

BVGCD Management Plan Objectives
September, 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.	11 permitted – September, 2017 Total 2017 - D/O- 33
	The number of exempt wells registered in the District.	7 permitted – July, 2017 (B) – 3, (R) – 4, (O/G) - 0 Total 2017 – 97
1b: Regulation of groundwater production by permitted well through metering.	Number of applications made for permitted use.	11 applications – September, 2017 Total 2017 – 33
	Type of application made for permitted use.	11 applications – September, 2017 4 – Agricultural; 7 – Industrial Total 2017 - Agricultural Use –17; Industrial – 16
	Number of permits issued by the District.	11 issued September, 2017 Total 2017 –33
	Type of permit issued by the District.	33 permits issued through December, 2017 Total 2017 – Agricultural Use – 17; Industrial – 16
	Amount of groundwater permitted (acre ft.)	852 ac/ft. groundwater permitted September, 2017 Total GW permitted (2017) – 3161.8 ac-ft. Total 2017 – Simsboro –490 ac-ft; BRA – 1750 ac-ft; Sparta – 859.8 ac-ft.; Calvert Bluff – 60 ac-ft.; Yegua-Jackson – 2 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.	145 wells
	Major aquifer wells monitored.	90 (Carrizo-Wilcox group)
	Minor aquifer wells monitored.	55 (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 - \$603,794.78 Fees collected 2017 - \$413,194.02

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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 - \$43,412.54
	Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits	Total to be invoiced 2017 - \$477,770.72 Total invoiced 2017 - \$358,328.04
	Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits	Total to be invoiced 2017 - \$72,072.62 Total invoiced 2017 - \$54,054.47
	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 - \$11,487.24
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. Board adopted rules on 6-8-17. Rules Committee met 6-21-17 to consider rules changes as a result of recently enacted legislation. Board adopted rules on production acreage requirements, spacing, DFC schedule on 8-10-17.
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; Keller Williams Realtor Group (12) 8-17-17 Taught aquifer science/water conservation to 52 5 th grade Fannin Elem. 1-9-17; 645 5 th grade Houston

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		<p>Elem. 1-10-17; 62 5th grade Bowen Elem. 1-11-17; 50 5th grade Neal Elem. 1-17-17; 124 5th grade at Bonham Elem. 1-19-17; 76 5th grade Johnson Elem. 1-20-17; 115 5th grade Navarro Elem. 1-23-17; 35 4th grade Bremond Elem. 1-27-17; 80 5th Mitchell Elem. 1-30-17; 26 5th grade Allen Academy Elem. 2-2-17; 20 4th grade Allen Academy 2-2-17; 80 5th grade Henderson Elem. 2-3-17; 65 5th grade Crockett Elem. 2-3-17; 90 5th grade Milam Elementary 2-6-17; 130 4th grade Greens Prairie Elem. 2-10-17; 86 5th grade Kemp Elem. 2-13-17; 150 4th grade South Knoll Elem. 2-13-17; 63 5th grade Hearne Elem. 2-14-17; 4th grade Hearne Elem. 2-15-17; 90 4th grade Franklin Elem. 2-17, 2017; 4th College Hills Elem. 2-21/24-17; 4th grade Forrest Ridge Elem. 2-22/23-17; 4th grade Southwood Valley Elem. 2-27/28-17; 4th grade Creekview Elem. 3-1-17; 40 4th grade Mumford Elem. 3-3-17; 60 4th grade Spring Creek Elem. 3-6-17; 189 7th grade Davila Middle 3-7/8-17; 75 4th grade Pebble Creek Elem. 3-10-17; 60 4th grade Spring Creek Elem. 3-20-17; 240 7th grade JLMS 3-21 to 3-24-17; 190 7th grade SFAMS 3-27-17; 195 7th grade SRMS 3-30/31-17; 430 7th grade AMCMS 4-4 to 4-11-17; 78 Franklin MS 7th grade 4-12-17; 450 CSMS 7th grade 4-18 to 4-21-17; 30 Bremond MS 7th grade 4-25 & 4-26-17; 39 Mumford MS 7th grade 5-1 & 5-2-17; 36 Calvert Elem. 4th, 5th & 6th grades 5-3-17; 25 St. Joseph's Elem. 4th grade 5-10-17; 104 SFA Middle School 7th grade 9-12 9-13-17; 95 Navarro Elem. 4th grade 10-4-17; 62 Houston Elem. 4th grade 10-5-17; 75 Mitchell Elem. 4th grade 10-6-17; 100 Neal Elem. 4th grade 10-10-17; 65 Bowen Elem. 4th grade 10-10-17; 85 Kemp Elem. 4th grade 10-11-17; 1,500 area 4th grade @ Pizza Ranch;</p>
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 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	N/A at this time

