

BVGCD Management Plan Objectives  
July, 2018

Goal/Objective	Performance Standard	Status
1a: Permitting of all existing and new non- exempt wells constructed in the District. Encourage registration of exempt wells.	The number of new non-exempt wells permitted in the District.	1 permitted – July, 2018 <b>Total 2018</b> - D/O - 18
	The number of exempt wells registered in the District.	10 registered – July, 2018 (B) – 14, (R) – 14 , (O/G) – 5 <b>Total 2018</b> – 33
1b: Regulation of groundwater production by permitted well through metering.	Number of applications made for permitted use.	1 applications – July, 2018 <b>Total 2018</b> – Industrial – 7; RPWS – 1; Agricultural - 10
	Type of application made for permitted use.	1 applications – July, 2018 1 – Agricultural <b>Total 2018</b> - Industrial – 7; RPWS – 1; Agricultural -10
	Number of permits issued by the District.	4 issued – July, 2018 <b>Total 2018</b> – 17
	Type of permit issued by the District.	18 permits issued through December, 2018 <b>Total 2018</b> – Industrial – 7; RPWS – 1; Agricultural - 10
	Amount of groundwater permitted (acre ft.)	100 ac/ft. groundwater permitted July, 2018 Total GW permitted (2018) – 1,588.45 ac-ft. <b>Total 2018</b> – Yegua-Jackson – 524 ac-ft. ; Sparta – 120 ac-ft.; BRA – 664.45 ac-ft; Simsboro – 30 ac-ft; Queen City – 250 ac-ft.;
	Amount of actual annual production from each metered well as compared to permitted production	Spreadsheet of total actual production for each metered well (by aquifer) compared to permitted amount of production will be included in the 2018 Annual Report
1c: Assessment of available groundwater (by aquifer) using monitoring data collected (water levels/water use/water quality)	Number of wells in well monitoring network.	158 wells
	Major aquifer wells monitored.	97 (Carrizo-Wilcox group)
	Minor aquifer wells monitored.	61 (Queen City/Sparta/Yegua-Jackson/BRA)
	Water quality tests by aquifer.	0 tests Total 2018 – 0
	Progress Report of groundwater availability.	Permitted production vs. actual production provided at each permit hearing.
2a: Water use fees to encourage conservation oriented use.	Amount of fees generated (Historic/Non-Exempt Operating)	<b>Total to be invoiced (2017 production)</b> - \$595,882.03 <b>Fees collected 2018</b> - \$363,448.43

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	Amount of fees generated by Agricultural Use permits	<b>Total invoiced (2017 production)</b> - \$1,593.23 <b>Fees collected 2018</b> - \$1,593.23
	Amount of fees generated by Historic/Non Exempt Industrial Operating Permits	<b>Total invoiced (2017 production)</b> - \$48,250.50 <b>Total invoiced 2018</b> - \$32,093.43
	Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits	<b>Total invoiced (2017 production)</b> - \$476,058.87 <b>Total invoiced 2018</b> - \$277,701.01
	Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits	<b>Total invoiced (2017 production)</b> - \$67,420.63 <b>Total invoiced 2018</b> - \$39,328.70
	Amount of fees generated by Steam Electric Generation	<b>Total invoiced (2017 production)</b> - \$1,328.24 <b>Fees collected 2018</b> - \$1,328.24
	Amount of fees generated by transport fees	<b>Total invoiced (2017 production)</b> \$0.00 <b>Fees collected 2018</b> - \$0.00
	Amount of fees generated by BRA fees for 2016	<b>Total invoiced (2017 production)</b> - \$11,403.82 <b>Fees collected 2018</b> - \$11,403.82
2b: Review District Rules to decrease amount of waste.	Annual review of rules for possible amendments addressing reduction of waste.	
2c: Provide information to public and schools on eliminating wasteful practices.	Website page dedicated to wise use of water.	District website contains a conservation page dedicated to the wise use of water. BVWaterSmart website, sponsored by BVGCD, contains many videos promoting conservation as well as lawn watering recommendations.
	Provide water curriculum to local schools and in-school presentations encouraging wise use of water and the significance of aquifers.	Presented BRA water level comparison maps to 90 producers @ Tri-County Crops Committee Winter Meeting 1-29-18; Manned booth @ BCS Home & Garden Show distributing conservation materials Feb 10-11; Presentation to the "Sages" Group (30) on 5-17-18; Presentation to Bryan Rotary Club (75) on 5-23-18; Presentation to 15 science teachers on effective techniques for teaching groundwater curriculum 6-21-18; Presentation to approximately 40 local agricultural producers about the importance protection of the BRA Aquifer by BVGCD on July 19, 2018.  Taught aquifer science/water conservation to 35 4 <sup>th</sup> grade Bremond Elem. 1-12-17; 450 5 <sup>th</sup> grade Sam

