, modifying the proposed notice, the commission will send the notice to the applicant after the application is accepted for filing along with instructions for publication and/or mailing. Please review the notice carefully before providing the notice.
- F. Notice For Publication:
 - The applicant shall publish the notice in a newspaper with general circulation in the county(ies) where a CCN is being requested. The notice must be published once each week for two consecutive weeks beginning with the week after the notice is received from the commission. Proof of publication in the form of a publisher's affidavit shall be submitted to the commission within 30 days of the last publication date. The affidavit shall state with specificity each county in which the newspaper is of general circulation.
- G. Notice To Neighboring Utilities:
 - List all neighboring retail public utilities and cities providing the same utility service within the following vicinities of the applicant's proposed certificate area.
 - ii. For applications for the issuance of a NEW CCN, the applicant must mail the notice with a copy of the proposed CCN map to all cities and neighboring retail public utilities providing the same utility service within five (5) miles of the requested service area.

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362)
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- iii. For applications for the AMENDMENT of a CCN, the applicant must mail the notice with a copy of the proposed CCN map to all cities and neighboring retail public utilities providing the same utility service within two (2) miles of the requested service area. See Attachment F
- H. Notice to Customers:

Investor Owned Utilities (IOUs) that are currently providing service without a CCN must provide individual mailed notice to all current customers. The notice must contain the current rates, the date those rates were instituted and any other information required in the application.

I. The commission may require the applicant to deliver notice to other affected persons or agencies.

Do not publish or send copies of the proposed notices to anyone at the time you submit the application to the commission. Wait until you receive written authorization to do so. Authorization occurs after the commission has reviewed the notices for completeness, and your application has been accepted for filing. Once the application is accepted for filing, you will receive written authorization to provide notice. Please check the notices for accuracy before providing them to the public. It is the applicant's burden to ensure that correct and accurate notice is provided.

OATH

STATE OF COUNTY OF	TEXAS MONTGOMERY	n ,	
I, file this applie that is, owner epresentative and verify suffled with this application; a correct. I fundoes not dup I further representative its original supplication its	montgomery cation as r, member of partner e of Applicant); the ch application, am application, and h and, that all such si ther state that the licate any filing pre- resent that the app nal form. present that the	at, in such capacity, personally familiar of ave complied with a catements made and application is made esently before the Polication form has no applicant will prove	,being duly sworn, (indicate relationship to Applicant, er of corporation, or other authorized I am qualified and authorized to file with the maps and financial information all the requirements contained in this d matters set forth therein are true and in good faith and that this application ablic Utility Commission of Texas. t been changed, altered or amended vide continuous and adequate
service to a service area		qualified applican	ts for service within its certificated
		<u>&</u>	any Puncell
		(Utility's Authorized Representative)
			the sole owner, partner, officer of the of Attorney must be enclosed.
SUBSCRIBED This day	AND SWORN TO E	BEFORE ME, a Notar	y Public in and f o r the State of Texas,
0511		ancinchicospinines/4000).	But O Milor
SEAL		Mixon Public STexas	NOTARY AUBLIC IN AND FOR THE STATE OF TEXAS
	My Comm. Ex	p.06/06/2018	Booky J. Mison PRINT OR TYPE NAME OF NOTARY
			PRINT OR TYPE NAME OF NOTARY
		MY COM	ISSION EXPIRES

Application to Obtain or Amend a Water or Sewer Certificate of Convenience and Necessity, 9/1/14 (formerly TCEQ form 10362) Page 12 of 25

Notice for Publication

NOTICE OF APPLICATION FOR A CERTIFICATE OF CONVENIENCE AND NECESSITY (CCN) TO PROVIDE WATER UTILITY SERVICE IN MONTGOMERY COUNTY, TEXAS

Crystal Springs Water Company, Inc. has filed an application to amend Water Certificate of Convenience and Necessity (CCN) No. 11373 with the Public Utility Commission of Texas to provide water utility service in Montgomery County.

The proposed utility service area is located approximately 3.25 miles north of Splendora, Texas in Montgomery County and is **generally** bounded on the north by Morgan Cemetery Road, on the east by Autumn Lane, on the south by a line 3,325 feet south of and parallel to Morgan Cemetery Road, and on the west by Crossno Road.

The total area being requested for the proposed water and sewer service areas includes approximately 102.291 acres for each service area and 0 current customers.

A copy of the proposed service area map is available at: WaterEngineers, Inc., 17230 Huffmeister Road, Suite A, Cypress, Texas 77429 (281) 373-0500.

A request for a public hearing must be in writing. You must state (1) your name, mailing address, and daytime telephone number; (2) the applicant's name, application number or another recognizable reference to this application; (3) the statement, "I/we request a public hearing"; (4) a brief description of how you or the persons you represent, would be adversely affected by the granting of the application for a CCN; and (5) your proposed adjustment to the application or CCN which would satisfy your concerns and cause you to withdraw your request for a hearing.

Persons who wish to intervene or comment should file with the PUC at the following address:

Filing Clerk
Public Utility Commission of Texas
1701 North Congress Avenue
P.O. Box 13326
Austin, TX 78711-3326

within thirty (30) days from the date of this publication or notice. A public hearing will be held only if a legally sufficient hearing request is received or if the Commission on its own motion requests a hearing. Only those individuals who submit a written hearing request or a written request to be notified if a hearing is set will receive notice if a hearing is scheduled.

If a public hearing is requested, the Executive Director will not issue the CCN and will forward the application to the State Office of Administrative Hearings (SOAH) for a hearing. If no settlement is reached and an evidentiary hearing is held, the SOAH will submit a recommendation to the Commission for final decision. If an evidentiary hearing is held, it will be a legal proceeding similar to a civil trial in state district court.

If you are a landowner with a tract of land at least 25 acres or more, that is partially or wholly located within the proposed area, you may request to be excluded from the proposed area (or "opt out") by providing written notice to the Commission within (30) days from the date that notice was provided by the applicant. All request to opt out of the requested service area must include a scaled, general location map and a metes and bounds description of the tract of land.

Persons who meet the requirements to opt out, and wish to request this option should file the required documents with the:

Filing Clerk
Public Utility Commission of Texas
1701 North Congress Avenue
P.O. Box 13326
Austin, TX 78711-3326

A copy of the request to opt out of the proposed area must also be sent to the applicant. Staff may request additional information regarding your request.

Si desea informacion en Espanol, puede llamar al 1-888-782-8477.

ATTACHMENT "A" CERTIFICATE OF ACCOUNT STATUS





Franchise Tax Account Status

As of: 01/26/2018 10:25:36

This Page is Not Sufficient for Filings with the Secretary of State

CRYSTAL SPRINGS WATER CO., INC.

Texas Taxpayer Number 17420905428

Mailing Address PO BOX 603 PORTER, TX 77365-0603

@ Right to Transact Business in Texas ACTIVE

State of Formation TX

Effective SOS Registration Date 02/09/1979

Texas SOS File Number 0046316600

Registered Agent Name TOM A MARTIN

Registered Office Street Address P O BOX 603 PORTER, TX 77365

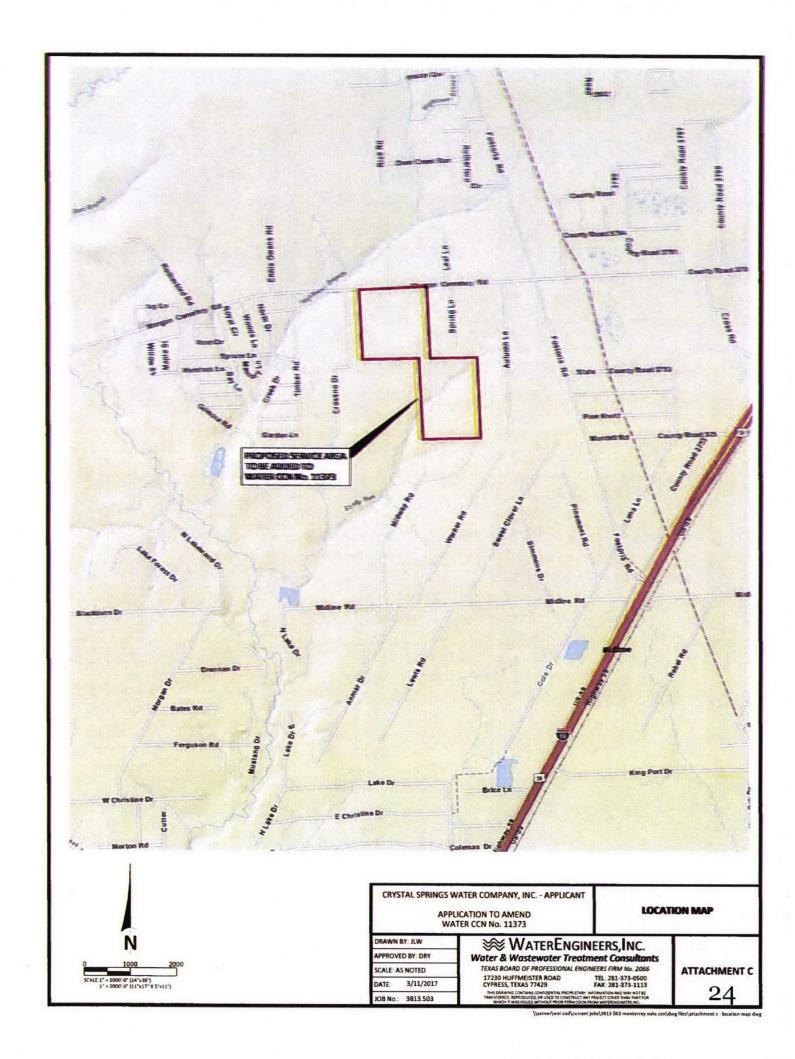
ATTACHMENT "B" NEED FOR SERVICE

ATTACHMENT B NEED FOR SERVICE

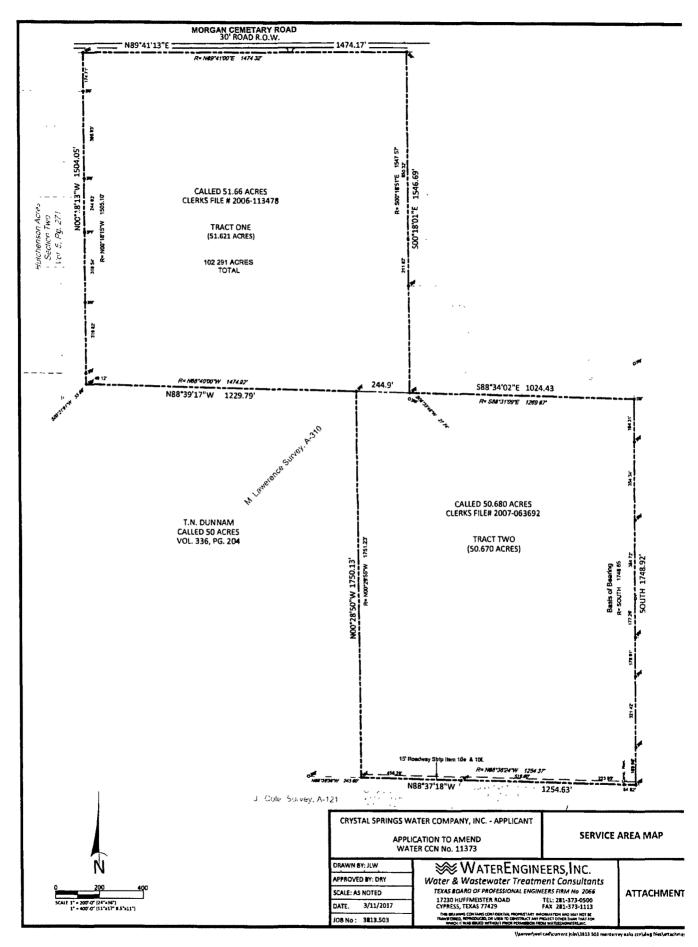
Monterrey Oaks, Ltd. (DEVELOPER) plans to develop approximately 102.291 acres of land in Montgomery County, Texas into residential lots, and has partnered with Crystal Springs Water Co., Inc. to provide water and sewer service. The tract is not in any other CCN, district or city.

Monterrey Oaks, Ltd. and Crystal Springs Water Co., Inc. have some common ownership.

ATTACHMENT "C" GENERAL LOCATION MAP



ATTACHMENT "D" PROPOSED SERVICE AREA MAP

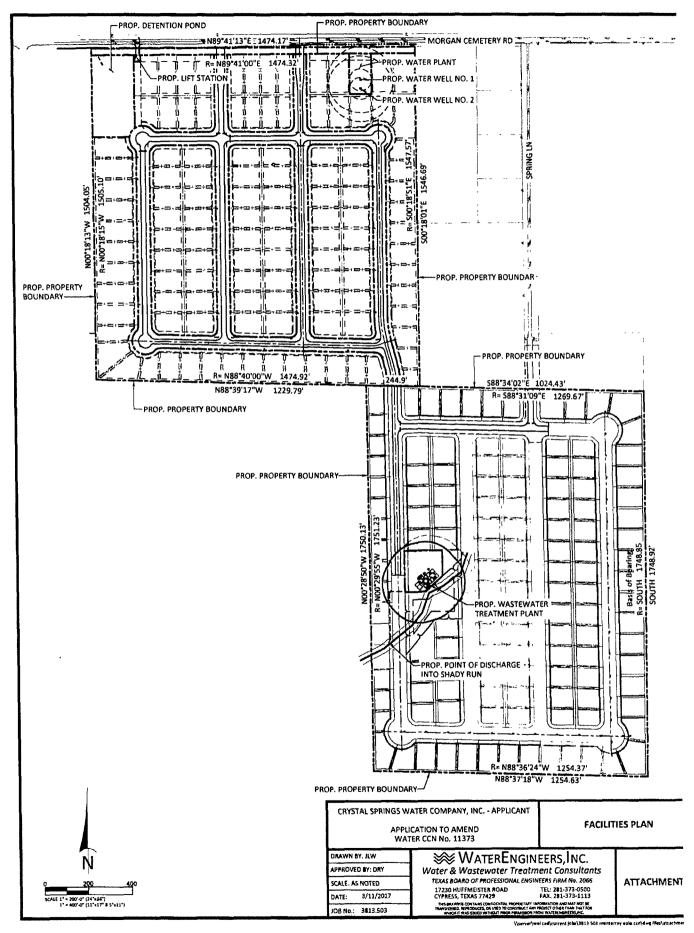


ATTACHMENT "E" WRITTEN DESCRIPTION OF SERVICE AREA

ATTACHMENT E WRITTEN DESCRIPTION OF SERVICE AREA

The proposed utility service area is located approximately 3.25 miles north of Splendora, Texas in Montgomery County and is generally bounded on the north by Morgan Cemetery Road, on the east by Autumn Lane, on the south by a line 3,325 feet south of and parallel to Morgan Cemetery Road, and on the west by Crossno Road.

