



CIVIL ENGINEERING CONSULTANTS  
DON DURDEN, INC.  
SAN ANTONIO • LAREDO

August 6, 2009

Hon. Carlos Uresti, Co-Chair of the Bexar Met Oversight Committee  
2530 SW Military Drive, Suite 103  
San Antonio, TX 78224

Hon. Frank Corte, Co-Chair of the Bexar Met Oversight Committee  
2040 Babcock Rd., Suite 402  
San Antonio, TX 78229

RE: Bexar Metropolitan Water District Oversight Committee

Dear Senator Uresti and Representative Corte:

As you well know, the drought and weather patterns have posed challenges for even the most capable water suppliers in Central and South Texas, and although we have heard surprisingly little about how Bexar Met's water supplies are or are not holding up, I think it is safe to assume they have been adversely impacted.

I was advised by Mr. Needham that you are attempting to schedule an Oversight Committee meeting for September 1 or 2, 2009. In that regard, I would like to have Bexar Met be prepared to provide responses to the following questions:

A. What actions has Review Bexar Met's taken and/or what actions does Bexar Met intend to take to employ a manager with a demonstrated high-level of water utility management expertise, who is ethical and has no financial interest in the district? More specifically,

- When, where, and how was the General Manager vacancy advertised?
- How many individuals applied for the position of General Manager?
- Did the Board make an offer to or attempt to negotiate with any of those applicants?
- What is the status of Bexar Met's current efforts, if any, to hire a General Manager?
- Who is responsible for the day-to-day management of Bexar Met's affairs?
- Why did Mr. Thuss resign? Has his position been filled?
- How many other resignations of licensed professional engineers have occurred in 2009?
- How many licensed engineers does Bexar Met currently employ?

B. Review Bexar Met's recent proposal to construct a water tank in Timberwood Park

- What problem is this proposal intended to solve?
- Is this the best solution for Bexar Met customers and other residents in the area?
- What is the current status of the proposal and any alternate solutions?

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C. Review Bexar Met's actions in response to the current drought summer of 2009

- How many storage tanks does Bexar Met operate in its Hill Country (e.g., Timberwood Park and Stone Oak) service areas?
- Present data for and graphic depiction of how full each of these tanks were over time (hourly increments) during the week of August 17, 2009 through August 23, 2009.
- How many wells does Bexar Met operate in its Hill Country service areas?
- Present data for and graphic depiction over time (hourly increments) of the water levels, production rates, and the tanks associated with each of these wells for the week of August 17, 2009 through August 23, 2009.
- To what extent has Bexar Met cooperated with SAWS and/or any other water system to be prepared to meet the needs of its customer in the event of service outages arising from main breaks, equipment break downs, declining well levels, etc.?

D. How many schools, nursing homes, hospitals, day care centers, and similar establishments with vulnerable constituents operate within Bexar Met's Hill Country service area?

E. Is Bexar Met capable of providing adequate storage to respond to a major fire flow demand, particularly in those areas that have experienced low pressure incidents and other problems?

- How would you characterize Bexar Met's ability to meet fire flow requirements "24-7" in its Hill Country service areas during the week of August 17, 2009 through August 23, 2009?
- Is there any time during which a fire flow demand could have precipitated a low pressure situation?
- Was any Bexar Met water used to fight the brush fire near Blanco and Old Blanco Road the evening of August 4, 2009? If so, what impact did it have on the system?

F. How is the drought affecting Bexar Met's financial position? If the drought continues for another 12 months, what would Bexar Met's financial position be at the end of that year?

G. What has Bexar Met done to adopt new impact fee and water development fee structures and how do they compare with other water utility providers in the region?

Please advise if you can arrange for some time during the next Oversight Committee for Bexar Met to respond to these questions. If so, will you make Bexar Met aware of my questions, or I should communicate with Bexar Met directly?

If you have any questions or comments, please do not hesitate to contact me.

Sincerely,

CIVIL ENGINEERING CONSULTANTS

  
 Don Darden, P.E.