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	found.	
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 reviewed July 10, 2017. No revisions suggested.
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
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 reviewed July 10, 2017. No revisions suggested.
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.	11 permits received – September, 2017 Total for 2017 – 33 permits received
	Number of water conservation plans submitted.	0 submitted – September, 2017 Total for 2017 – 0 submitted
	Number of water conservation plans reviewed.	0 reviewed – September, 2017 Total for 2017 – 0 reviewed
	Number of permittees agreeing to abide by District's water conservation plan.	11 abiding by DWCP – September, 2017 Total for 2017 - 33 abiding by DWCP
6b: Develop a system for measurement and evaluation of groundwater supplies.	Minimum of 2 wells/aquifer.	Outlined by aquifer below. 145 monitor wells/119 monitored August 10, 2017 – September 8, 2017
	Brazos River Alluvium	Number of Monitoring Wells/Number 24 wells/23 monitored 77 readings
	Calvert Bluff	Number of Monitoring Wells/Number 14 wells/14 monitored 43 readings
	Carrizo	Number of Monitoring Wells/Number 7 wells/6 monitored 21 readings

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	Hooper	Number of Monitoring Wells/Number	16 wells/13 monitored 49 readings
	Queen City	Number of Monitoring Wells/Number	4 wells/3 monitored 10 readings
	Simsboro	Number of Monitoring Wells/Number	53 wells/38 monitored 120 readings
	Sparta	Number of Monitoring Wells/Number	18 wells/15 monitored 59 readings
	Yegua-Jackson	Number of Monitoring Wells/Number	9 wells/7 monitored 25 readings
		Total number of well year-to-date monitor readings	404 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;
	Number of meetings held with Federal Agencies		Met w/ representatives from NRCS June 27, 2017 to discuss water/soil sampling and soil amendments to increase water use efficiency.
	Number of meetings of the Grants subcommittee		Grant Committee met 8-4-17 to discuss path forward on grants for 2017.
	Number of grant applications received		1 – Robertson & Brazos counties SWCD for water and soil sampling in the BRA (\$8,200 granted 8-10-17)
	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

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	Number of well vulnerability studies received.	0
	Well plugging efforts*	15 well plugging contracts in 2017
	Number of water Permittees provided with wellhead protection information. Conduct in-school presentation addressing aquifer contamination and protection.	<p>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 5th grade Fannin Elem. 1-9-17; 645 5th grade Houston Elem. 1-10-17; 62 5th grade Bowen Elem. 1-11-17; 50 5th grade Neal Elem. 1-17-17; 124 5th grade at Bonham Elem. 1-19-17; 76 5th grade Johnson Elem. 1-20-17; 115 5th grade Navarro Elem. 1-23-17; 35 4th grade Bremond Elem. 1-27-17; 80 5th Mitchell Elem. 1-30-17; 26 5th grade Allen Academy Elem. 2-2-17; 20 4th grade Allen Academy 2-2-17; 80 5th grade Henderson Elem. 2-3-17; 65 5th grade Crockett Elem. 2-3-17; 100 5th grade Milam Elementary 2-6-17; 4th grade Greens Prairie Elem. 2-10-17; 5th grade Kemp Elem. 2-13-17; 4th grade South Knoll Elem. 2-13-17; 5th grade Hearne Elem. 2-14-17; 4th grade Hearne Elem. 2-15-17; 90 4th grade Franklin Elem. 2-17, 2017; 4th College Hills Elem. 2-21/24-17; 4th grade Forrest Ridge Elem. 2-22/23-17; 4th grade Southwood Valley Elem. 2-27/28-17; 4th grade Creekview Elem. 3-1-17; 40 4th grade Mumford Elem. 3-3-17; 60 4th grade Spring Creek Elem. 3-6-17; 189 7th grade Davila Middle 3-7/8-17; 75 4th grade Pebble Creek Elem. 3-10-17; 60 4th grade Spring Creek Elem. 3-20-17; 240 7th grade JLMS 3-21 to 3-24-17; 190 7th grade SFAMS 3-27-17; 195 7th grade SRMS 3-30/31-17; 450 7th grade AMCMS 4-4 to 4-11-17; 78 Franklin MS 7th grade 4-12-17; 450 CSMS 7th grade 4-18 to 4-</p>

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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. All monitoring well data collected Jan. 1, 2016 – June 8, 2017 presented to the Board @ June 8th Board meeting in book form. Available at all times in the office for inspection and review.</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, 5-11-17; 6-8-17; 7-13-17; 8-10-17; 9-14-17;</p>