ATTACHMENT "F" FACILITIES MAP



ATTACHMENT "G"

NEIGHBORING PUBLIC UTILITIES WITHIN 2 MILES AND SERVICE REQUEST LETTERS

ATTACHMENT G

TWO MILE RADIUS DISTRICTS, CCN HOLDERS AND CITIES

City of Splendora CCN Nos. 11727

P.O. Drawer 1087 Splendora, TX 77372

Southern Horizons Development, Inc CCN No. 12863

P.O. Box 1076

Splendora, TX 77372-1076

Northwoods WSC CCN No. 12879

P.O. Box 556

Splendora, TX 77372

C & R Water Supply, Inc. CCN No. 13098

P.O. Box 187

Willis, TX 77378-0187

City of Cleveland CCN Nos. 13217

907 E. Houston Street Cleveland, TX 77327

T & W Water Service CCN No. 12892

P.O. Box 2927

Conroe, TX 77305-2927

East Montgomery County Improvement District District ID 2801500

21575 U.S. Highway 59 North New Caney, TX 77357-1019

San Jacinto River Authority District ID 7490000

1577 Dam Site road Conroe, TX 77304

Lone Star Groundwater Conservation District District ID 5445500

665 Conroe Park North Drive

Conroe, TX 77303

Montgomery County 501 North Thompson, Suite 401

Conroe, TX 77301



Binning Lin 22013

Ann. Mt Bar Payer
PO Box 2527

Distriction Lingue

We are in the powers of schmiding an application to the PUC to amend Water Confidence of Consenious and Necessity (CON) No. 11575 for Crystal Springs Water Company, Inc. The proposed new water and wasterater systems will serve the proposed new Messacry Cole scribbaild development generally heated approximately 2,450 feet west of the intersection of Festivia Road and Mongan Country, Road in Cleveland, Montgomery Country, Texas, as shown on the attached map. We had sent you a letter in September of 2016 regarding this project, but the project changed and we are resolventing at this time.

FUC rules require that we contact all existing CON holders and Utility Districts within a two mile radius to determine if an existing utility is willing to provide retail water service to the proposed development in a manner that is competitive with what can be provided by the new system.

In accordance with POC requirements, we are heathy requesting retail water and sewer service from your utility. If your utility is willing to provide water and sewer service to the proposed 240 lot subdivision, please return a copy of this letter indicating your proposal, provide an estimate of capital costs as well as a copy of your Rate Order, a service request form, and specific requirements affecting scholaling and costs.

You may fax your response to 281-373-1113 or email it to syoung@waterengineers.com. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGENEERS, INC.
Shulle Lighter
Shelley Young, P.E.

cc: Crystai Springs Water Company, Inc.

REPI	x 00
Date of Reply: 1-30-3018	Signature:
Name of Utility: THW WATER SYSTEM	Printed Name: Roy PAYUE
Will you provide Retail Water Service? (Yes (No))	Title: PRESIDENT
(If Yes, please provide a copy of your Rate Order)	Address: PO Box 2827
Terms:	CONKOE, TX 77305-2927
	Telephone: 936-756-7400
	Email: ROJC RESTORTED ON. COM



WATTER & WASTIENATIER TREATMENT CONSULTANTS
117230 HUFFWEISTER ROAD, SUITE A-CYPRESS, TEXAS 77429-1643
TIEL: 281-373-0500 FAX: 281-373-1113

January 26, 2018

C & R Water Supply, Inc. P.O. Box 187 Willis, TX 77378-0187

Dear Sir/Ms.:

We are in the process of submitting an application to the PUC to amend Water Certificate of Convenience and Necessity (CCN) No. 11373 for Crystal Springs Water Company, Inc. The proposed new water and wastewater systems will serve the proposed new Monterrey Oaks residential development generally located approximately 2,460 feet west of the intersection of Fostoria Road and Morgan Cemetery Road in Cleveland, Montgomery County, Texas, as shown on the attached map. We had sent you a letter in September of 2016 regarding this project, but the project changed and we are resubmitting at this time.

PUC rules require that we contact all existing CCN holders and Utility Districts within a two mile radius to determine if an existing utility is willing to provide retail water service to the proposed development in a manner that is competitive with what can be provided by the new system.

In accordance with PUC requirements, we are hereby requesting retail water and sewer service from your utility. If your utility is willing to provide water and sewer service to the proposed 240 lot subdivision, please return a copy of this letter indicating your proposal, provide an estimate of capital costs as well as a copy of your Rate Order, a service request form, and specific requirements affecting scheduling and costs.

You may fax your response to 281-373-1113 or email it to syoung@waterengineers.com. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.
Shelley Young, P.E.

cc: Crystal Springs Water Company, Inc.

LO REPLY	
Date of Reply:	Signature:
Name of Utility:	Printed Name:
Will you provide Retail Water Service (Yes / No)	Title:
(If Yes, please provide a copy of value Rate Order)	Address:
Terms:	
	Telephone:
	Email:



Watier & Wastiewatier Treatment Consultants
17230 Huffmeister Road, Suite A-Cypress, Texas 77429-1643
Tel.: 281-373-0500 Fax: 281-373-1113

January 26, 2018

City off Splendora CCN Noss. 111727/ Aftm: Ms. Danna Welter P.O. Drawer 1087/ Splendora, TX 77/5/2-1087/

Deer Ms. Welter:

WATERENGINEERS, INC.

Shelley Young, P.E.

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Water & Washemaner Treatment Consultations 177230 Huffweister Road, Suite A-Cxfress, Texas 77/429-1643 Thei: 281-373-0500 Fax: 281-373-11113

January 26, 2018

Southern Horizons Development, Inc. CCN Nos. 12863 P.O. Drawer 1076 Splendora, TX 77372-1076

Dear Sir/Ms.:

Sincerely,

WATERENGINEERS, INC.

cc: Crystal Springs Water Company, Inc.

Shelley Young P. F.

We are in the process of submitting an application to the PUC to amend Water Certificate of Convenience and Necessity (CCN) No. 11373 for Crystal Springs Water Company, Inc. The proposed new water and wastewater systems will serve the proposed new Monterrey Oaks residential development generally located approximately 2,460 feet west of the intersection of Fostoria Road and Morgan Cemetery Road in Cleveland, Montgomery County, Texas, as shown on the attached map. We had sent you a letter in September of 2016 regarding this project, but the project changed and we are resubmitting at this time.

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You may fax your response to 281-373-1113 or email it to syoung@waterengineers.com. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Printed Name:

Will you provide Retail Water Service? (Yes Yes)

(If Yes, please provide a copy of your Risk Order)

Terms:

Telephone:

Email:



Water & Wastemader Tegatment Consultants

11/23:00 HTUFFFWEISTER ROXD, SWITE A-CYPRESS, TEXAS 7/1429-1643

Tamuarw 26, 20018

City of Cleveland CCN Nos. 15217 Attn: Radi Hainey 907 E. Mauston Street Cleveland, Texas 77527

Dear Sir/Ms.:

Sincerely,

WATERENGINEERS, INC.

We are in the process of submitting an application to the PUC to amend Water Certificate of Convenience and Necessity (CCN) No. 11373 for Crystal Springs Water Company, Inc. The proposed new water and wastewater systems will serve the proposed new Monterrey Oaks residential development generally located approximately 2,460 feet west of the intersection of Fostoria Road and Morgan Cemetery Road in Cleveland, Montgomery County, Texas, as shown on the attached map. We had sent you a letter in April of 2017 regarding this project, but the project changed and we are resubmitting at this time.

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Water & Wassemaner Treatment Consultants

177230 Huffiweisher Road, Suine A-Cyfress, Texas 777429-1643 Tel: 281-373-0500 Fax: 281-373-11113

January 26, 2018

Northwoods WSC P.O. Box 556 Splendora, TX 77372-0556

Dear Sir/Ms.:

Sincerely,

WATERENGINEERS, INC.

Shelley Young, P.E.

We are in the process of submitting an application to the PUC to amend Water Certificate of Convenience and Necessity (CCN) No. 11373 for Crystal Springs Water Company, Inc. The proposed new water and wastewater systems will serve the proposed new Monterrey Oaks residential development generally located approximately 2,460 feet west of the intersection of Fostoria Road and Morgan Cemetery Road in Cleveland, Montgomery County, Texas, as shown on the attached map. We had sent you a letter in September of 2016 regarding this project, but the project changed and we are resubmitting at this time.

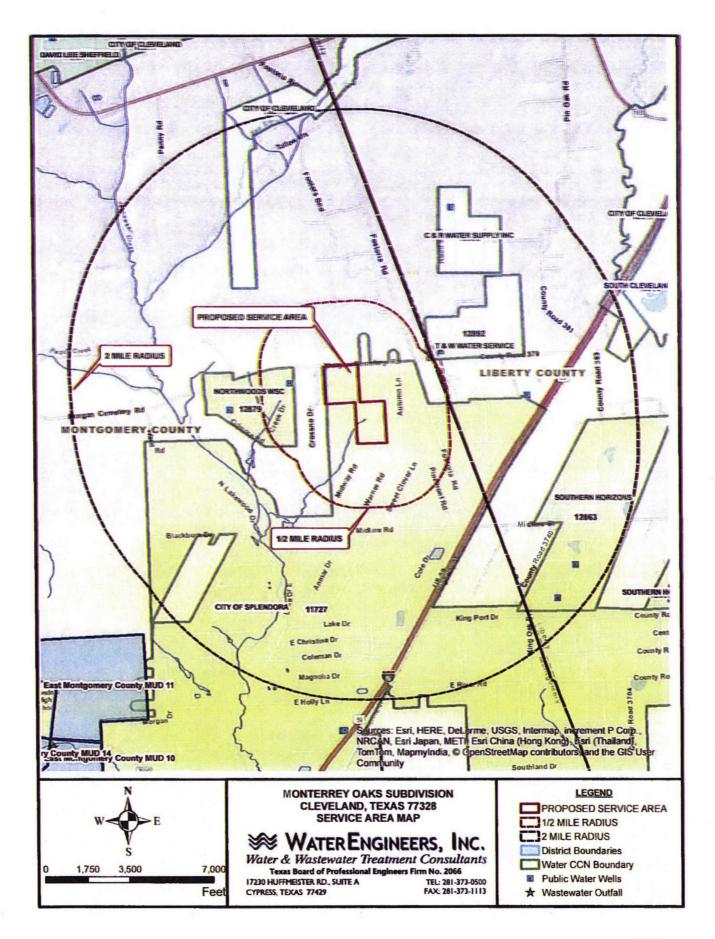
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You may fax your response to 281-373-1113 or email it to syoung@waterengineers.com. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

cc: Crystal Springs Water Company, Inc.	
REPLY	
Date of Reply: Name of Utility: Will you provide Retail Water Service? (Yes 110) (If Yes, please provide a copy of you had Order)	Signature:
Name of Utility:	Printed Name:
Will you provide Retail Water Service? (Yes 110)	Title:
(If Yes, please provide a copy of you Had Order)	Address:
Terms:	
•	Telephone:

Email:



ATTACHMENT "H" TCEQ WATER SYSTEM APPROVAL LETTER

CRYSTAL SPRINGS WATER CO., INC.

DIM

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Jon Niermann, Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 16, 2017

Mr. D. Ray Young, P.E. Water Engineers, Inc. 17230 Huffmeister Road, Suite A Cypress, TX 77429-1643

Re: Monterrey Oaks - Public Water System ID No. 1700879
Proposed Well and Water System
Engineer Contact Telephone: (281) 373-0500
Plan Review Log No. P-04102017-053
Montgomery County, Texas

CN605379809; CN605379809

Dear Mr. Young:

On April 10, 2017, the Texas Commission of Environmental Quality (TCEQ) received planning material with your letter dated April 3, 2017 for the proposed well and water system. Based on our review of the information submitted, the project generally meets the minimum requirements of Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems and is conditionally approved for construction if the project plans and specifications meet the following requirements:

- 1. Three corrosive indices (Langelier Saturation Index, Ryznar Stability Index and the Aggressive Index) will be used to calculate corrosivity of the water from new source(s). Corrosive or aggressive water could result in aesthetic problems, increased levels of toxic metals, and deterioration of household plumbing and fixtures. If the water appears to be corrosive, the system will be required to conduct a study and submit an engineering report that addresses corrosivity issues or may choose to install corrosion control treatment before use may be granted. All changes in treatment require submittal of plans and specifications for approval by TCEQ.
- 2. The proposed corrosion control treatment system will require a separate submittal. Until the well is drilled and the chemical analysis is performed there is not sufficient information for the TCEQ to evaluate any future corrosion control treatment. Please resubmit the corrosion control treatment, if necessary, after the well is drilled and chemical analysis is performed. The submittal must also include the plans and specifications; the specific corrosion control chemical with MSDS sheet; and calculations for sizing feed pumps and chemical storage tanks in accordance with 30 TAC Section 290.39(e)(8) to demonstrate that the proposed treatment system meets the requirements in 30 TAC Section 290.42(f).