Member Bexar Metropolitan Water District Oversight Committee



# MEMORANDUM

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**To:** Management Team

**Through:** Robert R. Villarreal II, P.E.  
Acting Director of Engineering

**From:** Bobby Mengden, P.E.  
Engineer and Project Manager

**Date:** August 21, 2009

**Re:** Oversight Committee Response

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The following is in response to the letter from Mr. Don Durden, Consulting Engineering Consultants ("CEC") to the Bexar Metropolitan Water District Oversight Committee dated August 6, 2009 and received August 25, 2009. The Bexar Metropolitan Water District Engineering Department submits the following responses:

*B. Review BexarMet's recent proposal to construct a water tank in Timberwood Park*

- *What problem is this proposal intended to solve?*

The Engineering Department assumes that this question is in regard to Stone Oak and specifically Pressure Zone 1395 ("PZ 1395"). All answers are based upon this assumption. This Request for Qualifications (RFQ #2009-007) was intended to be utilized in the selection of a consulting engineer for the design of an elevated storage tank at BexarMet's 1190 Flagstone Drive site. This elevated storage tank would be connected to existing infrastructure along Hardy Oaks Blvd. and would satisfy the current elevated storage deficiency for Pressure Zone 1395 of the Hill Country Service Area. The Board of Directors, at its June 29, 2009 meeting, voted to suspend construction of an elevated storage tank at 1190 Flagstone Drive at this time.

- *Is this the best solution for BexarMet customers and other residents in the area?*

Yes, an elevated storage tank in this area (PZ 1395) is required and will satisfy two major components of our Capital Improvements Plan ("CIP"). First, it will provide enough elevated storage to meet current and future demands in PZ 1395. Elevated storage is the most reliable and efficient method for providing fire flow to the residents

in the area. Second, when connected to the water main along Blanco Road, it will provide redundant water supply to both PZ 1395 of Stone Oak and Timberwood Park. Redundant water supply reduces the risk of single point failures and possible water outages.

- *What is the current status of the proposal and any alternate solutions?*

RFP #2009-007 was cancelled and cancellation letters were sent out on July 1, 2009 informing potential bidders. Currently, BexarMet is pursuing the purchase of property in the Terra Bella subdivision, in Stone Oak. Lockwood, Andrews, Newnam ("LAN") will host an Information Session on Monday, August 31, 2009 to inform the public of the proposed tank location at Terra Bella, the advantages of the site, elevated tank styles, tank color schemes, and to solicit input from the public. Staff intends on seeking approval from the Board of Directors to utilize an alternative delivery method, known as "Design Build" to place an elevated storage tank at Terra Bella. The advantages of "Design Build" are: 1) single point of responsibility for design and construction; 2) accelerated project schedule; 3) Qualifications, price and design concept can be considered in the selection; and 4) Guaranteed price possible early in the process.

Please let me know if further explanation or clarification is required for any of these responses.

**CEC**



# MEMORANDUM

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**To:** Management Team

**From:** Rogelio Placencia.  
Director of Operations

**Date:** August 27, 2009

**Re:** Legislative Oversight Committee (LOC) Response

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The following responses are specific to questions requested in the letter from Mr. Don Durden at Consulting Engineering Consultants ("CEC") to the Bexar Metropolitan Water District Oversight Committee dated August 6, 2009 (attached for reference). The Operations department has summarized these responses to the specific questions outlined in the letter:

**Item "C"**

**Q: Review BexarMet's actions in response to the current drought summer of 2009**

- **How many storage tanks does BexarMet operate in its Hill Country (e.g., Timberwood Park and Stone Oak) service areas?**

The District operates a total of 7 storage tanks in the Hill Country PWS (which includes the Stone Oak area). This includes 5-Ground and 2-Elevated storage tanks.

The District operates a total of 7 storage tanks in the Timberwood Park PWS including 6-ground and 1-elevated storage tanks.

- **Present data for and graphic depiction of how full each of these tanks were over time (hourly increments) during the week of August 17, 2009 through August 23, 2009.**

Refer to attachment illustrating tank level graph for the week of August 17, 2009 through August 23, 2009.

