



Control Number: 44541



Item Number: 14

Addendum StartPage: 0

44541
DOCKET NO. ~~4450~~

RECEIVED

APPLICATION OF CITY OF HEATH TO
AMEND A CERTIFICATE OF
CONVENIENCE AND NECESSITY AND
TO DECERTIFY A PORTION OF
FORNEY LAKE WATER SUPPLY
CORPORATION'S SERVICE AREA IN
ROCKWALL COUNTY

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PUBLIC UTILITY COMMISSION

OF TEXAS

3815
APR 22 PM 2:30
PUBLIC UTILITY COMMISSION
FILING CLERK

**CITY OF HEATH'S RESPONSE TO COMMISSION STAFF'S FIRST REQUEST
FOR INFORMATION**

Comes now the City of Heath (the "City" or "Heath") and files its Response to the Commission's Staff First Request for Information. The City of Heath received the Commission's Staff request on April 2, 2015. This response is therefore timely. All parties may treat the answers as if they were filed under oath.

The City of Heath files these responses without agreeing to the relevancy of information sought without waiving to the right to object at the time of hearing to the admissibility of information provided herein.

Respectively submitted,



Jim Mathews
State Bar No. 13188700
Mathews & Freeland, LLP
327 Congress Ave., Ste. 300
Austin, Texas 78701
Telephone (512) 404-7800
Facsimile (512) 703-2785

Attorneys for the City of Heath

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the City of Heath's Response to the Commission's Staff First Request for Information was served on all parties of record in this proceeding on this 22nd day of April, 2015, by hand-delivery, facsimile, electronic mail, and/or First Class Mail.

Arturo Rodriguez, Jr.
Attorney for FLWSC
Russell & Rodriguez LLP
1633 Williams Dr., Building 2, Suite 200
Georgetown, Texas 78632
866-929-1641 (fax)

A.J. Smullen
Attorney, Legal Division Public Utility Commission of Texas
1701 N. Congress Avenue
P.O. Box 13326
Austin, Texas 78711-3326
512-936-7268 (fax)



Jim Mathews

DOCKET NO. 44451
CITY OF HEATH'S RESPONSE TO COMMISSION'S STAFF FIRST
REQUEST FOR INFORMATION

Staff 1-1 Please describe the whether the area affected by the application has been incorporated or annexed by you. If some areas are annexed while others are incorporated, please supply sufficient detail describing each area.

Response: The map provided in Attachment 1 shows that the area affected by the application includes approximately 198.2 acres that were part of the City's original incorporation and 840.5 acres that were subsequently annexed. The map also shows the location of the respective incorporated and annexed areas.

Prepared by: Richard Dormier

Sponsored by: Richard Dormier

DOCKET NO. 44451
CITY OF HEATH'S RESPONSE TO COMMISSION'S STAFF FIRST
REQUEST FOR INFORMATION

Staff 1-2 Please refer to Texas Water Code § 13.255 (m):

- a. Please demonstrate that your existing public drinking water systems comply with the minimum requirements for public drinking water systems promulgated by the Texas Commission on Environmental Quality (TCEQ).
- b. Please demonstrate that you will comply with the minimum requirements for public drinking water systems promulgated by TECEQ with respect to the area affected by your application.

Response: The report prepared by Heath's consulting engineer provided as Attachment 2 contains the requested demonstrations.

Prepared by Richard Dormier

Sponsored by Richard Dormier

DOCKET NO. 44451
CITY OF HEATH'S RESPONSE TO COMMISSION'S STAFF FIRST
REQUEST FOR INFORMATION

Staff 1-3 Please refer to 16 TAC §24.120(n). Please demonstrate that you have obtained a finding from the TCEQ that you will demonstrate compliance with TCEQ's minimum requirements for public drinking water systems pursuant to 30 TAC Chapter 290, Subchapter D.

Response: The City of Heath has requested this finding from TCEQ and will submit the finding when it is issued.