P.O. Box 13087 • Austin, Texas 78711-3087 • 512-239-1000 • tceq.texas.gov

Mr. D. Ray Young, P.E. Page 2 June 16, 2017

- 3. §290.42(e)(3)(C) requires that all disinfecting equipment in water treatment plants shall include at least one functional standby unit of each capacity for ensuring uninterrupted operation. Common standby units are permissible but, generally, more than one standby unit must be provided because of the differences in feed rates or the physical state in which the disinfectants are being fed (solid, liquid, or gas).
- 4. §290.43(d)(3) requires that air injection lines must be equipped with filters or other devices to prevent compressor lubricants and other contaminants from entering the pressure tank.

Texas Water Code Section 36.0015 allows for the creation of groundwater conservation districts (GCDs) as the preferred method of groundwater management. GCDs manage groundwater in many counties and are authorized to regulate production and spacing of water wells. Public water systems drilling wells within an existing GCD are responsible for meeting the GCD's requirements. The authorization provided in this letter does not affect GCD authority to manage groundwater or issue permits.

The design engineer or water system representative is required to notify the Plan Review Team in writing by fax at (512) 239-6972 or by emailing Craig.Stowell@Tceq.Texas.Gov and cc: vera.poe@tceq.texas.gov at least 48 hours before the well casing pressure cementing begins. If pressure cementing is to begin on Monday, then they must give notification on the preceding Thursday. If pressure cementing is to begin on Tuesday, then they must give notification on the preceding Friday.

The TCEQ does not approve this well for use as a public water supply at this time. We have enclosed a copy of the "Public Well Completion Data Checklist for Interim Approval (Step 2)". We provide this checklist to help you in obtaining approval to use this well.

The submittal consisted of 14 sheets of engineering drawings, technical specifications and an engineering summary. The proposed project consists of:

- One (1) public water supply well drilled to 335 feet with 300 linear feet (lf) of 6.625-inch outside diameter (od) Schedule 40 steel casing and pressure-cemented 300 lf;
- 30 If of 4-inch od stainless steel slot screen, 5 If of 4-inch od blank liner, with underream and no gravel pack;
- The well is rated for 168 gallons per minute (gpm) yield with a 20 horsepower, submersible pump set at 290 feet deep. The design capacity of the pump is 168 gpm at 330 feet total dynamic head;
- One (1) 125,186 gallon American Water Works Association Standard D103 bolted epoxy coated steel ground storage tank;
- Three (3) 300 gpm service pumps;
- One (1) sodium hypochlorite disinfection system consisting of one (1) 24 gallons per day peristaltic metering pump, 75 gallon storage tank and 100 gallon containment tank;
- One (1) 5,072 gallon pressure tank;
- Various valves, fittings and related appurtenances;

Mr. D. Ray Young, P.E. Page 3 June 16, 2017

- · Intruder resistance fence: and
- All weather access road.

This approval is for the construction of the above listed items only. Any wastewater components contained in this design were not considered.

The Monterrey Oaks public water system provides water treatment.

The project is located approximately 0.03 mile southwest of the intersection of Morgan Cemetery Road and Spring Lane in Montgomery County, Texas.

An appointed engineer must notify the TCEQ's Region 12 Office in Houston at (713) 767-3500 when construction will start. Please keep in mind that upon completion of the water works project, the engineer or owner will notify the commission's Water Supply Division, in writing, as to its completion and attest to the fact that the completed work is substantially in accordance with the plans and change orders on file with the commission as required in 30 TAC §290.39(h)(3).

Please refer to the Plan Review Team's Log No. P-04102017-053 in all correspondence for this project.

Please note for future submittals: In order to determine if a new source of water or a new treatment process results in corrosive or aggressive finished water that may endanger human health, we are requesting additional sampling and analysis of lead, alkalinity (as calcium carbonate), calcium (as calcium carbonate) and sodium in addition to the required chemical test results for public water system new sources. We are requiring these additional sampling results as listed in our currently revised checklists (Public Well Completion Data Checklist for Interim Use – Step 2 and Membrane Use Checklist – Step 2) which can be found on TCEQ's website at the following address:

https://www.tceq.texas.gov/drinkingwater/udpubs.html

Please include these additional sampling results in well completion submittals, membrane use submittals, and other treatment process submittals.

New surface water sources will need to also include lead, total dissolved solids, pH, alkalinity (as calcium carbonate), chloride, sulfate, calcium (as calcium carbonate) and sodium with the analysis required in 30 TAC Section 290.41(e)(1)(F).

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals to TCEQ. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on TCEQ's website at the address shown below. You can also download the most current plan submittal checklists and forms from the same address.

https://www.tceq.texas.gov/drinkingwater/udpubs.html

For future reference, you can review part of the Plan Review Team's database to see if we have received your project. This is available on TCEQ's website at the following address:

https://www.tceg.texas.gov/drinkingwater/planrev.html/#status

Mr. D. Ray Young, P.E. Page 4 June 16, 2017

You can download the latest revision of 30 TAC Chapter 290 – <u>Rules and Regulations for Public</u> Water Systems from this site.

If you have any questions concerning this letter or need further assistance, please contact Mr. Craig A. Stowell, P.E. at (512) 239-4633 or by email at craig.stowell@tceq.texas.gov or by correspondence at the following address:

Plan Review Team, MC-159
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Sincerely,

Craig A. Stowell, P.E. Plan Review Team

Plan and Technical Review Section

Robert W. Smin

Water Supply Division

Texas Commission on Environmental Quality

Vera Poe, P.E., Team Leader

Plan Review Team

Plan and Technical Review Section

Water Supply Division

Texas Commission on Environmental Quality

VP/CAS/pg/db

Enclosure: "Public Well Completion Data Checklist for Interim Approval (Step 2)"

cc: Monterrey Oaks, Attn: Tom A. Martin, President, P.O. Box 603, Porter, TX 77365-0603

ATTACHMENT "J"

OTHER SYSTEM MOST RECENT INSPECTION REPORTS

CRYSTAL SPRINGS WATER CO., INC.

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Richard A. Hyde, P.E., Executive Director



Ver first

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 8, 2015

Mr. Tom A. Martin, President Crystal Springs Water Company, Inc. P.O. Box 603 Porter, Texas 77365-0003

Re: Notice of Compliance with Notice of Violation (NOV) dated January 14, 2015:

1485 Limited Crystal Springs Water Co , 2.5 miles west of Highway 59 on FM 1485.

New Caney, Montgomery County, Texas

Regulated Entity No.: 102682513

TCEQ ID No.: 1700580 Investigation No.: 1260992

Dear Mr. Martin:

On June 22, 2015, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office received adequate compliance documentation to resolve the alleged violation documented during the investigation of the above-referenced regulated entity conducted on July 24, 2014 Based on the information submitted, no further action is required concerning this investigation.

The Texas Commission on Environmental Quality appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions, please feel free to contact Ms. Leticia DeLeon, in the Houston Region Office at (713) 767-3655.

Sincerely.

Leticia De Leon, Team Leader

Public Water Supply Houston Region Office

LD/KB/mar

Enclosure: Summary of Investigation Findings

cc: Montgomery County Environmental Health Services

1485 CRYSTAL SPRINGS WATER

Investigation #

1260922 Investigation Date: 06/30/2015

, MONTGOMERY COUNTY.

Additional ID(s): 1700580

ALLEGED VIOLATION(S) NOTED AND RESOLVED

Track No: 547366

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation 1184786

Comment Date 09/03/2014

Testing Equipment

Failure by the regulated entity to calibrate the well meter required by 30 TAC 290 41(c)(3)(N) according to the manufacturer's specifications at least once every three years. Specifically, a well meter calibration certificate was not provided during the investigation.

Investigation: 1217006

Comment Date: 01/09/2015

Failure by the regulated entity to calibrate the well meter required by 30 TAC 290.41(c)(3)(N) according to the manufacturer's specifications at least once every three years.

To date, this violation is unresolved

Investigation: 1260922

Comment Date: 06/30/2015

Failure by the regulated entity to calibrate the well meter required by 30 TAC 290 41(c)(3)(N) according to the manufacturer's specifications at least once every three years.

To date, this violation is unresolved.

Recommended Corrective Action: Submit documentation indicating that the well meter has been calibrated according to the manufacturer's specifications within the past three years to verify compliance

Resolution: On 06/22/15, the system submitted a work order and photographs indicating that the well meter had been replaced. The system is now in compliance

Bryan W. Shaw, Ph.D. P.E. Chairman Toliv Baker, Commissioner Zak Cor at Commissioner Richard A. Hyde P.E. Livecutive One Com

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting teams by Resembly as the

Pollide is

March 19, 2015

CERTIFIED MAIL #7013 3020 0000 9763 0881 RETURN RECEIPT REQUESTED

Mr. Tom A. Martin, President Crystal Springs Water Co., Inc. PO Box 603 Porter, Texas 77365-0603

Re:

Notice of Violation for the Comprehensive Compliance Investigation at: Afton Park Water System, on south side of Park Dr., Montgomery County, Texas Regulated Entity No.: 101203834, TCEQ ID No.: 1700147, Investigation No.: 1221531

Dear Mr. Martin:

On January 20, 2015, Ms. Christina Bernal of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for Public Water Supply. Enclosed is a summary which lists the investigation findings. During the investigation, a concern was noted which was an alleged noncompliance that has been resolved based on subsequent corrective action. Information has been provided which appears to indicate that this outstanding problem has been corrected. Please be advised that a violation could be issued upon further review of your system's records or self-reported documentation. No further response from you is necessary concerning this investigation.

The TCEQ appreciates your assistance in this matter. If you or members of your staff have any questions, please feel free to contact Ms. Christina Bernal in the Houston Region Office at (713) 767-3650

Sincerely,

Leticia De Leon, Team Leader

Public Water Supply Houston Region Office

LD/CB/ra

cc. Montgomery County Environmental Health Services

Euclosure: Summary of Investigation Findings

AFTON PARK WATER SYSTEM

Investigation #

1221531 Investigation Date: 01/20/2015

, MONTGOMERY COUNTY.

Additional ID(s): 1700147

ALLEGED VIOLATION(S) NOTED AND RESOLVED ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 563273

30 TAC Chapter 290.45(b)(1)(A)(i)

Alleged Violation:

Investigation 1221531

Comment Date 03/18/2015

Capacity Requirement

Failure to provide a minimum well capacity of 1.5 gallons per minute per connection

At the time of the inspection the facility had a total of 27 active connections and is required to provide 1.5 gallons per minute (gpm) per connection (conn). Your well produced a total of 38 gpm and is short a total of 2.5 gpm. This is calculated in the following manner.

(Required Calculation) the amount of water a system is required to provide 1.5 gpm /conn. X. 27 conn. = 40.5 gpm Required

(Short Calculation) the amount of water the system is short 40.5 gpm Required - 38 gpm Produced = 2.5 gpm Short, 6%

Your water system must be modified to meet this requirement to assure an adequate supply of water at all times.

Please be advised that public water systems shall notify the executive director prior to making any significant change or addition to the system's production, treatment, storage, or distribution facilities. Public water systems shall submit plans and specifications for the proposed changes upon request

The water system may request an exception to these requirements by writing to TCEQ, Water Supply Division, Public Drinking Water Section, Technical Review & Oversight, MC 159, P.O. Box 13087, Austin, TX 78711-3087, phone: (512) 239-4691.

At the time of the compliance investigation, the well was timed at 38 GPM. During previous compliance investigations in 2008 and 2011, the well was timed at 53 GPM and 56 GPM, respectively. Mr. Larry Purcell of Crystal Springs Water Company, Inc., informed the investigator during a phone conversation on March 4, 2015, that a bleed downfiole was suspected as a cause of the decreased capacity. The company was planning to have the well checked and repaired as necessary. An exact date for this work was not available at the time

Recommended Corrective Action: Submit a copy of a work order, invoice, receipt, or photo showing that the well is capable of producing at least 40.5 GPM to verify compliance

Otherwise, submit a compliance plan, engineering report or certification OR a copy of a letter requesting an exception in addition to a compliance plan for final compliance. OR a copy of a letter granting an exception to verify compliance.

Resolution: On March 12, 2015, the investigator received via fax a copy of a repair summary stating that the hole had been located and the affected piping had been replaced the day before. March 11. The well was then timed at 60 to 65 gallons per minute. This is more than sufficient capacity to serve all connections in the water system.

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Jon Niermann, Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 8, 2015

CERTIFIED MAIL #7013 3020 0000 9763 1604 RETURN RECEIPT REQUESTED

Mr. Tom Martin, CEO Crystal Springs Water Co Inc. PO Box 603 Porter, Texas 77365-0603

Re: Acceptance of a Compliance Plan for:

Autumn Acres Water System, 22888 Hughey Avenue, New Caney, Montgomery Co., TX Regulated Entity No.: 104730312, TCEQ ID No.: 1700756, Investigation No.: 1295176

Dear Mr. Martin:

The Texas Commission on Environmental Quality (TCEQ) Houston Region Office has completed a review of the compliance plan and any additional information that you submitted on September 29, 2015, to resolve the alleged violation #580384. This alleged violation was noted during the investigation of the above-referenced facility conducted on July 23, 2015. The compliance plan appears to identify the necessary corrective action for the alleged violation. We will monitor your progress in implementing the corrective action. Please submit to this office a written description of corrective action taken and the required documentation demonstrating that compliance has been achieved the outstanding alleged violation by May 15, 2016, demonstrating that the alleged violation has been resolved. Please be advised that if we determine, during follow-up monitoring, that you are not working towards compliance or the problem has escalated, further enforcement action will be considered.

