



Control Number: 46009



Item Number: 9

Addendum StartPage: 0



WATERENGINEERS, INC.

WATER & WASTEWATER TREATMENT CONSULTANTS

17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643

TEL: 281-373-0500 FAX: 281-373-1113

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2016 AUG -2 AM 11:33

PUBLIC UTILITY COMMISSION
FILING CLERK

August 1, 2016

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 and Sewer CCN No. 20906 in Montgomery County, TX
Docket No. 46009

Dear Public Utility Commission of Texas:

Please accept the following as the second filing in response to Order No. 2 – Deeming Application Administratively Complete, Addressing Notice; and Establishing Procedural Schedule.

1. **ABATEMENT OF APPLICATION AWAITING TCEQ APPROVAL OF WATER PLANT PLANS AND SPECS:** Please find attached the letter from TCEQ dated July 29, 2016 indicating conditional approval of plans and specs for construction.

Please proceed with comments on the sufficiency of the CCN filing by Crystal Springs, proposition of any additional procedural schedule or any other motions. Please feel free to contact me if you require any additional information or if you have any questions regarding this submittal.

Sincerely,
WATERENGINEERS, INC.

Shelley Young, P.E.
Project Engineer

Encl. – 7 copies of attachments

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



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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

July 29, 2016

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

Re: Ponderosa Pines Water System - Public Water System ID No. 1700868
Proposed Well, Ground Storage Tank, Hydropneumatic Pressure Tank and Chemical equipment
Engineer Contact Telephone: (281) 373-0500
Plan Review Log No. P-05312016-172
Montgomery County, Texas

CN605194232; RN109279620

Dear Mr. Young:

On May 31, 2016, the Texas Commission on Environmental Quality (TCEQ) received planning material with your letter dated May 20, 2016 for the referenced project. 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 **conditionally approved for construction** if the project plans and specifications meet the following requirement:

Four corrosive indices (Modified Larson's Ratio 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.

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 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.

Mr. D. Ray Young, P.E.
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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 15 sheets of engineering drawings, technical specifications and an engineering summary. The proposed project consists of:

- One (1) public water supply well drilled to 291 feet with 265 linear feet (lf) of 6-inch outside diameter (od) steel casing and pressure-cemented 265 lf;
- 26 lf of 4-inch od stainless steel slot screen, 10 lf of 4-inch od blank liner;
- The well is rated for 177 gallons per minute (gpm) yield with a 15 horsepower (HP), 3-inch pump set at 252 feet deep. The design capacity of the pump is 177 gpm at 290 feet total dynamic head (TDH);
- One (1) 83,440 gallon AWWA standard D103 bolted steel ground storage tank;
- Three (3) 350 gpm service pumps;
- One (1) 5,072 gallon American Society of Mechanical Engineers Section VIII Division 1 steel hydropneumatic pressure tank;
- Two (2) 150 lb. chlorine gas cylinder tanks; and
- All necessary yard piping, fittings and related appurtenances.

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

The Ponderosa Pines Water System public water system provides water treatment.

The project is located near the northeast corner of Old Highway 105 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-05312016-172 in all correspondence for this project.

Mr. D. Ray Young, P.E.

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Please Note: 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.tceq.texas.gov/drinkingwater/planrev.html/#status>

You can download the latest revision of 30 TAC Chapter 290 - Rules and Regulations for Public Water Systems from this site.

Mr. D. Ray Young, P.E.

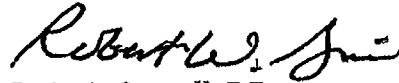
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If you have any questions concerning this letter or need further assistance, please contact Mr. Craig A. Stowell, P.E. at (512) 239-4633 or by email at craig.stowell@tceq.texas.gov or by correspondence at the following address:

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

Sincerely,



for Craig A. Stowell, P.E.
Plan Review Team
Plan and Technical Review Section
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/an

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

cc: Ponderosa Pines Water System, Attn: Mr. Tom A. Martin, President,
P.O. Box 603, Porter, Texas 77365-0603

Mr. D. Ray Young, P.E.

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bcc: TCEQ Central Records PWS File 1700868 (Ponderosa Pines WS)
TCEQ Region No. 12 Office - Houston
TCEQ Plan Review Team - Attn: Leila Terada, MC-159
TCEQ PWSINV, MC-155