Prepared by Richard Dormier

Sponsored by Richard Dormier

ATTACHMENT 1

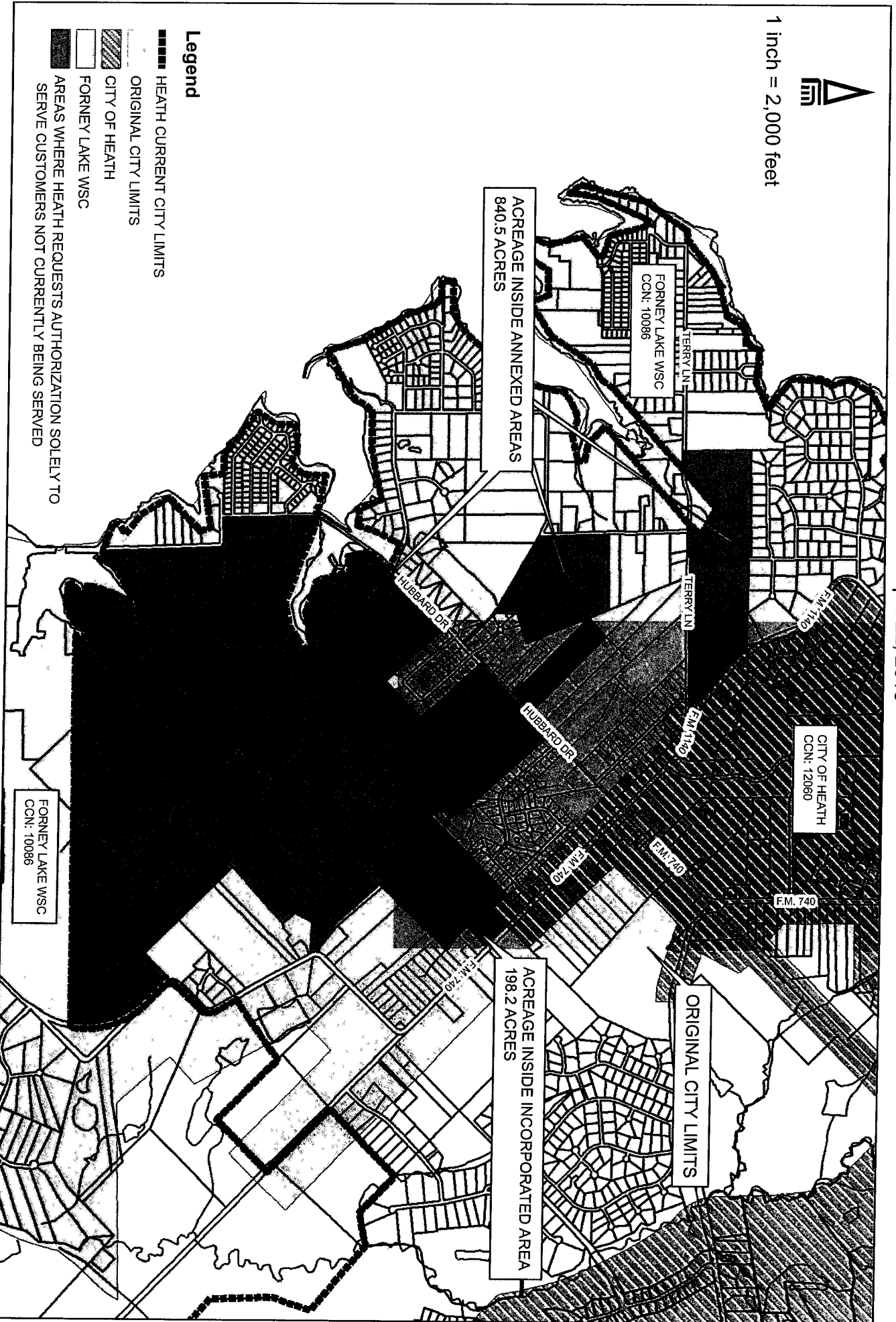
CITY OF HEATH

Response to Staff RFI 1-1

Areas in Original Incorporation and Subsequently Annexed
April 22, 2015



1 inch = 2,000 feet



ATTACHMENT 2



TERRY MILLICAN, R.P.L.S.
VICTOR ACUY, P.E.
RICHARD A. DORMIER, P.E.
JOHN D. GATTIS, A.I.A.
DAMIR LULO, P.E.
MICHAEL K. STACEY, P.E.
LARRY J. FREEMAN, P.E.