The Texas Commission on Environmental Quality appreciates your assistance in this matter and anticipates that you will resolve the alleged violation as required in order to protect the State's environment. If you or members of your staff have any questions, please feel free to contact Ms. Olivo in the Houston Region Office at (713) 767-3650.

Sincerely,

dulta Thorp, Team Leader Public Water Supply Houston Region Office

JT/DO/ra

cc: Montgomery County Environmental Health Services

Enclosure: Summary of Investigation Findings

AUTUMN ACRES WATER SYSTEM

Investigation #

1295176 Investigation Date: 11/30/2015

, MONTGOMERY COUNTY,

Additional ID(s): 1700756

Track No: 580384 (

Compliance Due Date: 05/15/2016

30 TAC Chapter 290.45(b)(1)(C)(i)

Alleged Violation:

Investigation 1252612

Comment Date 08/13/2015

Capacity Requirement

Failure to provide minimum well capacity of 1.5 gallons per minute per connection

At the time of the inspection the facility had a total of 43 active connections and is required to provide 1.5 gallons per minute (gpm) per connection (conn). Your well produced a total of 52 gpm and is short a total of 12.5 gpm. This is calculated in the following manner.

(Required Calculation) the amount of water a system is required to provide 1.5 gpm /conn X 43 conn = 64.5 gpm Required

(Short Calculation) the amount of water the system is short 64.5 gpm Required - 52 gpm Produced = 12.5 gpm Short

Your water system must be modified to meet this requirement to assure an adequate supply of water at all times

Please be advised that public water systems shall notify the executive director prior to making any significant change or addition to the system's production. It reatment, storage, or distribution facilities. Public water systems shall submit plans and specifications for the proposed changes upon request.

The water system may request an exception to these requirements by writing to TCEQ, Water Supply Division, Public Drinking Water Section Technical Review & Oversight, MC 159, P.O. Box 13087, Austin, TX 78711-3087, phone (512) 239 4691
Investigation 1295176 Comment Date 12/01/2015

Capacity Requirement

Failure to provide minimum well capacity of 1.5 gallons per minute per connection

At the time of the inspection the facility had a total of 43 active connections and is required to provide 1.5 gallons per minute (gpm) per connection (conn). Your well produced a total of 52 gpm. This is calculated in the following manner.

(Required Calculation) the amount of water a system is required to provide 1.5 gpin /conn X 43 conn = 64.5 gpm Required

(Short Calculation) the amount of water the system is short 64.5 gpm Required - 52 gpm Produced = 12.5 gpm Short

Your water system must be modified to meet this requirement to assure an adequate supply of water at all times.

Please be advised that public water systems shall notify the executive director prior to making any significant change or addition to the system's production, treatment, storage, or

Bryan W. Shaw, Ph D., P E., *Chairman* Toby Baker, *Commissioner* Richard A. Hyde, P E., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 21, 2015

CERTIFIED MAIL # 7014 3490 0001 0559 6226 RETURN RECEIPT REQUESTED

Mr. Tom Martin, President Crystal Springs Water Co Inc PO Box 603 Porter, Texas 77365-0603

Re: Notice of Violation for the Comprehensive Compliance Investigation at:

Autumn Acres Water System, 22888 Hughey Avenue, New Caney, Montgomery County,

l'exas

Regulated Entity No.: 104730312

TCEQ ID No.: 1700756 Investigation No.: 1252612

Dear Mr. Martin:

On July 23, 2015, Ms. Dawn Olivo, of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office, conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for Public Water Supply Enclosed is a summary which lists the investigation findings. During the investigation, a certain outstanding alleged violation was identified for which compliance documentation is required. A due date for submitting compliance documentation for outstanding alleged violation #580384 will be determined after you provide a compliance plan for this alleged violation. Your compliance plan is due by November 27, 2015. Please address how the violation will be resolved and provide a reasonable time trame for completion of the work.

In the listing of the alleged violations, we have cited applicable requirements, including TCEQ rules. Please note that both the rules themselves and the agency brochure entitled *Obtaining TCEQ Rules* (GI 032) are located on our agency website at http://www.tceq.texas.gov for you reference. If you would like a hard copy of this brochure mailed to you, you may call and request one from either the Houston Region Office at (713) 767-3650 or the Central Office Publications Ordering Feam at (512) 239-0028.

The TCEQ appreciates your assistance in this matter. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. We anticipate that you will resolve the alleged violations as required in order to protect the State's environment. If you have additional information that we are unaware of, you have the opportunity to contest the violations documented in this notice. Should you choose to do so, you must notify the Houston Region

Mr. Tom Martin, President August 21, 2015 Page 2

Office within 10 days from the date of this letter. At that time, PWS Team Leader Ms. Julia Thorp, will schedule a violation review meeting to be conducted within 21 days from the date of this letter

However, please be advised that if you decide to participate in the violation review process, the TCEQ may still require you to adhere to the compliance schedule included in the attached Summary of Investigation Findings until an official decision is made regarding the status of the contested violation.

If you or members of your staff have any questions, please feel free to contact Ms. Olivo, in the Houston Region Office at (713) 767-3650.

Sincerely,
(ATILO TOUR?

Julia Thorp, Team Leader

Public Water Supply Houston Region Office

JT/DBO/mar

Enclosure: Summary of Investigation Findings

cc: Montgomery County Environmental Health Services

AUTUMN ACRES WATER SYSTEM

Investigation #

1252612 Investigation Date: 07/23/2015

, MONTGOMERY COUNTY,

Additional ID(s): 1700756

OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 580384 Compliance Due Date: To Be Determined

30 TAC Chapter 290.45(b)(1)(C)(i)

Alleged Violation:

Investigation 1252612

Comment Date 08/13/2015

Capacity Requirement

Failure to provide minimum well capacity of 1.5 gallons per minute per connection

At the time of the inspection the facility had a total of 43 active connections and is required to provide 1.5 gallons per minute (gpm) per connection (conn). Your well produced a total of 52 gpm and is short a total of 12.5 gpm. This is calculated in the following manner.

(Required Calculation) the amount of water a system is required to provide 1.5 gpm /conn X 43 conn. = 64.5 gpm Required

(Short Calculation) the amount of water the system is short 64.5 gpm Required - 52 gpm Produced = 12.5 gpm Short

Your water system must be modified to meet this requirement to assure an adequate supply of water at all times.

Please be advised that public water systems shall notify the executive director prior to making any significant change or addition to the system's production, treatment, storage, or distribution facilities. Public water systems shall submit plans and specifications for the proposed changes upon request.

The water system may request an exception to these requirements by writing to TCEQ, Water Supply Division, Public Drinking Water Section, Technical Review & Oversight, MC 159, P O Box 13087, Austin, TX 78711-3087, phone. (512) 239-4691.

Recommended Corrective Action: Submit a compliance plan, engineering report or certification OR a copy of a letter requesting an exception in addition to a compliance plan for final compliance, OR a copy of a letter granting an exception to verify compliance

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Jon Niermann, Commissioner Richard A. Hyde, P.E., Executive Director





TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 28, 2015

Mr. Tom A. Martin, President Crystal Springs Water Company, Inc. PO Box 603 Porter, Texas 77365-0603

Re:

Comprehensive Compliance Investigation at:

Bennett Woods, on Bennett Woods Rd., Montgomery County, Texas

Regulated Entity No.: 102684636, TCEQ ID No.: 1700290, Investigation No.: 1281931

Dear Mr. Martin:

On September 30, 2015, Ms. Christina Bernal of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with the applicable requirements for public water supply systems. No violations are being alleged as a result of the investigation. In addition, please be advised that a violation could be issued upon further review of your system's records or self-reported documentation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Christina Bernal in the Houston Region Office at (713) 767-3650.

Sincerely,

Julia Thorp, Team Leader Public Water Supply

Houston Region Office

JT/CB/ra

ec: Montgomery County Environmental Health Services

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Richard A. Hyde, P.E., Evecutive Director



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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 4, 2015

Mr. Toni Martin, President Crystal Springs Water Co. Inc. P O Box 603 Porter, Texas 77356-0603

Re: Comprehensive Compliance Investigation at:

Chaparral Place Water System, Off Loop 494, Porter, Montgomery Co., Texas

Regulated Entity No: 102683398

TCEQ ID No.: 1700434 Investigation No.: 1253333

Dear Mr. Martin:

On July 08, 2015, Ms. Alethea Seals, of the Texas Commission on Environmental Quality (TCEQ), Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with applicable requirements for public water supply systems. No violations were documented during the investigation. Please be aware that additional violations may be documented based upon further review of records or self-reporting. At this time, your public water supply continues to merit recognition as a Superior system.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Seals, in the Houston Region Office at (713)767-3595.

Sincerely,

Leticia De Leon, Team Leader Public Water Supply Houston Region Office

LD/AS/mar

Biyan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 14, 2015

Mr. Tom A. Martin, President Crystal Springs Water Co Inc. PO Box 603 Porter, Texas 77365-0603

Re: Comprehensive Compliance Investigation at:

Crystal Springs Water Country West, 14785B Old Houston Road, Conroe, Montgomery

County, Texas

Regulated Entity No.: 102692324, TCEQ ID No.: 1700435, Investigation No.: 1252577

Dear Mr. Martin:

On July 23, 2015, Ms. Dawn Olivo, of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office, conducted an investigation of the above-referenced facility to evaluate compliance with the applicable requirements for public water supply systems. No violations are being alleged as a result of the investigation. In addition, please be advised that a violation could be issued upon further review of your system's records or self-reported documentation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Olivo in the Houston Region Office at (713) 767-3650.

Sincerely,

Julia Thorp, Team Leader Public Water Supply

Houston Region Office

JT/DBO/ra

Montgomery County Environmental Health Services

Bryan W. Shaw Ph D, P E., Chairman Toby Baker, Commissioner Zak Covar, Commissioner Richard A. Hyde, P E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 6, 2014

Mr. Tom Martin, President Crystal Springs Water Company, Inc. P. O. Box 603 Porter, Texas 77356-0603

Re: Compliance Evaluation Investigation at:

Crystal Springs Water Company Chasewood, FM 2854, Montgomery County,

Texas

TCEQ ID No. 1700622 Regulated Entity No.: 102692068

Investigation No. 1163667

Dear Mr. Martin:

On March 27, 2014, Ms. Elaine Jackson of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with the applicable requirements for public water supply systems. No violations are being alleged as a result of the investigation. In addition, please be advised that a violation could be issued upon further review of your system's records or self-reported documentation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Elaine Jackson in the Houston Region Office at (713)767-3650.

Sincerely,

Leticia De Leon, Team Leader

Public Water Supply Houston Region Office

LD/ej/kc

cc: Montgomery County Environmental Health Services

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Jon Niermann, Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 16, 2016

Tom A. Martin, President Crystal Springs Water Co., Inc. PO Box 603 Porter, Texas 77365-0603

Re:

Complaint Investigation at:

Deer Glen Water System, 20344 Lowe Lane, Porter, Montgomery County, Texas

Regulated Entity No.: 102672029

TCEQ ID No.: 1700322

Investigation No.: 1323035

Dear Mr. Martin:

On March 28, 2016 through April 25, 2016, Mr. Vernon Crandle of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with the applicable requirements for public water supply systems. No violations are being alleged as a result of the investigation. In addition, please be advised that a violation could be issued upon further review of your system's records or self-reported documentation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Crandle, in the Houston Region Office at (713) 767-3727.

Sincerely,

Halia Thorp, Team Leader Public Water Supply Houston Region Office

JT/VC/mar

cc:

Montgomery County Environmental Health Services

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TEXAS COMMISSION OF EXCHOUGH MENT OF ALTH

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April 30, 2015

Mr. Tom Martin., President Crystal Springs Water Company Inc. PO Box 603 Porter, Texas 77365-0003

Re. Comprehensive Compliance Investigation at: Emeraldwoods, #18 Ranch Road, Huntsville, Walker County, Texas Regulated Entity No.: 102685328, TCEQ ID No.: 2360044, Investigation No.:1228935

Dear Mr. Martin:

On March 03, 2015, Ms. Valerie Burkett, of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with the applicable requirements for public water supply systems. No violations are being alleged as a result of the investigation; however, please see the attached Areas of Concern. In addition, please be advised that a violation could be issued upon further review of your system's records or self-reported documentation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Burkett, in the Houston Region Office at (713) 767-3650.

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Leticia De Leon, feam Leader

Public Water Supply Houston Region Office

LD/VB/mai

Enclosure: Summary of Findings

EMERALDWOODS

Investigation #

1228935 Investigation Date: 03/03/2015

, WALKER COUNTY.

Additional ID(s): 2360044

AREA OF CONCERN

Track No: 567260

30 TAC Chapter 290.41(c)(3)(K)

Alleged Violation:

Investigation 1228935

Comment Date 04/13/2015

Failure to repair the cracked concrete sealing block surrounding Well Number 1 using a flexible, nontoxic, waterproof compound or with a properly constructed and installed sealing block

Specifically, the concrete sealing block surrounding well 1 at Plant 1 was cracked.

Recommended Corrective Action: Submit a photograph or completed work order showing that the crack has been repaired to verify compliance

Resolution: On 3/16/2015, the regulated entity took a photograph of the repaired sealing block and text messaged it to the investigator

Track No: 567262

30 TAC Chapter 290.41(c)(3)(M)

Alleged Violation:

Investigation 1228935

Comment Date 04/13/2015

Failure to provide a suitable sampling tap on each well discharge to facilitate the collection of samples for chemical and bacteriological analysis directly from the well. This tap must be installed prior to any treatment.