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		Rayburn 1-18 to 1-23-18; 450 5 <sup>th</sup> grade Jane Long 1-23 to 1-26-18; 29 4 <sup>th</sup> & 5 <sup>th</sup> grade Calvert Elem. 2-7-18; 147 2nd grade Green's Prairie Elem. 2-9-18; 54 5 <sup>th</sup> grade Hearne Elem. 2-13-18; 120 4 <sup>th</sup> grade Creek View Elem. 2-15/2-16-18; 120 4 <sup>th</sup> grade South Knoll 2-20/2-21-18; 160 4 <sup>th</sup> grade Green's Prairie 2-23-18; 39 4 <sup>th</sup> & 5 <sup>th</sup> Allen Academy 2-26-18; 130 4 <sup>th</sup> grade Southwood Valley Elem. 2-27-18; 100 4 <sup>th</sup> grade Pebble Creek 2-28-18; 125 4 <sup>th</sup> Forest Ridge Elem. 3-1/3-2-18; 115 4 <sup>th</sup> grade Spring Creek Elem. 3-5/3-6-18; 100 4 <sup>th</sup> Rock Prairie Elem. 3-7 thru 3-9-18; 40 4 <sup>th</sup> & 5 <sup>th</sup> grade Mumford Elem. 3-19-18; 160 4 <sup>th</sup> grade College Hills Elem. 3-22 & 3-23-18; 80 7 <sup>th</sup> grade Franklin Middle 3-26 & 3-27-18; 550 7 <sup>th</sup> grade Davila Middle 3-28 thru 4-5-18; 500 7 <sup>th</sup> grade SFA 4-6 thru 4-13-18; 40 4 <sup>th</sup> grade St. Joseph's 4-11-18; 85 5 <sup>th</sup> grade Franklin Middle 4-16-18; 550 7 <sup>th</sup> CSMS 4-18 to 4-23-18; 500 AMCMS 4-24 to 5-1-18; 41 Mumford Middle 5-3 & 5-4-18; 41 7 <sup>th</sup> Bremond Middle 5-7 & 5-8-18.
3a: Encourage use of surface water supplies to meet needs of user groups in the District	Attend Regional Water Planning Group Meeting (minimum of 1 meeting/year).	Attended BGRWPG Groundwater committee and full committee meeting 2-7-18. Served as alt. member 5-9-18;
4a: Determine if natural spring flows may be impacted by increased groundwater pumping.	Springs found in District.	No springs identified at this time.
	Monitoring wells established when spring flows found.	N/A at this time
5a: Palmer Drought Severity Index (PDSI) will be provided to Board members monthly.	Monthly assessment of drought conditions impacting Drought Contingency Plan.	Current 2018 PDSI/Crop Moisture Index/State Drought Monitor/U.S. Seasonal Drought Outlook attached. Website drought maps updated weekly.
	Plan triggers.	See District Drought Contingency Plan adopted November 8, 2012.
5b: 100% of permittees required by the State of Texas to submit Drought Contingency Plans will submit such plans when applying for a permit for well production.	Review 100% of DCP's when a severe drought condition is reached as per PDSI.	All permits requiring State of Texas Drought Contingency Plans are reviewed at time of application
	Date severe drought condition reached.	N/A

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	Number of DCP's to be reviewed.	0 reviewed
5c: Develop a District Drought Contingency Plan (adopted 11-4-10).	Review for effectiveness and updates annually.	Reviewed, revised and adopted November 8, 2012. Plan reviewed 8-6-18 with no recommended revisions. DDCP reviewed – 0
6a: 100% of water permit applicants will submit a water conservation plan or agree to comply with the District Water Conservation Plan.	Number of permits for production received requiring water conservation plans.	1 permit received – July, 2018 <b>Total for 2018</b> – 18 permits received
	Number of water conservation plans submitted.	0 submitted – July, 2018 <b>Total for 2018</b> –0 submitted
	Number of water conservation plans reviewed.	0 reviewed – July, 2018 <b>Total for 2018</b> – 0 reviewed
	Number of permittees agreeing to abide by District's water conservation plan.	1 abiding by DWCP – July, 2018 <b>Total for 2018</b> – 18 abiding by DWCP
6b: Develop a system for measurement and evaluation of groundwater supplies.	Minimum of 2 wells/aquifer.	Outlined by aquifer below. 158 monitor wells/ 0 monitored July, 2018
	Brazos River Alluvium	Number of Monitoring Wells/Number 23 wells/3 monitored 54 readings
	Calvert Bluff	Number of Monitoring Wells/Number 17 wells/8 monitored 26 readings
	Carrizo	Number of Monitoring Wells/Number 8 wells/4 monitored 12 readings
	Hooper	Number of Monitoring Wells/Number 17 wells/1 monitored 23 readings
	Queen City	Number of Monitoring Wells/Number 4 wells/2 monitored 7 readings
	Simsboro	Number of Monitoring Wells/Number 56 wells/18 monitored 73 readings
	Sparta	Number of Monitoring Wells/Number 25 wells/14 monitored 37 readings
	Yegua-Jackson	Number of Monitoring Wells/Number 9 wells/5 monitored 9 readings
		Total number of well year-to-date monitor readings 241 combined readings for all aquifers January 1 through December 31, 2018