- **How many wells does BexarMet operate in its Hill Country service areas?**

The District operates a total of 12 water wells in the Hill Country PWS (which includes the Stone Oak area). 1 well is currently on standby.

The District operates a total of 14 water wells in the Timberwood Park PWS. Currently, 3 wells are not operational.

- **Present data for and graphic depiction over time (hourly increments) for the water levels, production rates, and the tanks associated with each of these wells for the week of August 17, 2009 through August 23, 2009.**

Refer to attachment illustrating water levels, production rates and tanks for week of August 17, 2009 through August 23, 2009.

- **Q: To What extent has a BexarMet cooperated with SAWS and/or any other water system to meet the needs of its customer in the event of service outages arising from main breaks, equipment break downs, declining well levels, etc?**

**A :** The district continues to have a working relationship with San Antonio Water Systems (SAWS) on specific projects. The District has an interconnect with SAWS as an alternate source to sustain tank levels for BexarMet's Facility #63 near Blanco Rd. To date the District has not had the need to utilize the interconnect since 2006. However, the District has an understanding that this interconnect can be utilized by contacting SAWS representatives.





**FACILITY LIST FOR HILL COUNTRY & TIMBERWOOD PARK SYSTEMS**

Facility #	BMWD- HILL COUNTRY #159954	
063	685 FM 1604 W.	STATION #1 H.C.V.
064	451 KNIGHT CROSS DR.	STATION #2 H.C.V.
065	108 ASPEN LN. ( 105 Bitters )	STATION #3 H.C.V.
066	106 BLACKHAWK TR.	STATION #4 H.C.V.
067	302 TOWER DR.	STATION #5 H.C.V.
068	508 VENTURA	STATION #6 H.C.V.
069	367 DONELLA .	STATION #7 H.C.V.
091	201 BITTERS RD.	WELL NO.9
190	18999 HUEBNER ( 4 )	STEIN-WELL
191	18999 HUEBNER ( 5 )	STEIN-WELL
192	18999 HUEBNER ( 6 )	STEIN-WELL
193	18999 HUEBNER ( 7 )	STEIN-WELL
194	18999 HUEBNER ( 8 )	STEIN-WELL
195	18999 HUEBNER ( 1 )	STEIN-WELL
196	18999 HUEBNER ( 2 )	STEIN-WELL
197	18999 HUEBNER ( 3 )	STEIN-WELL
198	18999 HUEBNER ( 9 )	STEIN - STATION - FLEX SITE

Facility #	BMWD- TIMBERWOOD PARK #159970	
075	26975 TIMERLINE DR.	STATION #1 (WELLS #1 & #2)
076	26802 HARMONY HILLS	STATION #2 (WELL #3)
077	26802 HARMONY HILLS	STATION #3 (WELL #4)
078	26803 HARMONY HILLS	STATION #4 (WELL #5)
079	26719 SHADOW PASS	STATION #5
080	801 BEST WAY	STATION #6 (WELLS #6 & #7)
081	801 BEST WAY	STATION #7 BP/TANK
082	27102 ENCHANTED EVE	STATION #8 (TANK)
095	25734 WILD TURKEY RD.	TIMBERWOOD WELL #1
161	25723 ECHO MOUNTAIN	NEW ELEVATED TANK SITE
185	27631 CRAZY HORSE RD.	DYM - WELL # 10
200	ADDRESS PENDING	DYM - WELL # 09
201	ADDRESS PENDING	DYM - WELL # 07
202	ADDRESS PENDING	DYM - WELL # 202