Specifically, the sample tap on the well at plant 2 was after the chlorine injection point

Recommended Corrective Action: Submit a photograph or completed work order showing that a sampling tap has been installed on the well at plant 2 prior to treatment to verify compliance

Resolution. On 3/16/2015, the regulated entity took a photograph of the sample tap installed prior to treatment and text messaged it to the investigator

Track No: 567270

30 TAC Chapter 290.43(d)(3)

Alleged Violation:

Investigation: 1228935

Comment Date 04/13/2015

Failure to equip the pressure tanks with a capacity greater than 1000 gallons with some sanitary means of determining the air-to-water ratio. Galvanized tanks which are not provided with the necessary fittings and which were installed before July 1, 1988, shall be exempt from this requirement.

Specifically, the pressure tank at Plant 2 did not have a sight glass. The tank was 2500 gallons and had the necessary fittings.

Recommended Corrective Action: Submit a photograph or completed work order showing

Summary of Investigation Findings

Bryan W Shaw, Ph.D., P E , Chairman Toby Baker, Commissioner Richard A. Hyde, P.E , Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 11, 2015

Mr. Tom Martin, President Lake Creek Falls PO Box 603 Porter, Texas 77365

Re: Comprehensive Compliance Investigation at.

Lake Creek Falls, 13535 Park Avenue, Conroe, Montgomery County, Texas

Regulated Entity No.. 103017869

TCEQ ID No.: 1700719 Investigation No.: 1241832

Dear Mr. Martin:

On July 8, 2015, Ms. Maggie Wright, of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with the applicable requirements for public water supply systems. No violations are being alleged as a result of the investigation. In addition, please be advised that a violation could be issued upon further review of your system's records or self-reported documentation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Wright, in the Houston Region Office at (713) 767-3650.

Sincerely,

Leticia De Leon, Team Leader Public Water Supply Houston Region Office

LD/MW/mar

. Montgomery County Environmental Health Services

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Richard A. Hyde, P.E., Executive Director



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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

August 4, 2015

Mr. Tom Martin, President Crystal Springs Water Co. Inc P O Box 603 Porter, Texas 77356-0603

Re: Comprehensive Compliance Investigation at:

Lake Louise Subdivision, 15851 Lakewood Dr., Montgomery Co., Texas

Regulated Entity No.: 102682861

TCEQ ID No.: 1700184 Investigation No.: 1253362

Dear Mr. Martin:

On July 08, 2015, Ms. Alethea Seals, of the Texas Commission on Environmental Quality (TCEQ), Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with applicable requirements for public water supply systems. No violations were documented during the investigation. Please be aware that additional violations may be documented based upon further review of records or self-reporting. At this time, your public water supply continues to merit recognition as a Superior system.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Scals, in the Houston Region Office at (713) 767-3595.

Sincerely,

Leticia De Leon, Team Leader Public Water Supply Houston Region Office

LD/AS/mar

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Jon Niermann, Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 13, 2016

Mr. Tom A. Martin, President Crystal Springs Water Company Inc. PO Box 603 Porter, Texas 77365-0603

Re:

Notice of Compliance with Notice of Violation (NOV) dated February 16, 2016: Live Oak Estates, FM 1314 Live Oak Dr., Porter, Montgomery County, Texas Regulated Entity No.: 102673456, TCEQ ID No.: 1700198, Investigation No. 1324425

Dear Mr. Martin:

On April 1, 2016, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office received adequate compliance documentation to resolve the alleged violations documented during the investigation of the above-referenced regulated entity conducted on December 22, 2015. Based on the information submitted, no further action is required concerning this investigation.

The Texas Commission on Environmental Quality appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions, please feel free to contact Ms. Maggie Wright in the Houston Region Office at (713) 767-3650.

Sincerely,

Latrichia Spikes, Team Leader

Public Water Supply Houston Region Office

LS/MW/ra

Enclosure: Summary of Investigation Findings

cc: Montgomery County Environmental Health Services

LIVE OAK ESTATES

Investigation #

1324425 Investigation Date: 04/11/2016

, MONTGOMERY COUNTY,

Additional ID(s): 1700198

ALLEGED VIOLATION(S) NOTED AND RESOLVED

Track No: 593834

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation: 1295349

Comment Date, 01/25/2016

Testing Equipment

Failure by the regulated entity to calibrate the well meters required by 30 TAC 290.41(c)(3)(N) according to the manufacturer's specifications at least once every three years.

At the time of the investigation, the operator did not provide a copy of the well meters calibration reports for the investigator to review

Investigation 1324425

Comment Date: 04/11/2016

Testing Equipment

Failure by the regulated entity to calibrate the well meters required by 30 TAC 290.41(c)(3)(N) according to the manufacturer's specifications at least once every three years.

At the time of the investigation, the operator did not provide a copy of the well meters calibration reports for the investigator to review

Recommended Corrective Action: Submit a copy of the current well meters calibration reports to verify compliance.

Resolution: April 1, 2016 received by mail a copy of the invoice for the new meter.

Track No: 593835

30 TAC Chapter 290.121(a)

Alleged Violation:

Investigation: 1295349

Comment Date: 02/04/2016

Monitoring Plan

Failure to develop and maintain an up to date system monitoring plan. The plan shall identify all bacteriological and chemical locations, describe the sampling frequency, and specify the analytical procedures and laboratories to be used to comply with monitoring requirements. The completed plan must be retained at each water plant, and made available for review during succeeding investigations.

At the time of investigation, the monitoring plan needed to be updated.

Investigation: 1324425 Comment Date: 04/11/2016

Monitoring Plan

Failure to develop and maintain an up to date system monitoring plan. The plan shall identify all bacteriological and chemical locations, describe the sampling frequency, and specify the analytical procedures and laboratories to be used to comply with monitoring requirements. The completed plan must be retained at each water plant, and made available for review during succeeding investigations.

At the time of investigation, the monitoring plan needed to be updated.

Recommended Corrective Action: Submit a letter certifying that a system monitoring plan has been completed OR a copy of the Monitoring Plan to verify compliance.

Resolution: April 1, 2016 received by mail a copy of the updated monitoring plan



March 28, 2016

Latrichia Spikes Team Leader, Public Water Supply Houston Region, TCEQ 5425 Polk St. Suite H Houston, Jevas 77023-1452

RELive Oak Estates, ID 1700198

Investigation 1295349

Latrichia,

We appreciate the visit from Ms. Maggie Wright, meeting with Larry Purcell, our President/General Manager, to inspect our Live Oak System from Dec. 22, 2015 till Ian. 11. 2016 were notes modelled !

Listed below is our corrective action:

Item 1 Well meter calibration

Attached are current well meters calibrations

Item 2 - Monitoring Plan

Attached is a copy of our current monitoring plan.

It was in the book at time of inspection

Item 3 Design and Construction - Storage Tank

As your letter noted, copies of the ground storage inspection reports

were submitted by email on 1/1/16

Item 1 Design and Construction Pressure Lank

As your letter notes, copies of the pressure tank inspection reports were lemailed

on 1/11/16

This system is now fully in compliance

Sincerely.

Tom A Martin, CLO

Cisstal Springs Water Co., Inc.

Bryon W. Shaw, Ph D., P.E., Charman Foby Baker, Commissioner Jon Nictwann Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 16, 2016

CERTIFIED MAIL #7013 3020 0000 9763 8603 RETURN RECEIPT REQUESTED

Mr. Tom A. Martin, President Crystal Springs Water Company Inc. PO Box 603 Porter, Texas 77365-0603

Re: Notice of Violation for the Comprehensive Compliance Investigation at:

Live Oak Estates, FM 1314 Live Oak Dr., Porter, Montgomery County, Texas

Regulated Entity No.: 102673456, TCEQ ID No.: 1700198 Investigation No.: 1295349

Dear Mr. Martin:

On December 22, 2015 - January 11, 2016, Ms. Maggie Wright of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office conducted an investigation of the above-referenced facility to evaluate compliance with the applicable requirements for public water supply systems. Enclosed is a summary which lists the investigation findings. During the investigation, certain outstanding alleged violations were identified for which compliance documentation is required. Please submit to this office by May 13, 2016, a written description of corrective action taken and the required documentation demonstrating that compliance has been achieved for each of the outstanding alleged violations. Please be advised that a violation could be issued upon further review of your system's records or self-reported documentation.

In the listing of the alleged violations, we have cited applicable requirements, including TCEQ rules. Please note that both the rules themselves and the agency brochure entitled *Obtaining TCEQ Rules* (GI 032) are located on our agency website at http://www.tceq.texas.gov for your reference. If you would like a hard copy of this brochure mailed to you, you may call and request one from either the Houston Region Office at (713) 767-3650 or the Central Office Publications Ordering Team at (512) 239-0028.

The TCEQ appreciates your assistance in this matter. Please note that the Legislature has granted TCEQ enforcement powers which we may exercise to ensure compliance with environmental regulatory requirements. We anticipate that you will resolve the alleged violations as required in order to protect the State's environment. If you have additional information that we are unaware of, you have the opportunity to contest the violations documented in this notice. Should you choose to do so, you must notify the Houston Region Office within 10 days from the date of this letter. At that time, PWS Team Leader Ms, Latrichia Spikes, will schedule a violation review meeting to be conducted within 21 days from the date of this letter.

Mr. Tom A. Martin, President Page 2 February 16, 2016

If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Maggie Wright in the Houston Region Office at (713) 767-3650.

Sincerely,

Latrichia Spikes, Team Leader

Public Water Supply Houston Region Office

LS/MW/ra

ce: Montgomery County Environmental Health Services

Enclosure: Summary of Investigation Findings

LIVE OAK ESTATES

1295349 Investigation Date: 12/22/2015

. MONTGOMERY COUNTY.

Additional ID(s): 1700198

OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 593834

Compliance Due Date: 05/13/2016

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation: 1295349

Comment Date 01/25/2016

Testing Equipment

Failure by the regulated entity to calibrate the well meters required by 30 TAC 290 41(c)(3)(N) according to the manufacturer's specifications at least once every three years

At the time of the investigation, the operator did not provide a copy of the well meters

Recommended Corrective Action: Submit a copy of the current well meters calibration: reports to verify compliance.

Frack No: 593835 Compliance Due Date: 03/14/2016

Track No: 593835

30 TAC Chapter 290.121(a)

Alleged Violation:

Investigation, 1295349

Comment Date 02/04/2016

Monitoring Plan

Failure to develop and maintain an up to date system monitoring plan. The plan shall identify all bacteriological and chemical locations, describe the sampling frequency, and specify the analytical procedures and laboratories to be used to comply with monitoring requirements The completed plan must be retained at each water plant, and made available for review during succeeding investigations

At the time of investigation, the monitoring plan needed to be updated

Recommended Corrective Action: Submit a letter certifying that a system monitoring plan has been completed OR a copy of the Monitoring Plan to verify compliance.

> ALLEGED VIOLATION(S) NOTED AND RESOLVED ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 593826

30 TAC Chapter 290.46(f)(3)(D)(ii) 30 TAC Chapter 290.46(m)(1)(A)

Alleged Violation:

Investigation 1295349

Comment Date 02/04/2016

Design and Construction of Storage Tanks

Failure to conduct an inspection of the ground storage tanks at least annually, to determine that the vents are in place and properly screened, the roof hatches closed and locked, flap valves and gaskets provide adequate protection against insects irodents, and other vermin

Summary of Investigation Findings

and that the interior and exterior coating systems are continuing to provide adequate protection to all metal surfaces, and that the tank remains in a watertight condition

Records

Failure to maintain and record the results of these inspections for at least five years. The records must be available for review by Commission staff during annual sanitary surveys of the system.

At the time of the investigation, the operator did not provide a copy of the current internal or external ground storage tank inspection reports for the investigator to review

Recommended Corrective Action: Submit a copy of the current internal and external ground storage tank inspection reports to verify compliance.

Resolution: Copies of the ground storage tank inspection reports were submitted by email on January 11, 2016

4

Track No: 593833

30 TAC Chapter 290.46(f)(3)(D)(ii) 30 TAC Chapter 290.46(m)(1)(B)

Alleged Violation:

Investigation: 1295349

Comment Date. 02/04/2016

Design and Construction of Pressure Tanks

Failure to conduct an inspection of the pressure tanks annually, to determine that the pressure release device and pressure gauge are working properly, the air-water ratio is being maintained at the proper level, the exterior coating systems are continuing to provide adequate protection to all metal surfaces, and that the tank remains in a watertight condition Pressure tanks provided with an inspection port must have the interior surface inspected every five years

Design and Construction of Pressure Tanks

Failure to record and maintain the results of pressure tank inspections for a minimum of five years. The records must be available for review by Commission staff during annual sanitary surveys of the system.

At the time of the investigation, the operator did not provide a copy of the current internal or external pressure tank inspection reports for the investigator to review

Recommended Corrective Action: Submit a copy of the current internal and external pressure tank inspection reports to verify compliance

Resolution: Copies of the pressure tank inspection reports were submitted by email on January 11, 2016.



Summary of Investigation Findings

LIVE OAK ESTATES

Investigation #

1295349 Investigation Date: 12/22/2015

, MONTGOMERY COUNTY,

Additional ID(s): 1700198

OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 593834

Compliance Due Date: 05/13/2016

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation 1295349

Comment Date 01/25/2016

Testing Equipment

Failure by the regulated entity to calibrate the well meters required by 30 TAC 290.41(c)(3)(N) according to the manufacturer's specifications at least once every three years.

At the time of the investigation, the operator did not provide a copy of the well meters calibration reports for the investigator to review.

Recommended Corrective Action: Submit a copy of the current well meters calibration reports to verify compliance

Track No: 593835

Compliance Due Date: 03/14/2016

30 TAC Chapter 290.121(a)

Alleged Violation:

Investigation: 1295349

Comment Date: 02/04/2016

Monitoring Plan

Failure to develop and maintain an up to date system monitoring plan. The plan shall identify all bacteriological and chemical locations, describe the sampling frequency, and specify the analytical procedures and laboratories to be used to comply with monitoring requirements. The completed plan must be retained at each water plant, and made available for review during succeeding investigations.