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6c: Assist in obtaining grant funds for the implementation of water conservation methods.	Number of meetings held with State Agencies	Ag Conservation Grant program conversation with Cameron Turner, TWDB, via email 2-6-18
	Number of meetings held with Federal Agencies	
	Number of meetings of the Grants subcommittee	
	Number of grant applications received	1 – Robertson & Brazos counties SWCD for water and soil sampling in the BRA (\$8,200 granted 8-10-17) for use in Spring/Summer, 2018
	Number of water conservation grants approved by Board of Directors	2 – The City of College Station and Wickson Creek SUD were granted funds (\$42,500) by the BVGCD to maintain ET weather stations, remote rain gauges, upgrade cellular connections, and a website to inform public on lawn irrigation recommendations (2018).
7a: Develop baseline water quality data and a system for continued evaluation of groundwater quality.	Water quality tests conducted	Long term water quality reports taken by the TWDB compiled by WSP USA. Will be summarized for Board use. BVGCD water quality information made available from TWDB will be incorporated into the inactive ArcGIS web portal.
7b: Require all water permittees that are subject to well vulnerability studies prior to constructing a well to provide evidence of the study to the District prior to construction.	Number of wells requiring well vulnerability studies.	0
	Number of well vulnerability studies received.	0
	Well plugging efforts*	17 well plugging contracts in 2018
	Number of water Permittees provided with wellhead protection information. Conduct in-school presentation addressing aquifer contamination and protection.	All well owners (exempt and non-exempt) that have drilled, permitted, or registered a well on or after January 1, 2014 were sent 2 information sheets detailing new owner responsibilities and well head protection information. All subsequent new well or newly registered well owners are provided the same well head protection brochures. Taught aquifer protection to 35 5 <sup>th</sup> grade Bremond Elem. 1-12-18;

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		<p>450 5<sup>th</sup> grade Sam Rayburn Middle 1-18 to 1-23-18; 450 5<sup>th</sup> grade Jane Long Middle 1-23 to 1-26-18; 29 4<sup>th</sup> &amp; 5<sup>th</sup> grade Calvert Elem. 2-7-18; 147 2nd grade Green's Prairie Elem. 2-9-18; 54 5<sup>th</sup> grade Hearne Elem. 2-13-18; 125 4<sup>th</sup> grade Creek View Elem. 2-15/2-16-18; 125 4<sup>th</sup> grade South Knoll 2-20/2-21-18; 125 4<sup>th</sup> grade Green's Prairie 2-23-18; 39 4<sup>th</sup> &amp; 5<sup>th</sup> Allen Academy 2-26-18; 125 4<sup>th</sup> grade Southwood Valley Elem. 2-27-18; 80 4<sup>th</sup> grade Pebble Creek 2-28-18; 125 4<sup>th</sup> Forest Ridge Elem. 3-1/3-2-18; 115 4<sup>th</sup> grade Spring Creek Elem. 3-5/3-6-18; 125 4<sup>th</sup> Rock Prairie Elem. 3-7 thru 3-9-18; 40 4<sup>th</sup> &amp; 5<sup>th</sup> grade Mumford Elem. 3-19-18; 160 4<sup>th</sup> grade College Hills Elem. 3-22 &amp; 3-23-18; 80 7<sup>th</sup> grade Franklin Middle 3-26 &amp; 3-27-18; 550 7<sup>th</sup> grade Davila Middle 3-28 thru 4-5-18; 500 7<sup>th</sup> grade SFA 4-6 thru 4-13-18; 40 4<sup>th</sup> grade St. Joseph's 4-11-18; 85 5<sup>th</sup> grade Franklin Middle 4-16-18; 600 7<sup>th</sup> CSMS 4-18 to 4-23-18; 550 AMCMS 4-24 to 5-1-18; 41 Mumford Middle 5-3 &amp; 5-4-18; 41 7<sup>th</sup> Bremond Middle 5-7 &amp; 5-8-18.</p>
<p>8a: Evaluate water level monitoring data and determine if change conforms to adopted DFCs for each aquifer.</p>	<p>Once every 3 years (for each aquifer):</p> <ul style="list-style-type: none"> <li>• Report water level data obtained</li> <li>• Average artesian head change</li> <li>• Comparison of changes to DFCs</li> <li>• Progress on conforming to DFCs</li> </ul>	<p>John Seifert reported on progress toward conforming to the DFCs on April 10, 2018.</p>
	<p>Once annually (for each aquifer):</p> <ul style="list-style-type: none"> <li>• Report total permitted GW production</li> <li>• Report total estimated annual GW production</li> <li>• Compare this data to the MAG</li> </ul>	<p>Presented to the Board at each Board meeting in a spreadsheet format. 1-11-18, 2-8-18, 3-8-18; 4-10-18; 5-10-18; 6-14-18; 7-11-18</p>