**Hill Country 0150054 Well Daily GPM's and Production**

Date	065WP1	065WP2	066WP1	066WP2	067WP1	091WP1	190WP1	191WP1	193WP1	194WP1	195WP1	Totals
August 17, 2009	1,300	4,000	430	1,150	300	1,182	640	615	0	610	Out of Serv	10,227
August 18, 2009	1,300	4,000	450	1,150	300	1,182	636	632	613	613	Out of Serv	10,876
August 19, 2009	1,300	4,000	430	1,150	300	1,182	611	0	642	590	Out of Serv	10,205
August 20, 2009	1,300	4,000	450	1,150	0	1,182	616	610	643	600	Out of Serv	10,551
August 21, 2009	1,300	4,000	450	1,150	300	1,182	620	611	626	0	Out of Serv	10,239
August 22, 2009	1,300	4,000	450	0	300	1,220	0	600	626	583	Out of Serv	9,079
August 23, 2009	1,300	4,000	430	1,150	300	1,144	0	610	625	OFF	Out of Serv	9,559
<b>Daily Avg.</b>	<b>1,300</b>	<b>4,000</b>	<b>441</b>	<b>986</b>	<b>257</b>	<b>1,182</b>	<b>446</b>	<b>525</b>	<b>539</b>	<b>428</b>	<b>0</b>	<b>10,105</b>

Date	065WP1	065WP2	066WP1	066WP2	067WP1	091WP1	190WP1	191WP1	193WP1	194WP1	195WP1	Totals
August 17, 2009	1,720,000	5,597,000	591,000	971,000	421,000	1,576,410	1,036,000	728,000	0	26,000	Out of Serv	12,666,410
August 18, 2009	1,916,000	6,239,000	656,000	998,000	467,000	1,745,680	880,000	736,000	1,199,000	775,000	Out of Serv	15,611,680
August 19, 2009	1,930,000	6,360,000	669,000	967,000	464,000	1,777,740	827,000	0	920,000	839,000	Out of Serv	14,753,740
August 20, 2009	1,752,000	5,926,000	611,000	1,044,000	0	1,644,520	877,000	587,000	820,000	801,000	Out of Serv	14,062,520
August 21, 2009	499,000	4,353,000	546,000	310,000	796,000	1,493,610	809,000	804,000	618,000	535,000	Out of Serv	10,763,610
August 22, 2009	1,923,000	1,813,000	609,000	0	402,000	1,605,600	0	994,000	1,045,000	0	Out of Serv	8,391,600
August 23, 2009	1,492,000	4,151,000	675,000	756,000	467,000	1,751,230	0	895,000	920,000	459,000	Out of Serv	11,566,230
<b>Total</b>	<b>11,232,000</b>	<b>34,439,000</b>	<b>4,357,000</b>	<b>5,046,000</b>	<b>3,017,000</b>	<b>11,594,790</b>	<b>4,429,000</b>	<b>4,744,000</b>	<b>5,522,000</b>	<b>3,435,000</b>	<b>0</b>	<b>87,815,790</b>
<b>Daily Avg.</b>	<b>1,604,571</b>	<b>4,919,857</b>	<b>622,429</b>	<b>720,857</b>	<b>431,000</b>	<b>1,656,399</b>	<b>632,714</b>	<b>677,714</b>	<b>788,857</b>	<b>490,714</b>	<b>0</b>	<b>12,545,113</b>
<b>Hourly Avg.</b>	<b>66,857</b>	<b>204,994</b>	<b>25,935</b>	<b>30,036</b>	<b>17,958</b>	<b>69,017</b>	<b>26,363</b>	<b>28,238</b>	<b>32,869</b>	<b>20,446</b>	<b>0</b>	<b>522,713</b>

**Hill Country 0150054 System Information**

**Ground Storage Tanks**

Asset #	Gallons
063GT1	2,000,000
063GT2	2,000,000
067GT1	126,700
069GT1	250,000
069GT2	500,000
<b>Total Capacity (5)</b>	<b>4,876,700</b>

**Elevated Storage Tanks**

Asset #	Gallons
064ET1	6,000,000
068ET1	500,000
<b>Total Capacity (2)</b>	<b>6,500,000</b>

**Well Pumps**

Asset #	Pumps To
065WP1	063GT1 & 063GT2
065WP2	063GT1 & 063GT2
065WP3	063GT1 & 063GT2
066WP1	068ET1
066WP2	068ET1
067WP1	067GT1
091WP1	063GT1 & 063GT2
190WP1	064ET1
191WP1	064ET1
193WP1	064ET1
194WP1	064ET1
197WP1	064ET1