At the time of investigation, the monitoring plan needed to be updated.

Recommended Corrective Action: Submit a letter certifying that a system monitoring plan has been completed OR a copy of the Monitoring Plan to verify compliance

ALLEGED VIOLATION(S) NOTED AND RESOLVED ASSOCIATE TO A NOTICE OF VIOL T ON

Track No: 593826

30 TAC Chapter 290.46(f)(3)(D)(ii) 30 TAC Chapter 290.46(m)(1)(A)

Alleged Violation:

Investigation 1295349

Comment Date: 02/04/2016

Design and Construction of Storage Tanks

Failure to conduct an inspection of the ground storage tanks at least annually, to determine that the vents are in place and properly screened, the roof hatches closed and locked, flap valves and gaskets provide adequate protection against insects, rodents, and other vermin,

Summary of Investigation Findings

LIVE OAK ESTATES

Investigation #

1295349 Investigation Date: 12/22/2015

, MONTGOMERY COUNTY,

Additional ID(s): 1700198

OUTSTANDING ALLEGED VIOLATION(S) ASSOCIATED TO A NOTICE OF VIOLATION

Track No: 593834

Compliance Due Date: 05/13/2016

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation: 1295349

Comment Date: 01/25/2016

Testing Equipment

Failure by the regulated entity to calibrate the well meters required by 30 TAC 290.41(c)(3)(N) according to the manufacturer's specifications at least once every three years

At the time of the investigation, the operator did not provide a copy of the well meters calibration reports for the investigator to review.

Recommended Corrective Action: Submit a copy of the current well meters calibration reports to verify compliance.

Track No: 593835

Compliance Due Date: 03/14/2016

30 TAC Chapter 290.121(a)

Alleged Violation:

Investigation: 1295349

Comment Date: 02/04/2016

Monitoring Plan

Failure to develop and maintain an up to date system monitoring plan. The plan shall identify all bacteriological and chemical locations, describe the sampling frequency, and specify the analytical procedures and laboratories to be used to comply with monitoring requirements. The completed plan must be retained at each water plant, and made available for review during succeeding investigations.

At the time of investigation, the monitoring plan needed to be updated.

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ALLEGED VIOLATION ST NOTED AND RESO VED. ASSOCIATED O A NOTICE OF VIOLATION

Track No: 593826

30 TAC Chapter 290.46(f)(3)(D)(ii) 30 TAC Chapter 290.46(m)(1)(A)

Alleged Violation:

Investigation 1295349

Comment Date 02/04/2016

Design and Construction of Storage Tanks

Failure to conduct an inspection of the ground storage tanks at least annually, to determine that the vents are in place and properly screened, the roof hatches closed and locked, flap valves and gaskets provide adequate protection against insects, rodents, and other vermin,

MONITORING PLAN TEMPLATE FOR A GROUNDWATER SYSTEM

Monitoring Plan For				
Name of System: LIVE O	AK EST.			
Date of Monitoring Plan	March 19, 20	14		
PWS ID#:1700198				
Responsible Official: LAF				
Water Supply Contact Nan				
-				
Mailing Address: PO BOX	603 Porter Texa	s 77365		
(system includes 2groundw	ater wells and 2	entry points. The water system serves		
128metered connections		• •		

A. RAW WATER SAMPLING ()

We / are not required to collect raw water samples.

B. IN - PLANT SAMPLING

Our treatment is chlorination / PO4 LMI CHEMICAL FEED PUMPS@ 5 GAL PER DAY RATEING PER WELL

We use hypoclorite / chlorine to disinfect the water.

C. ENTRY POINT SAMPLING

Entry Point	Sample Site	Source	Plant Name
EP001-	Sample tap on WELL HEADER	Gulf Coast Aquifer	WELLI
EP002	Sample tap on Well Header	Gulf Coast	Well 2
		AND	

1. Disinfectant Entering the Distribution System

System Name:LIVE OAK EST. PWS 1D:1700198

Our system uses free chlorine in the distribution system.

- a. Frequency: Disinfectant residual is measured once week.
- b. Location: The residual for the entry point is measured at the sample tap on the Pressure Line entering the tank .c. Chlorine is measured using a colorimeter / DPD; Hach Pocket colorimeter.
 - d. <u>Compliance calculations</u>: The system is in compliance if the free chlorine residual entering the distribution system is over 0.22 mg / L.

2. Organic Chemicals, Inorganic Chemicals, and Radiochemical

- a. <u>Frequency</u>: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in the sampling schedule are attached to the back of this monitoring plan.
- b. <u>Location</u>: The contaminant concentrations for the entry point are measured at the sample tap on the pump header.
- c. <u>Method</u>: Samples are sent to a certified lab (TDH / LCRA) by the TCEQ's sampling contractor.
- d. <u>Compliance Calculations</u>: If the concentrations of contaminants are less than the regulatory maximum contaminant levels, our system is in compliance. The TCEQ will inform us of violations. Copies of any letters informing us of violations will be attached in the back of this monitoring plan.

3. Chlorine Dioxide

We do not use chlorine dioxide.

4. Chlorite

We do not use chlorine dioxide.

5. Bromate

We do not use ozone.

D. DISTRIBUTION SYSTEM SAMPLING

The water is disinfected with free chlorine. Held in storage tanks pumped to pressure tanks.

The water then goes out to the connection (s) in distribution.

- 1. Coliform Samples
- a. <u>Frequency</u>: We collect one coliform sample on the <u>middle / end</u>

each month, so we have time to do repeats, if necessary. We rotate through the sample sites below.

- b. Location: The sample is taken from the outside tap at the following locations:
 - 1.16901 LIVE OAK BRANCH
 - 2 16684 Live oak sq
 - 3.16822 oak knoll
- 4. 16954 Little oak

samples are sent to a nearby lab:

Name of Lab: NORTH WATER DIST LAB

Attn: Deena Phone:936-321-6060

Mailing / Physical Address: 8725 Fawn Trail The Woodlands

- d. Compliance Calculations: The system is in compliance if:
 - no repeat samples are fecal or E. coli positive
 - no repeat following a fecal or E. coli positive routine sample is positive for total
 - coliform
 - no more than one of the routine samples are total coliform positive and none of the repeats are fecal or E. coli positive
- 2. Disinfectant Residual Free Chlorine
 - a. <u>Frequency</u>: The disinfectant residual is measured at the same time as microbial samples. The disinfectant residual is also measured once every seven days, rotating through the sample sites.
 - b. <u>Location</u>: The disinfectant residual is measured at the same place the microbial sample is taken, plus __ additional sites representing the whole distribution system. The other sites are the outside taps
 - c. <u>Method</u>: Chlorine is measured using a colorimeter / DPD; Hach Pocket colorimeter.
 - d. <u>Compliance Calculations</u>: The system is in compliance with the <u>minimum</u> residual requirement if the free chlorine residual throughout the distribution system is always greater than 0.2 mg/L.

The system is in compliance with the <u>maximum</u> residual disinfectant level (MRDL) if the running annual average of all samples taken in the distribution system is less than 4.0 mg/L.

- 3. Disinfection Byproducts (DBPs) TTHM and HAA5
 - a. <u>Frequency</u>: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in sampling schedule are attached to the back of this monitoring plan.
 - b. Location: The sample is collected from the outside tap at 1 site listed above.
 - c. <u>Method</u>: Samples are taken to a certified lab by the TCEQ's sampling contractor.
 - Compliance Calculations: The system is in compliance if the running annual a stage of all samples is less than the maximum contaminant level Ptc TCLQ will metity as of my stateler.
- to the A. Compare repullifier of the bound of the discount of the second of the second

5. Asbestos

The TCEQ has assessed our system and determined that we have no asbestos concrete pipe or that asbestos is not regulated for our system.

6. Chlorine Dioxide

We do not use chlorine dioxide.

7. Chlorite

We do not use chlorine dioxide.

77

10:11

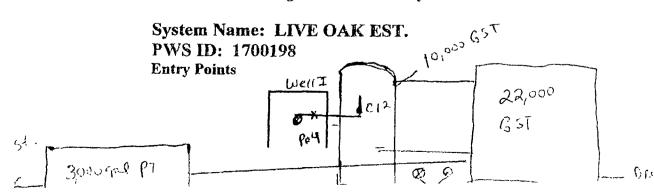
MONITORING PLAN TEMPLATE FOR A GROUNDWATER SYSTEM WITH TWOWELLS

Monitoring Plan For	
Name of System:LIVE OAK EST	
Date of Monitoring Plan: (due Jan. 1, 2004)	
PWS ID#: _1700066 County, Texas Responsible Official: _LARRY PURCELL	Title: MGR.
Water Supply Contact Name: CRYSTAL SPRINGS WATER	
Mailing Address: _ P.O. BOX 603	
PORTER	Texas Zip: 77365
(System Name) LIVE OAK ESTowns and operates TWO groundwater well. The water system serves people with _108	connections. JAN
A. RAW WATER SAMPLING () We / are not required to collect raw water samples.	
B. IN – PLANT SAMPLING Our treatment is only chlorination / We use hypoclorite / chlorine to disinfect the water.	

C. ENTRY POINT SAMPLING

- 1	Entry	Sample Site	Source	Plant Name
	Point			
E	P001-2-	Sample tap on PRESSURE TANK	Gulf Coast Aquifer	Well 1 2
		Located at WATER WELL		

1. Disinfectant Entering the Distribution System



78

189-4

Our system uses free chlorine in the distribution system.

- a. Frequency: Disinfectant residual is measured once week.
- b. <u>Location</u>: The residual for the entry point is measured at the sample tap on the pressure tank.
- c. Chlorine is measured using a colorimeter / DPD; Hach Pocket colorimeter.
- d. <u>Compliance calculations</u>: The system is in compliance if the free chlorine residual entering the distribution system is over 0.22 mg / L.

2. Organic Chemicals, Inorganic Chemicals, and Radiochemical

- a. <u>Frequency</u>: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in the sampling schedule are attached to the back of this monitoring plan.
- b. <u>Location</u>: The contaminant concentrations for the entry point are measured at the sample tap on the pressure / storage tank.
- c. <u>Method</u>: Samples are sent to a certified lab (TDH / LCRA) by the TCEQ's sampling contractor.
- d. <u>Compliance Calculations</u>: If the concentratons of contaminants are less than the regulatory maximum contaminant levels, our system is in compliance. The TCEQ will inform us of violations. Copies of any letters informing us of violations will be attached in the back of this monitoring plan.

3. Chlorine Dioxide

We do not use chlorine dioxide.

4. Chlorite

We do not use chlorine dioxide.

5. Bromate

We do not use ozone.

D. DISTRIBUTION SYSTEM SAMPLING

The distribution system consists of 108_connectons. The system has 22,000 gal. $\neq \alpha = 10^{-6.50}$ GST @ A 3,000 GAL PRESSURE TANK ON SITE 1 @ A 3,000 GAL PRESSURE ON SITE 2

The water is disinfected with free chlorine. It is stored in a pressure tanks..

The water then goes out to the connection (s) in distribution.

1. Coliform Samples

of

a. Frequency: We collect one coliform sample on the <u>middle / end</u>

each month, so we have time to do repeats, if necessary. We rotate through the sample sites below.

- b. Location: The sample is taken from the outside tap at the following locations:
 - 1.16901 LIVE OAK BRANCH
 - 2.16684 LIVE OAK SO
 - 3.16822 OAK KNOLL

4..16954 LITTLE OAK

c. Method: Coliforn samples are sent to a nearby lab:

Name of Lab: Nova Biologicals

Phone:936-756-5333

Mailing / Physical Address: 1775 E. Loop 336 Suite 4 Conroe Texas 77301

- d. Compliance Calculations: The system is in compliance if:
 - no repeat samples are fecal or E. coli positive
 - no repeat following a fecal or E. coli positive routine sample is positive for total
 - coliform
 - no more than one of the routine samples are total coliform positive and none of the repeats are fecal or E. coli positive
- 2. Disinfectant Residual Free Chlorine
 - a. Frequency: The disinfectant residual is measured at the same time as microbial samples. The disinfectant residual is also measured once every seven days, rotating through the sample sites.
 - b. Location: The disinfectant residual is measured at the same place the microbial sample is taken, plus 1 additional sites representing the whole distribution system. The other sites are the outside taps 16954 LITTLE OAK
 - c. Method: Chlorine is measured using a colorimeter / DPD; Hach Pocket colorimeter.
 - d. Compliance Calculations: The system is in compliance with the minimum residual requirement if the free chlorine residual throughout the distribution system is always greater than 0.2 mg/L.

The system is in compliance with the maximum residual disinfectant level (MRDL) if the running annual average of all samples taken in the distribution system is less than 4.0 mg/L.

- 3. Disinfection Byproducts (DBPs) TTHM and HAA5
 - a. Frequency: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in sampling schedule are attached to the back of this monitoring plan.
 - b. Location: The sample is collected from the outside tap at 16954 LITTLE OAK
 - c. Method: Samples are taken to a certified lab by the TCEQ's sampling contractor.
 - d. Compliance Calculations: The system is in compliance if the running annual average of all samples is less than the maximum contaminant level. The TCEQ will notify us of any violation.

Page 20

4. Lead - Copper

Our system has / received an "all plastic waiver" from the TCEQ and will no longer be sampled for lead or copper, or our system is not required to collect lead and copper samples.

5. Asbestos

The TCEQ has assessed our system and determined that we have no asbestos concrete pipe or that asbestos is not regulated for our system.

6. Chlorine Dioxide

We do not use chlorine dioxide.

7. Chlorite

We do not use chlorine dioxide.

173:31

Worksheet for Disinfectant Residuals Collected with Coliform Samples

For Any System Collecting More than One Coliform Sample

This worksheet is provided to help systems keep track of the residual disinfectant that you collect withyour coliform samples

Do not send this worksheet to us. You should send your results to us on the DL QOR form.

