

BVGCD Management Plan Objectives
March, 2017

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.	0 permitted –March, 2017 Total 2017 - D/O- 7
	The number of exempt wells registered in the District.	2 permitted – March, 2017 (B) – 2, (R) –6, (O/G) - 1 Total 2017 – 9
1b: Regulation of groundwater production by permitted well through metering.	Number of applications made for permitted use.	0 applications – March, 2017 Total 2017 – 7
	Type of application made for permitted use.	0 applications – March, 2017 0 – Agricultural Total 2017- Agricultural Use –7;
	Number of permits issued by the District.	0 issued March, 2017 Total 2017 –7
	Type of permit issued by the District.	7 permits issued through December, 2017 Total 2017 – Agricultural Use – 7;
	Amount of groundwater permitted (acre ft.)	690 ac/ft. groundwater permitted March, 2017 Total GW permitted (2017) –6 90 ac-ft. Total 2017 – Simsboro –90 ac-ft; BRA – 600 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 2016 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.	144 wells
	Major aquifer wells monitored.	88 (Carrizo-Wilcox group)
	Minor aquifer wells monitored.	56 (Queen City/Sparta/Yegua-Jackson/BRA)
	Water quality tests by aquifer.	0 tests Total 2017 – 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)	Total to be invoiced 2017 - \$603,410.34 Fees collected 2017 - \$178,751.20

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	Amount of fees generated by Agricultural Use permits	Total to be invoiced 2017 - \$1,814.85 Fees collected 2017 - \$1,814.85
	Amount of fees generated by Historic/Non Exempt Industrial Operating Permits	Total to be invoiced 2017 - \$49,211.10 Total invoiced 2017 - \$27,134.43
	Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits	Total to be invoiced 2017 - \$477,770.72 Total invoiced 2017 - \$119,088.16
	Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits	Total to be invoiced 2017 - \$72,072.62 Total invoiced 2017 - \$18,010.81
	Amount of fees generated by Steam Electric Generation	Total to be invoiced 2017 - \$1,287,71 Fees collected 2017 - \$1,287.71
	Amount of fees generated by transport fees	Total to be invoiced 2017 \$0.00 Fees collected 2017 - \$0.00
	Amount of fees generated by BRA fees for 2016	Total invoiced 2016 - \$11,487.24 Fees collected 2016 - \$11,415.24
2b: Review District Rules to decrease amount of waste.	Annual review of rules for possible amendments addressing reduction of waste.	Correlative Rights Subcommittee met 2-22-17 to discuss using non-contiguous acreage to validate existing well footprints; 4-6-17 to discuss questions and comments raised during the 2-22-17 meeting.
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.
	Provide water curriculum to local schools and in-school presentations encouraging wise use of water and the significance of aquifers.	Manned booth @ BCS Home & Garden Show distributing conservation materials Feb 10-12; Presentations to: BCS Realtors Association (95) 1-5-17; Aggieland Rotary Club (12) 2-16-17; Century 21 Beal Realtor Associates (10) 2-22-17; Brazos County Master Gardeners (45) 2-28-17; Extension Service Club (20) 3-2-17; Texas Christmas Tree Growers Assoc. (32) 4-1-17; Taught aquifer science/water conservation to 52 5 th grade Fannin Elem. 1-9-17; 645 5 th grade Houston Elem. 1-10-17; 62 5 th grade Bowen Elem. 1-11-17; 50 5 th grade Neal Elem. 1-17-17; 124 5 th grade at Bonham Elem. 1-19-17; 76 5 th grade Johnson Elem. 1-20-17; 115 5 th grade Navarro Elem. 1-23-17; 35 4 th grade Bremond Elem. 1-27-17; 80 5 th Mitchell Elem. 1-30-17; 26 5 th grade Allen Academy Elem. 2-2-17; 20 4 th grade Allen