April 20, 2015

Mr. Jim Mathews
Mathews & Freeland LLP
8140 North MoPac Expressway
Westpark II Suite 260
Austin, Texas 78759

Re: Demonstration that Heath's Public Water System Does and Will
Comply With the TCEQ's Minimum Requirements
City of Heath, Texas

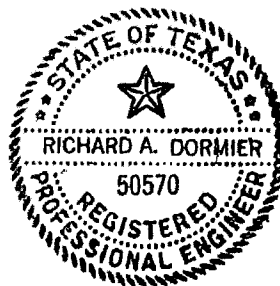
Dear Mr. Mathews:

We have prepared the attached evaluation of the City of Heath water system to demonstrate current and future compliance with the TCEQ Chapter 290.45 Minimum Water System Capacity Requirements. We have provided information related to current water supply, ground storage, elevated tank storage, pumping capacities, current number of connections, as well as future projected growth rate of the City. This information should demonstrate that the City has adequately planned for future growth and that the system currently and will also in the future meet or exceed minimum TCEQ requirements.

Sincerely,

FREEMAN - MILLICAN, INC.

Richard A. Dormier, P.E.



Attach: Technical Memorandum Dated 4-20-15

Cc: Ed Thatcher, City of Heath
David Herbert, City of Heath
John Langstaff, City of Heath
Kim Dobbs, City of Heath

4-20-15

TECHNICAL MEMORANDUM

CITY OF HEATH WATER STORAGE, PUMPING, AND DISTRIBUTION SYSTEM

COMPARISON TO MINIMUM TCEQ REQUIREMENTS

CHAPTER 290.45

The City of Heath purchases treated drinking water from the City of Rockwall which purchases water from the North Texas Municipal Water District. The City of Heath contract with the City of Rockwall allows a maximum daily pumping volume of 3.2 million gallons for an average pumping rate of 2,222 GPM.

The City of Heath ground storage and pumping system currently consists of a 1,000,000 share of an existing 3,000,000 gallon storage tank at the City of Rockwall take point, a pump station with generator with a firm pumping capacity of 6,246 GPM, a 24-inch transmission water line from Rockwall to Heath, and two elevated tanks with a combined storage of 2,000,000 gallons. The distribution system within the City has been designed to provide maximum day demands with a minimum pressure higher than 35 psi.

On April 1, 2015, the City had a total number of 2,199 connections. These were made up of 2,090 residential, 63 irrigation, 38 commercial, and 8 school meters. Historically, the City of Heath has grown at an average rate of approximately 75 houses per year. It is anticipated that in the next few years, this will increase to between 150 and 200 houses per year assuming that Heath's pending application for single certification is granted.

The current system has the following capacities based upon current Chapter 290.45 TCEQ minimum requirements:

Table 1

FACILITY	CAPACITY	RATE	TCEQ MINIMUM	NUMBER OF CONNECTIONS ALLOWED
GROUND STORAGE	1,000,000 GAL		200 GAL PER CONNECTION	5,000
CONTRACT MAXIMUM DAILY RATE	3.2 MGD	2,222 GPM	0.6 GPM PER CONNECTION	3,701
PUMPSTATION AND TRANSMISSION LINE PUMPING CAPACITY	9 MGD	6,246 GPM*	0.6 GPM PER CONNECTION	10,410
ELEVATED TANK CAPACITY	2,000,000 GAL		200 GAL PER CONNECTION**	10,000

*Assumes largest pump out of service

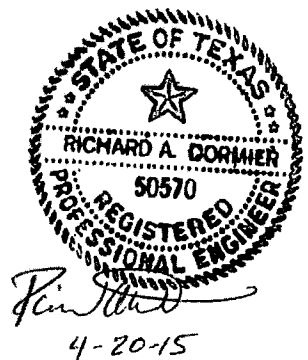
**Per 290.45(b)F

With the exception of the two items with an asterisk the information presented in Table 1 is consistent with information contained in the most recent TCEQ inspection report for the City of Heath in a letter dated July 5, 2013. An excerpt which contains the public water system data in that inspection is attached for reference. The items with the asterisk are more conservative allowing for fewer connections.

The existing water supply contract with Rockwall supports a total of 3,701 connections at 0.6 GPM per connection. The current number of connections in Heath is 2,199 leaving growth for 1,502 connections. At the historic growth rate of 75 houses per year this would represent 20 years of future growth. At the highest anticipated growth rate of 200 per year, it would remain adequate to meet the minimum requirements for approximately 7.5 years.