PWS:Name - LIVE	OAK EST SE SE	PW\$107 1700198	
MONTH:		SHEW SHEW SHEET	STATE OF THE STATE OF

Disinfectant Residual Collected with Coliform Samples

	1	nectant Residual Collected With Colli	T	Less than	NO
li .	Sample Date	Sample Site	Residual	MIN?	Residual?
		•		1=Y	1 = Y
1		16822 OAK KNOLL			
2		16901 LIVE OAK BRANCH			
3		16684 LIVE OAK SQ			
4		16954 LITTLE OAK			
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					1
19					
20					
21					
22					
23					
24					
25					
26					
29					
30					
31					
Total Samples	4	Average Residual	**PIV/OIP		0

PORTABLE WATER TANK INSPECTION PROGRAM PLANT BE LIVE OAK ESTATES

I. Ground storage, elevated, stand pipe, clear wells and pressure tanks are required by TNRCC, 30 TAC 290,46 (p) to be inspected at least once a year by water system personnel or a contracted inspection service. TNRCC Rules require water system to keep records of the inspection for at least five years. The form on page 4 may be used to document annual inspections.

This will ensure the tank is in good working order and will keep the system officials aware of the condition of the tank and any maintenance or repairs that need to be budgeted for on any unit.

Although, TNRCC Rules require annual inspections, monthly tank inspection and maintenance is recommended to ensure continued tank integrity and to preserve water quality. The form on page 3 may be used as a monthly checklist for tank maintenance.

There are two type of inspections, physical inspection and mechanical inspection. All documentation of the inspection should be kept on file.

II. Physical Inspection- Ground Water Storage Tanks.

The water system operator(s) can do the physical inspection. The visual inspection should occur on a monthly and yearly basis. The operator is inspecting to determine the condition of the tank and to ensure its longevity.

A. Monthly inspecting of the rooftop

- The operator should inspect the vents and ventilators to make sure they are working properly and are screened to ensure no entry of inspects or birds or other varmits.
- 2. The operator should check the access hatch to ensure that it is located and all is intact.
- 3. The operator should look inside the tank to see if there is floating debris or oil, this is a good indicator of the condition of the water, physically.
- 4. Check to see of there are low spots on the roof, which would allow ponding.

This visual inspection is a good indicator of the tank roof structure.

B. Yearly Inspection of the roof top

- 1. The operator should check the roof-welded seams for cracks and corrosion.
- 2. Bolted structured tanks should be checked for loose bolts or loose guardrails
- 3. Check the tank paint coating and look for unprotected areas and rust pits.

pg. 23

POTABLE WATER STORAGE TANK

Inspection Form

"Section 290.46(p)(2)) of the Texas Natural Resource Conservation Commission's Rules and Regulations for public Water Systems requires documentation of annual ground, elevated and pressure storage tank maintenance inspections.'

Location	LIVE OAK ESTATES 1
Description	1 22,000 GST
Date & Ma	terial of Exterior Coating System
Date & Ma	terial of Interior Coating System

Exterior of Tank

O.K.	Problem	NA	Description		
OK			Foundation: settling, cracks, deterioration		
OK			Protective Coating: rust, pitting, corrosion, leaks		
OK			Water Level Indicator: operable, cable access opening protected		
OK			Overflow Pipe: flap valve cover accessible, operable, sealed		
OK			Access Ladder: loose bolts or rungs		
OK			Roof: low spots for ponding water, holes along seams, rust		
OK			Air vents: proper design, screened, sealed edges and seams		
			Cathodic Protection Anode Plates: secured and sealed		
OK			Roof Hatch: proper design, locked, hinge bolts secured, gasket		
OK			Pressure Tank Operational Status: pressure release device, pressure gauge, air-water volume device		

Exterior of Tank

	Problem	Description			
OK		Water Quality: insects, floating debris, sediment on the bottom			
OK		Protective Coating: rust, corrosion, scaling			
Date		Last Inspection of Pressure Tank Interior			

Comments

		
Name of Inspector	LARRY PURCELL	
Date of Inspection		

Bryan W. Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

September 14, 2015

Mr. Tom A. Martin, President Crystal Springs Water Co. Inc. PO Box 603 Porter, Texas 77365-0603

Re:

Notice of Violation for the Comprehensive Compliance Investigation at:
Oak Creek II, 16110B Oak Creek Lane, Splendora, Montgomery County, Texas
Regulated Entity No.: 102689197, TCEQ ID No.: 1700432 ,Investigation No.: 1252567

Dear Mr. Martin:

On July 23, 2015, Ms. Dawn Olivo, of the Texas Commission on Environmental Quality (TCEQ) Houston Region Office, conducted an investigation of the above-referenced regulated entity to evaluate compliance with applicable requirements for Public Water Supply. Enclosed is a summary which lists the investigation findings. During the investigation, a concern was noted which was an alleged noncompliance that has been resolved based on subsequent corrective action. Based on the information you have provided, the TCEQ has adequate documentation to resolve the alleged violation. Therefore, no further action is required. Please be advised that a violation could be issued upon further review of your system's records or self-reported documentation.

The TCEQ appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Ms. Olivo in the Houston Region Office at (713) 767-3650.

Sincerely,

Júlia Thorp, Team Leader Public Water Supply Houston Region Office

JT/DBO/ra

ce: Montgomery County Environmental Health Services

Enclosure: Summary of Investigation Findings

Bryan W Shaw, Ph.D., P.E., Chairman Toby Baker, Commissioner Zak Covar, Commissioner Richard A. Hyde, P.E., Executive Director



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 31, 2014

Mr. Tom Martin, President Crystal Springs Water Company, Inc. PO Box 603 Porter, Texas 77365-0603

Re:

Notice of Compliance with Notice of Violation (NOV) dated December 16, 2013: Rolling Hills Oaks Subdivision, Rolling Hills Drive, Montgomery County, Texas Regulated Entity No.: 102691821, TCEO ID No.: 1700058, Investigation No.: 1158392

Dear Mr. Martin:

On March 26, 2014, the Texas Commission on Environmental Quality (TCEQ) Houston Region Office received adequate compliance documentation to resolve the alleged violations documented during the investigation of the above-referenced regulated entity conducted on November 1, 2013. Based on the information submitted, no further action is required concerning this investigation.

The Texas Commission on Environmental Quality appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions, please feel free to contact Ms. Jennifer Sapp in the Houston Region Office at (713)767-3650.

Sincerely,

Leticia De Leon, Team Leader

Public Water Supply Houston Region Office

LD/JS/ra

Enclosure: Summary of Investigation Findings

cc: Montgomery County Environmental Health Services

Summary of Investigation Findings



ROLLING HILLS OAKS SUBDIVISION

Investigation #

1158392 Investigation Date: 03/27/2014

, MONTGOMERY COUNTY,

Additional ID(s): 1700058

ALLEGED VIOLATION(S) NOTED AND RESOLVED AND RESOLVED

Track No: 520989

30 TAC Chapter 290.46(s)(1)

Alleged Violation:

Investigation 1128278

Comment Date: 12/03/2013

30 TAC, §290.46(s)(1) Testing Equipment

Failure by the regulated entity to calibrate the well meter required by 30 TAC 290.41(c)(3)(N) according to the manufacturer's specifications at least once every three years.

During the investigation, well meter calibration records were not provided for review. Investigation: 1158392 Comment Date: 03/27/2014

30 TAC, §290.46(s)(1) Testing Equipment

Failure by the regulated entity to calibrate the well meter required by 30 TAC 290.41(c)(3)(N) according to the manufacturer's specifications at least once every three years.

During the investigation, well meter calibration records were not provided for review.

Recommended Corrective Action: Submit copies of well calibration records to verify compliance.

Resolution: Compliance documentation was submitted to TCEQ on March 26, 2014.

Track No: 520992

30 TAC Chapter 290,112(a)

Alleged Violation:

Investigation: 1128278

Comment Date: 12/03/2013

30 TAC, §290.121(a) Monitoring Plan

Failure to develop and maintain an up to date system monitoring plan. The plan shall identify all bacteriological and chemical locations, describe the sampling frequency, and specify the analytical procedures and laboratories to be used to comply with monitoring requirements. The completed plan must be retained at each water plant, and made available for review during succeeding investigations.

During the investigation, the monitoring plan was not provided for review. Investigation: 1158392 Comment Date: 03/27/2014

30 TAC, §290.121(a) Monitoring Plan

Failure to develop and maintain an up to date system monitoring plan. The plan shall identify all bacteriological and chemical locations, describe the sampling frequency, and specify the analytical procedures and laboratories to be used to comply with monitoring requirements. The completed plan must be retained at each water plant, and made available for review during succeeding investigations

During the investigation, the monitoring plan was not provided for review.

Recommended Corrective Action: Submit a letter certifying that a system monitoring plan has been completed OR a copy of Monitoring Plan to verify compliance

- Resolution: Compliance documentation was submitted to TCEQ on March 26, 2014.

Track No: 520997

30 TAC Chapter 290.45(b)(2)(F)

Alleged Violation:

Investigation, 1128278

Comment Date: 12/03/2013

30 TAC, §290.45 Capacity Requirement

Failure to meet this Agency's "Minimum Water System Capacity Requirements." These requirements include:

Failure to provide a minimum service pump capacity such that each pump station or pressure plane must have two or more pumps with a total capacity of 2.0 gallons per minute per connection. If the system provides 200 gallons per connection of elevated storage capacity, it must then provide two service pumps with a minimum combined capacity of 0.6 gallons per minute per connection at each pump station or pressure plane. If only wells and elevated storage are provided, service pumps are not required.

Rolling Hills Oaks Subdivision Timberland Estates

39 Conn 386 Conn

Total

425 Conn

SPS 2.0 GPM/Conn X 425 Conn

Required 850 GPM

Provided

750 GPM

SHORT 850gpm Required - 750 gpm Produced = 100 gpm Total

Your water system must be modified to meet this requirement to assure an adequate supply of water at all times

Please be advised that public water systems shall notify the executive director prior to making any significant change or addition to the system's production, treatment, storage, or distribution facilities. Public water systems shall submit plans and specifications for the proposed changes upon request.

The water system may request an exception to these requirements by writing to TCEQ, Water Supply Division, Public Drinking Water Section, Technical Review & Oversight, MC 159, P.O. Box 13087, Austin, TX 78711-3087; phone: (512) 239-4691.

Investigation: 1158392

Comment Date: 03/27/2014

Failure to provide a minimum service pump capacity such that each pump station or pressure plane must have two or more pumps with a total capacity of 2.0 gallons per minute per connection. If the system provides 200 gallons per connection of elevated storage capacity, it must then provide two service pumps with a minimum combined capacity of 0.6 gallons per minute per connection at each pump station or pressure plane. If only wells and elevated storage are provided, service pumps are not required

Rolling Hills Oaks Subdivision

39 Conn

Timberland Estates Total

386 Conn

425 Conn Required

Provided

SPS 2.0 GPM/Conn X 425 Conn

850 GPM

750 GPM

SHORT

850gpm Required - 750 gpm Produced = 100 gpm Total

Your water system must be modified to meet this requirement to assure an adequate supply of water at all times

Please be advised that public water systems shall notify the executive director prior to making any significant change or addition to the system's production, treatment, storage, or distribution facilities Public water systems shall submit plans and specifications for the proposed changes upon request.

The water system may request an exception to these requirements by writing to TCEQ, Water

ROLLING HILLS OAKS SUBDIVISION

Investigation # 1158392

Supply Division, Public Drinking Water Section, Technical Review & Oversight, MC 159, P.O. Box 13087, Austin, TX 78711-3087; phone: (512) 239-4691.

Recommended Corrective Action: Submit a compliance plan, engineering report or certification OR a copy of a letter requesting an exception in addition to a compliance plan for final compliance, OR a copy of a letter granting an exception to verify compliance.

Resolution: Request made to Austin on March 17, 2014 to dissolve this system. It will become part of Timberland Estates (PWS ID#1700612)

Page 3 of 3

Crystal Springs Water Co., Inc.

P. O. BOX 603 PORTER, TEXAS 77365 281-354-5136

March 21, 2014

Texas Commission on Environmental Quality Leticia De Leon, Team Leader Public Water Supply Houston Region Office 5425 Polk St. St. H Houston, TX 77023-1457

Rolling Hill TEGIO 1700053 Interpret 1/2822

Dear Leticia:

I appreciate Ms. Sapp meeting with Larry Purcell and inspecting our Rolling Hills Water System.

As Larry explained to Ms. Sapp, we had combined it with our Timberland System, but were unaware the engineering plans for the combination were not submitted to Austin. Ray Young, Water Engineers, is handling that with your Austin office.

The other violation corrections are noted below:

- 1. The #2 well meter is less than three years old. It was replaced in May, 2012. The new meter for the #1 well has been installed.
- 2. Our monitoring plan was in our log book. Ms. Sapp must have overlooked it. Attached is a copy.
- 3. The minimum system requirements have been taken care of with the combination of Rolling Hills and Timberland. Ray Young, Water Engineers, says the plans are in Austin now.
- 4. The abandoned well issue is being resolved with the combination of the two systems.
- 5. Our capacity issues have already been addressed with the addition of Timberland Well #4 and additional ground storage.

Thank you for the review and we hope that all items questioned have been resolved.

Sincerely

Tom A. Martin

Crystal Springs Water Co., President

Cc: Ray Young, Water Engineers

Cc: Larry Purcell, President, Crystal Springs Water Co.

MONITORING PLAN TEMPLATE FOR A GROUNDWATER SYSTEM

Monitoring Plan For

Name of System:_T	imberland	_/ Roll	ing Hills
Date of Monitoring	Plan	March	19, 2014

PWS ID#: _.1700612 _____MONTG. County, Texas

Responsible Official: LARRY PURCELL Title:MGR. Water Supply Contact Name: CRYSTAL SPRINGS WATER

Mailing Address: PO BOX 603 Porter Texas 77365

(system includes 6 groundwater wells and 3 entry points The water system serves 427

metered connections

A. RAW WATER SAMPLING ()

We / are not required to collect raw water samples.

