



Control Number: 46809



Item Number: 14

Addendum StartPage: 0

Tyler N. Hendrickson, P.E.
Corey A. Frentress, P.E.
W. Wayne Weeks, P.E.
Neal E. Velvin, P.E.



PHONE 903 675 3903 VWCE@VELVIN-WEEKS.COM FAX 903 675 8345

930 E. Corsicana Street
P.O. Box 1007
Athens, Texas 75751

April 4, 2017

Filing Clerk
Public Utility Commission of Texas
1701 N. Congress Ave.
Austin, Texas 78711-3326

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PUBLIC UTILITY COMMISSION
FILING CLERK

**RE: Cash Special Utility District
Docket No. 46809**

In response to the Commission Staff's first request for information we provide the following information:

Staff 1-1 *Please provide a copy of the TCEQ letter in response to your 85% report that explains how Cash SUD will provide the expected service demands to the remaining areas within the boundaries of its certified area, pursuant to 30 TAC § 291.93.*

Please see attached.

Staff 1-2 *Please provide a timetable for expansion of all parts of the water system that has exceeded 85% of maximum capacity. The parts of the water system include the treatment plant storage, the Fate pumps, the Union Valley pumps, the Office pumps, the raw water pumps, the treatment plant capacity, and a new contract with north Texas MWD (NTMWD).*

Please see attached.

Staff 1-3 *Please provide the estimated expansion cost for each of the following items: treatment plant storage, the Fate pumps, the Union Valley pumps, the Office pumps, the raw water pumps, the treatment plant capacity and a new contract with NTMWD.*

A preliminary opinion of probable cost for the proposed projects is shown on the attached time-line graph.

Staff 1-4 *Please provide documentation for the funding mechanism used to finance the expansion of all parts of the water system.*

Cash SUD will fund the projects through bonds, which will be paid for by water sales.

Staff 1-5 *On page 32 of Attachment 7, Water Accountability is 28%. Please provide an explanation of this water loss, and what measures are being taken to reduce it.*

Cash SUD is working on replacing meters and accounting for flushing to reduce the water losses.

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If you need any additional information please let me know.

Sincerely,

VELVIN & WEEKS CONSULTING ENGINEERS, INC.

A handwritten signature in black ink, appearing to read 'TH', followed by a horizontal line extending to the right.

Tyler N. Hendrickson, P.E.

/cf

Attachments

Cash - PUC Response th

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

March 29, 2017

Mr. Tyler Hendrickson, P.E.
 Velvin & Weeks Consulting Engineers, Inc.
 P.O. Box 1007
 Athens, TX 75751

Re: Cash Special Utility District (SUD) - Public Water System ID No. 1160018
 85% Rule Report
 Engineer Contact Telephone: (903) 675-3903
 Plan Review Log No. P-01092017-020
 Hunt County, Texas

CN: 601641426; RN: 101231868

Dear Mr. Hendrickson:

On January 9, 2017, the Texas Commission on Environmental Quality (TCEQ) received your capacity report. Additional information was received on March 27, 2017. This report satisfies the requirements of Chapter 291.93(3) of the Rules.

The submittals included the following information:

FATE PRESSURE PLANE

Facility description	Current connections	Capacity criteria	Required Capacity	Existing Capacity	Available Capacity (existing Capacity less wholesale contracts)	% of ultimate capacity used
Fate Ground Storage	1,094	200 gals/conn	218,800 gals	405,000 gals	405,000 gals	54%
Union Valley Ground Storage	1,094	100 gals/conn	109,400 gals	200,000 gals	200,000 gals	55%
Quinlan Elevated Storage	808	100 gals/conn	80,800 gals	250,000 gals	224,800 gals	36%
Union Valley Ground Storage	808	200 gals/conn	161,600 gals	255,400 gals	205,000 gals	79%
Union Valley Pumps	808	0.56 gpm/conn	452 gpm	960 gpm	405 gpm	112%
Fate Pumps	1,740	0.56 gpm/conn	975 gpm	1,050 gpm	495 gpm	197%
Contract NTMD	1,902	0.45 gpm/conn	856 gpm(1.23 MGD)	2.2 MGD	1.40 MGD	88%

TREATMENT PLANT PRESSURE

Facility description	Current connections	Capacity criteria	Required Capacity	Existing Capacity	Available Capacity (existing Capacity less wholesale contracts)	% of ultimate capacity used
Treatment Plant Elev. Storage	2,319	100 gals/conn	231,900 gals	500,00 gals	500,000 gals	46%
Treatment Plant Pumps	4,532	0.54 gpm/conn	2,450 gpm	3,402 gpm	2,952 gpm	83 %
Office Pumps	1,260	0.54 gpm/conn	681 gpm	730 gpm	730 gpm	93%
Greenville Elev. Storage	1,260	100 gals/conn	126,00 gals	200,00 gals	200,00 gals	63%
Lone Oaks Ground Storage	1,506	200 gals/conn	301,200 gals	500,000 gals	500,000 gals	60%
Lone Oak Pumps North	895	0.54 gpm/conn	484 gpm	700 gpm	700 gpm	69%
Cumby Elev. Storage	895	100 gals/conn	89,500 gals	200,000 gals	200,000 gals	45%
Lone Oak Pumps South	611	0.54 gpm/conn	330 gpm	700 gpm	700 gpm	47%
Lone Oak Elev. Storage	611	100 gals/conn	61,100 gals	200,000 gals	200,000 gals	31%
Treatment Plant Storage	3,579	200 gals/conn	715,800 gals	800,000 gals	800,000 gals	89%
Treatment Plant Capacity	5,085	0.43 gpm/conn	2,187 gpm(3.15 MGD)	4.2 MGD	3.55 MGD	89%
Raw Water Pumps	5,085	0.43 gpm/conn	2,187 gpm	2,917 gpm	2,467gpm	89%
Contract SRA	5,085	0.43 gpm/conn	2,187 gpm(3.15 MGD)	8.5 MGD	7.85 MGD	40

An alternative capacity requirement establishing a minimum required production capacity of 0.43 gpm per connection was issued to the system on July 30, 2001.

Plans were submitted on February 27, 2017 TCEQ plan review log no. P-02272017-187 for one new booster pump installed at the Union Valley Pump station rated at 960 gallons per minute, and one new booster pump installed at the Fate Pump Station rated at 1,000 gallons per minute. The raw water pumps and treatment plant capacity are not projected to reach ultimate capacity until 2026. The office pump capacity is not projected to reach ultimate capacity until 2022. The treatment plant storage capacity is not projected to reach ultimate capacity until 2025. Cash SUD's action plan consist of installing additional facilities prior to reaching ultimate capacity.

Plans and specifications must be submitted prior to construction from a licensed professional engineer (P.E.) for any future improvements according to the TCEQ's Chapter §290 - Rules and Regulations for Public Water Systems (Rules).

The Cash SUD public water supply system provides water treatment.

An appointed engineer must notify the TCEQ's Region 4 Office in Dallas/Fort Worth at (817) 588-5800 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-01092017-020 in all correspondence for this project.

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. Tyler N. Hendrickson, P.E.
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March 29, 2017

If you have any questions please contact Brian D. Dickey at (512)239-0963 or by email at brian.dickey@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,



Vera Poe, P.E., Team Leader
Plan Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality

VP/BDD/db

cc: Cash SUD, P.O. Box 8129, Greenville, TX 75404