Heath receives its' water from Rockwall which has recently completed a study of their water delivery system including supplying the ultimate needs of Heath. The City of Heath is currently negotiating a new contract with the City of Rockwall with a higher daily pumping rate. As part of this contract, it is anticipated the City of Heath will be increasing their ground storage capacity to 3,000,000 gallons. These improvements are anticipated to be constructed in the next 4 years or sooner.

In conclusion, the existing City of Heath water contract, pumping, storage, transmission and distribution system currently meets the minimum TCEQ requirements for a total of up to 3,701 connections. Based on an annual growth rate of 200 homes per year, the City will continue to meet the TCEQ requirements for another 7.5 years.



PUBLIC WATER SYSTEM DATA

Name of System: CITY OF HEATH	
CCN Number: 566851	PWS ID: 1990014
Classification: Not Applicable	Type: Community
Region Number: 4	
Interconnect with Other PWS: Yes	Name of PWS I/C: City of Rockwall
Type I/C: purchase	
Retail Service Connections: 2050	Retail Meters: 2050
Retail Population: 5779	
Wholesale Master Meters:	Wholesale Service Connections:
Wholesale Population:	
Total Well Capacity: GPM MGD	
Raw Capacity: GPM MGD	
Total Elevated Storage: 2.0 MG	Total Storage Capacity: 3.0 MG
Pressure Tank Capacity: 0.0	
Maximum Daily Usage: 3.953 MGD	Date: 08/12/2012
Average Daily Usage: 1.417 MGD	Time Period: 05/01/2012 to 04/30/2013
Wholesale Contract: Yes	Maximum Purchase Rate : 3.2 MGD
No. of Samples Required: 6	No. of Samples Submitted: 6
No. of Raw Samples Required: 0	No. of Raw Samples Submitted: 0
Non-Comm Dates of Operation:	09/09/9999 to 09/09/9999

WATER STORAGE TANKS

Type	Capacity	Material	Location
EL	0.5 MG	ST	City Hall
EL	1.5 MG	ST	2430 N FM 740
GR	1.0 MG*	ST	City of Rockwall Pump Station

SERVICE PUMPS

Pump Number	Output	Location
1	2800 GPM	1748 TL TOWNSEND PUMP STATION
2	4400 GPM	1748 TL TOWNSEND PUMP STATION
3	4400 GPM	1748 TL TOWNSEND PUMP STATION

SYSTEM CAPACITIES

Pressure Plane Number: 1 Name: CITY OF HEATH

System Capacities			Required	Provided
Well Production	0.6	GPM Conn X 2050	Conn = 1230	GPM 2222.2
Elevated Pressure Storage	100	Gal/Conn X 2050	Conn = 0.205	MG 2.0
Ground/Total Storage	200	Gal/Conn X 2050	Conn = 0.41	MG 3.0
Service Pump Capacity	2.0	GPM/Conn X 2050	Conn = 4100	GPM 11600
Service Pump Peaking Factor	MDD/1440 X		**	GPM
Tested PSI: 78 Tested CL2: 2.01 Total Location: 6 Brighton Ct.				

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
PUBLIC WATER SYSTEM DIAGRAM
TCEQ REGION 04

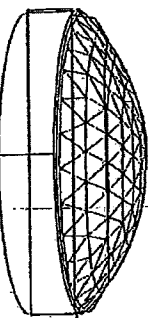
City of Heath

TCEQ ID#1990014

Investigator: Ariel Yeh

Investigation Date: 05/24/2013

Purchase Water Source
City of Rockwall
(PWS ID# 1990001)



3.0 MG

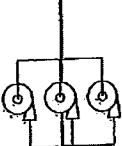
(1.0 MG storage capacity owned
by City of Heath)

Max Purchase Rate:

3.2 MGD or 2,222 GPM



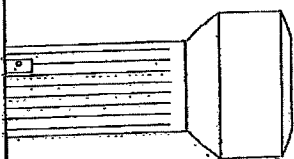
Pump Station
(1748 TL Townsend)



4 Service pumps
2 @ 4400 GPM
1 @ 2800 GPM

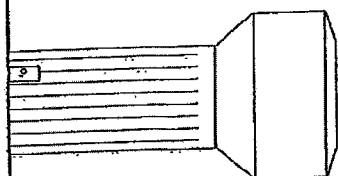
Emergency
Power
Generator

City Hall
(200 Laurence)



Elevated Tank
0.5 MG

2430 N FM 740



Elevated Tank
1.5 MG

To Distribution
2,050 Connections