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		Academy 2-2-17; 80 5 th grade Henderson Elem. 2-3-17; 65 5 th grade Crockett Elem. 2-3-17; 90 5 th grade Milam Elementary 2-6-17; 130 4 th grade Greens Prairie Elem. 2-10-17; 86 5 th grade Kemp Elem. 2-13-17; 150 4 th grade South Knoll Elem. 2-13-17; 63 5 th grade Hearne Elem. 2-14-17; 4 th grade Hearne Elem. 2-15-17; 90 4 th grade Franklin Elem. 2-17, 2017; 4 th College Hills Elem. 2-21/24-17; 4 th grade Forrest Ridge Elem. 2-22/23-17; 4 th grade Southwood Valley Elem. 2-27/28-17; 4 th grade Creekview Elem. 3-1-17; 40 4 th grade Mumford Elem. 3-3-17; 60 4 th grade Spring Creek Elem. 3-6-17; 189 7 th grade Davila Middle 3-7/8-17; 75 4 th grade Pebble Creek Elem. 3-10-17; 60 4 th grade Spring Creek Elem. 3-20-17; 240 7 th grade JLMS 3-21 to 3-24-17; 190 7 th grade SFAMS 3-27-17; 195 7 th grade SRMS 3-30/31-17; 450 7 th grade AMCMS 4-4 to 4-11-17;
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 BGWPG meeting 4-5-17;
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 2017 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. Plan to be reviewed September, 2017.
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
	Number of DCP's to be reviewed.	0 reviewed

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5c: Develop a District Drought Contingency Plan (adopted 11-4-10).	Review for effectiveness and updates annually.	Reviewed, revised and adopted November 8, 2012. DDCP to be reviewed September, 2017.
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.	0 permits received – March, 2017 Total for 2017 – 7 permits received
	Number of water conservation plans submitted.	0 submitted – March, 2017 Total for 2017 –0 submitted
	Number of water conservation plans reviewed.	0 reviewed – March, 2017 Total for 2017 – 0 reviewed
	Number of permittees agreeing to abide by District’s water conservation plan.	0 abiding by DWCP – March, 2017 Total for 2017 -7 abiding by DWCP
6b: Develop a system for measurement and evaluation of groundwater supplies.	Minimum of 2 wells/aquifer.	Outlined by aquifer below. 144 monitor wells/120 monitored January 1 – March 3, 2017
	Brazos River Alluvium	Number of Monitoring Wells/Number 25 wells/24 monitored 24 readings
	Calvert Bluff	Number of Monitoring Wells/Number 11wells/11 monitored 11 readings
	Carrizo	Number of Monitoring Wells/Number 7 wells/7 monitored 7 readings
	Hooper	Number of Monitoring Wells/Number 18 wells/15 monitored 15 readings
	Queen City	Number of Monitoring Wells/Number 3 wells/3 monitored 3 readings
	Simsboro	Number of Monitoring Wells/Number 52 wells/36 monitored 36 readings
	Sparta	Number of Monitoring Wells/Number 19 wells/16 monitored 16 readings
	Yegua-Jackson	Number of Monitoring Wells/Number 9 wells/8 monitored 8 readings
		Total number of well year-to-date monitor readings 120 combined readings for all aquifers January 1 through December 31, 2017
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, 4-5-17

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	Number of meetings held with Federal Agencies	
	Number of meetings of the Water Conservation Enhancement subcommittee	
	Number of water conservation grant applications received	
	Number of water conservation grants approved by Board of Directors	2 – The City of College Station and Wickson Creek SUD were granted funds (\$39,500) by the BVGCD to maintain ET weather stations, remote rain gauges, and a website to inform public on lawn irrigation recommendations (2017).
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 LBG-Guyton. 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*	2 well plugging contracts in 2017
	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 52 5 th grade Fannin Elem. 1-9-17; 645 5 th grade Houston Elem. 1-10-17; 62 5 th grade Bowen Elem. 1-11-17; 50 5 th grade Neal Elem. 1-17-17; 124 5 th grade at Bonham Elem. 1-19-17; 76 5 th grade Johnson Elem. 1-20-17; 115 5 th grade Navarro Elem.

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<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"> • Report water level data obtained • Average artesian head change • Comparison of changes to DFCs • Progress on conforming to DFCs 	<p>Presentation by John Seifert on DFCs by aquifer and progress on conforming to the DFCs 3-9-17.</p>
	<p>Once annually (for each aquifer):</p> <ul style="list-style-type: none"> • Report total permitted GW production • Report total estimated annual GW production • Compare this data to the MAG 	<p>Presented to the Board at each Board meeting in a spreadsheet format. 1-12-17, 2-9-17, 3-9-17, 4-13-17</p>