B. IN - PLANT SAMPLING

Our treatment is only chlorination / LMI CHEMICAL FEED PUMP @ 5 GAL PER DAY RATEING PER WELL

We use hypoclorite / chlorine to disinfect the water.

C. ENTRY POINT SAMPLING

Entry	Sample Site	Source	Plant Name
Point			
EP001-	Sample tap on WELL HEADER	Gulf Coast Aquifer	WELL1,2,3
	Timberland Blvd.		
EP002	Sample tap on Well Header	Gulf Coast	Well 4
	Erica Ct.		
EP003	Sample Tap On Well Header	Gulf Coast	Well 5, 6
	Rolling Hills Blvd		

1. Disinfectant Entering the Distribution System

System Name: TIMBERLAND EST. PWS ID: 1700612

PT

GST

CIT

PT

PT

PT

PT

PT

Our system uses free chlorine in the distribution system.

- a. Frequency: Disinfectant residual is measured once week.
- b. Location: The residual for the entry point is measured at the sample tap on the Pressure Line entering the tank .c. Chlorine is measured using a colorimeter / DPD: Hach Pocket colorimeter.
 - d. Compliance calculations: The system is in compliance if the free chlorine residual entering the distribution system is over 0.22 mg/L.

2. Organic Chemicals, Inorganic Chemicals, and Radiochemical

- a. Frequency: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in the sampling schedule are attached to the back of this monitoring plan.
- b. Location: The contaminant concentrations for the entry point are measured at the sample tap on the pump header.
- c. Method: Samples are sent to a certified lab (TDH / LCRA) by the TCEQ's sampling contractor.
- d. Compliance Calculations: If the concentratons of contaminants are less than the regulatory maximum contaminant levels, our system is in compliance. The TCEO will inform us of violations. Copies of any letters informing us of violations will be attached in the back of this monitoring plan.

3. Chlorine Dioxide

We do not use chlorine dioxide.

4. Chlorite

We do not use chlorine dioxide.

5. Bromate

We do not use ozone.

D. DISTRIBUTION SYSTEM SAMPLING

The water is disinfected with free chlorine. Held in storage tanks pumped to pressure tanks. tanks. 627 (4-19-14) The water then goes out to the connection (s) in distribution.

TABLE 2
COMBINED ROLLING HILLS OAKS AND TIMBERLAND ESTATES WATER SYSTEM
CAPACITY RATING & EXPANSION PLAN

	-	Facility Ra	Total		ED Side	3,000		pansion W	Total
	Units	ESFC	ESFC	Turnes -	BIC	<u>esfc</u>	Units	ESFC	ESFC
Well Supply				٠,	4	-			
Timberland South WP Well # 1, gpm	55	0.6	92	55	0,6	8\$	55	0.6	92
Timberland South WP Well # 2, gpm	82	0.6	137	8 5	0.6	137	82	0.6	137
Timberland South WP Well #3, gpm	82	0.6	137	,82	0;8	197	82	0.6	137
Timberland North WP Well # 1, gpm	0	0.6	0	\$ 3	0,6	547	328	0.6	547
Timberland North WP Well # 2, gpm	0	0.6	0	:30	0.8	To.	200	0.6	333
Rolling Hills Oaks WP Well # 1, gpm	0	0.6	0	5 4	1,5	27	41	1.5	27
Rolling Hills Oaks WP Well # 2, gpm	0	0.6	0		1.5	36	54	1.5	36
Total Capacity, gpm	219	0.6	365	2	0.8	1,070	842	0.6	1,403
Ground Storage				7.74 3.74					
Timberland South GST # 1 Volume, gal	105,000	20 0	525	104,000	200	5 25	105,000	200	525
Timberland North GST # 1 Volume, gal				64,600	3 0 0	3 23	64,600	200	323
Timberland North GST # 2 Volume, gal	0	200	0	<u> </u>	200	70	67,240	200	336.2
Total Volume	105,000	200	525	16 9 (00 0	30 0	848	236,840	200	1184.2
Booster Pumping Capacity						*			
Timberland South BP #1, gpm	250	2	125	2 50	2	125	250	2	125
Timberland South BP #2, gpm	350	2	175	350	2	175	350	2	175
Timberland North BP #1, gpm	0	2	0	475	2	238	475	2	238
Timberland North BP #2, gpm	0	2	0	475	2	23 8	475	2	238
Timberland North BP # 3, gpm	0	2	0	<u> </u>	2_		475	2	238
Total Capacity, gpm	600	2	300	1,550	'2	775	2,025	2	1013
Hydropneumatic Tank						,			
Timberland South HPT # 1 Volume, gal	2,500	20	125	2 , 50 0	20	125	2,500	20	125
Timberland South HPT #2 Volume, gal	5,000	20	250	5,000	20	250	5,000	20	250
Timberland North HPT # 1 Volume, gal	0	20	0	6,340	20	317	6,340	20	317
Timberland North HPT # 2 Volume, gal	0	20	0	Ω	20	Ō	6,340	20	317
Rolling Hills Oaks HPT # 1, gal	0	20	0	900	50	18	900	50	18
Rolling Hills Oaks HPT # 2, gal	0	20	0		50	20	1,000	50	20
Rolling Hills Oaks HPT # 3, gal	0	20	0		50	20	1,000	50	20
Total Volume, gal	7,500	20	375	18,740		750	23,080		1067
Overall System Capacity, ESFC			300			750			1013
System Capacity @ TCEQ 85% Rule			255			638			861

1. Coliform Samples

a. Frequency: We collect one coliform sample on the <u>middle / end</u>

of

each month, so we have time to do repeats, if necessary. We rotate through the sample sites below.

- b. Location: The sample is taken from the outside tap at the following locations:
 - 1.19311 Sara Deann
 - 2 19250 Amy Ln
 - 3.19103 Timberland Blvd

4. 18995 Rolling Hills

Coliform samples are sent to a nearby lab:

Name of Lab: NORTH WATER DIST LAB

Attn: WENDY Phone:936-321-6060 Mailing / Physical Address: 8725 FAWN TRAIL THE WOODLANDS

- d. Compliance Calculations: The system is in compliance if:
 - no repeat samples are fecal or E. coli positive
 - no repeat following a fecal or E. coli positive routine sample is positive for total
 - coliform
 - no more than one of the routine samples are total coliform positive and none of the repeats are fecal or E. coli positive
- 2. Disinfectant Residual Free Chlorine
 - a. <u>Frequency</u>: The disinfectant residual is measured at the same time as microbial samples. The disinfectant residual is also measured once every seven days, rotating through the sample sites.
 - Location: The disinfectant residual is measured at the same place the microbial sample is taken, plus __ additional sites representing the whole distribution system. The other sites are the outside taps
 - c. <u>Method</u>: Chlorine is measured using a colorimeter / DPD; Hach Pocket colorimeter.
 - d. <u>Compliance Calculations</u>: The system is in compliance with the <u>minimum</u> residual requirement if the free chlorine residual throughout the distribution system is always greater than 0.2 mg/L.

The system is in compliance with the <u>maximum</u> residual disinfectant level (MRDL) if the running annual average of all samples taken in the distribution system is less than 4.0 mg/L.

- 3. Disinfection Byproducts (DBPs) TTHM and HAA5
 - a. <u>Frequency</u>: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in sampling schedule are attached to the back of this monitoring plan.
 - b. Location: The sample is collected from the outside tap at 1 site listed above.
 - c. Method: Samples are taken to a certified lab by the TCEQ's sampling contractor.
 - d. <u>Compliance Calculations</u>: The system is in compliance if the running annual average of all samples is less than the maximum contaminant level. The TCEO will notify us of any violation.
- 4. Lead Copper

Our system has / received an "all plastic waiver" from the TCEQ and will no longer be sampled for lead or copper, or our system is not required to collect lead and copper samples.

5. Asbestos

The TCEQ has assessed our system and determined that we have no asbestos concrete pipe or that asbestos is not regulated for our system.

6. Chlorine Dioxide

We do not use chlorine dioxide.

7. Chlorite

We do not use chlorine dioxide.

MONITORING PLAN Two FOR A GROUNDWATER SYSTEM WITH CAMEWELLS

Monitoring Plan For						
Name of System:_ROLLING HILLS						
Date of Monitoring Plan MARCH 1, 2007						
PWS ID#:1700058 MONTG County, Texas						
Responsible Official: LARRY PURCELL						
Title:MGR						
Water Supply Contact Name: CRYSTAL SPRINGS WATER						
-						
Mailing Address: PO BOX 603						
PORTER Texas Zip: 77365						
(operates1 groundwater well. The water system serves metered connections						
A. RAW WATER SAMPLING ()						
We / are not required to collect raw water samples.						
B. IN - PLANT SAMPLING						
Our treatment is only chlorination / LMI CHEMICAL FEED PUMP @ 5 GAL PER						
DAY RATEING						

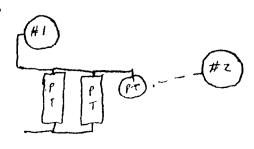
C. ENTRY POINT SAMPLING

Entry Point	Sample Site	Source	Plant Name
EP001-	Sample tap on WELL HEADER	Gulf Coast Aquifer	WELLI Weil 2
			İ

1. Disinfectant Entering the Distribution System

We use hypoclorite / chlorine to disinfect the water.

System Name: ROLLING HILLS PWS ID: 1700058



Our system uses free chlorine in the distribution system.

- a. Frequency: Disinfectant residual is measured once week.
- b. <u>Location</u>: The residual for the entry point is measured at the sample tap on the Pressure Line entering the tank .c. Chlorine is measured using a colorimeter / DPD; Hach Pocket colorimeter.
 - d. <u>Compliance calculations</u>: The system is in compliance if the free chlorine residual entering the distribution system is over 0.22 mg / L.

2. Organic Chemicals, Inorganic Chemicals, and Radiochemical

- a. <u>Frequency</u>: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in the sampling schedule are attached to the back of this monitoring plan.
- b. <u>Location</u>: The contaminant concentrations for the entry point are measured at the sample tap on the pump header.
- c. <u>Method</u>: Samples are sent to a certified lab (TDH / LCRA) by the TCEQ's sampling contractor.
- d. <u>Compliance Calculations</u>: If the concentratons of contaminants are less than the regulatory maximum contaminant levels, our system is in compliance. The TCEQ will inform us of violations. Copies of any letters informing us of violations will be attached in the back of this monitoring plan.

3. Chlorine Dioxide

We do not use chlorine dioxide.

4. Chlorite

We do not use chlorine dioxide.

5. Bromate

We do not use ozone.

D. DISTRIBUTION SYSTEM SAMPLING

The distribution system consists of 32 connectors...

The water is disinfected with free chlorine. It is stored in a 1 900 / 2 1000 TOTALING 2900 GAL PRESSURE TANK.

The water then goes out to the connection (s) in distribution.

- 1. Coliform Samples
- a. <u>Frequency</u>: We collect one coliform sample on the <u>middle / end</u> of

each month, so we have time to do repeats, if necessary. We rotate through the sample sites below.

- b. Location: The sample is taken from the outside tap at the following locations:
 - 1.18995 ROLLING HILLS
 - 2 18256 ROLLING HILLS
 - 3.18569 ROLLING HILLS

4. 19044 ROLLING HILLS

RDMethod: Coliform samples are sent to a nearby lab:

Name of Lab: NORTH WATER DIST LAB

Attn: WENDY Phone:936-321-6060 Mailing / Physical Address: 8725 FAWN TRAIL THE WOODLANDS

- d. Compliance Calculations: The system is in compliance if:
 - no repeat samples are fecal or E. coli positive
 - no repeat following a fecal or E. coli positive routine sample is positive for total
 - coliform
 - no more than one of the routine samples are total coliform positive and none of the repeats are fecal or E. coli positive
- 2. Disinfectant Residual Free Chlorine
 - a. <u>Frequency</u>: The disinfectant residual is measured at the same time as microbial samples. The disinfectant residual is also measured once every seven days, rotating through the sample sites.
 - b. <u>Location</u>: The disinfectant residual is measured at the same place the microbial sample is taken, plus __additional sites representing the whole distribution system. The other sites are the outside taps
 - c. <u>Method</u>: Chlorine is measured using a colorimeter / DPD; Hach Pocket colorimeter.
 - d. <u>Compliance Calculations</u>: The system is in compliance with the <u>minimum</u> residual requirement if the free chlorine residual throughout the distribution system is always greater than 0.2 mg/L.

The system is in compliance with the <u>maximum</u> residual disinfectant level (MRDL) if the running annual average of all samples taken in the distribution system is less than 4.0 mg/L.

- 3. Disinfection Byproducts (DBPs) TTHM and HAA5
 - a. <u>Frequency</u>: The TCEQ's sampling contractor collects these samples. Letters informing us of changes in sampling schedule are attached to the back of this monitoring plan.
 - b. Location: The sample is collected from the outside tap at 1 site listed above.
 - c. Method: Samples are taken to a certified lab by the TCEQ's sampling contractor.
 - d. <u>Compliance Calculations</u>: The system is in compliance if the running annual average of all samples is less than the maximum contaminant level. The TCEQ will notify us of any violation.
- 4. Lead Copper

Our system has / received an "all plastic waiver" from the TCEQ and will no longer be sampled for lead or copper, or our system is not required to collect lead and copper samples.

5. Asbestos

The TCEQ has assessed our system and determined that we have no asbestos concrete pipe or that asbestos is not regulated for our system.

6. Chlorine Dioxide

We do not use chlorine dioxide.

7. Chlorite

We do not use chlorine dioxide.