

BVGCD Management Plan Objectives
September, 2020

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 – September, 2020 Total 2020 - D/O - 3
	The number of exempt wells registered in the District.	79 registered – September, 2020 (B) – 6 (R) – 73 , (O/G) – 0 Total 2020 – 689
1b: Regulation of groundwater production by permitted well through metering.	Number of applications made for permitted use.	1 applications – September, 2020 Total 2020 – 3
	Type of application made for permitted use.	1 applications – September, 2020 Industrial – 1; Ag – 2 Total 2020 – 3
	Number of permits issued by the District.	1 issued – September, 2020 Total 2020 – 2
	Type of permit issued by the District.	3 permits issued through September, 2020 Industrial – 1; Ag – 2 Total 2020 – 3
	Amount of groundwater permitted (acre ft.)	220 ac/ft. groundwater permitted September, 2020 Total GW permitted (2020) –738 ac-ft. Total by Aquifer 2020 – Queen City – 200 ac-ft; BRAA – 538 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 2020 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.	163 wells
	Major aquifer wells monitored.	97 (Carrizo-Wilcox group)
	Minor aquifer wells monitored.	66 (Queen City/Sparta/Yegua-Jackson/BRA)
	Water quality tests by aquifer.	0 tests Total 2020 – 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 (2019 production) - \$691,523.91 Fees collected 2020 - \$531,484.87

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	Amount of fees generated by Agricultural Use permits	Total invoiced (2019 production) - \$1,545.60 Fees collected 2020 - \$1,545.60
	Amount of fees generated by Historic/Non Exempt Industrial Operating Permits	Total invoiced (2019 production) - \$51,560.74 Total invoiced 2020 - \$44,398.59
	Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits	Total invoiced (2019 production) - \$547,817.44 Total invoiced 2020 - \$410,863.08
	Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits	Total invoiced (2019 production) - \$71,871.25 Total invoiced 2020 - \$55,948.72
	Amount of fees generated by Steam Electric Generation	Total invoiced (2019 production) - \$1,536.77 Fees collected 2020 - \$1,536.77
	Amount of fees generated by transport fees	Total invoiced (2019 production) \$0.00 Fees collected 2020 - \$0.00
	Amount of fees generated by BRA fees for 2016	Total invoiced (2019 production) - \$17,192.11 Fees collected 2020- \$17,192.11
2b: Review District Rules to decrease amount of waste.	Annual review of rules for possible amendments addressing reduction of waste.	Rules Committee met 6-3-20 for Bylaw amendment on public comment. Revisions adopted 6-11-20. Rules Committee met to annually review rules & make suggested changes. Board to vote on adopting District Rule revisions 9-10-20.
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 65 producers @ Tri-County Crops Committee Winter Meeting 1-14-20; Aquifers 101 Training - District Office – 1-20-20 (12 attended); Water conservation program @ Moore’s Wild Bird Store 1-25-20 (9 attended); TWON Private Well Owner Meeting – Wellborn Community Center 2-5-20 (19 attended); BCS Home & Garden Show Feb. 15-16 – 150 contacts; Texas A&M Water Network presentation Feb. 20 – 20 attending; Sponsored Commercial Irrigator CEU course Feb. 28 – 15 attended; Virtual meeting – TAMU Water Law Class (11) 4-27-20; Wet Project Virtual Teacher Training (2 attended) June

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		23-24, 2020; Wet Project Virtual Teacher Training (3 attended) July 22-23, 2020; See attached for school listings.
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 February 12, 2020; Virtual IPP Hearing June 3, 2020; Virtual attendance 9-9-20
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 2020 PDSI/Crop Moisture Index/State Drought Monitor/U.S. Seasonal Drought Outlook attached. Website drought maps updated weekly. Sending weekly updates to board members via email beginning 4-7-20.
	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
	Number of DCP's to be reviewed.	0 reviewed
5c: Develop a District Drought Contingency Plan (adopted 11-8-12).	Review for effectiveness and updates annually.	Reviewed, revised and adopted November 8, 2012. DCCP annually reviewed 8-19-20; Adopted with revision 9-10-20
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 – September, 2020 Total for 2020 – 0 permits received
	Number of water conservation plans submitted.	0 submitted – September, 2020 Total for 2020 – 0 submitted
	Number of water conservation plans reviewed.	0 reviewed – September, 2020 Total for 2020 – 0 reviewed
	Number of permittees agreeing to abide by District's water conservation plan.	1 abiding by DWCP – September, 2020 Total for 2020 – 3 abiding by DWCP

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6b: Develop a system for measurement and evaluation of groundwater supplies.	Minimum of 2 wells/aquifer.		Outlined by aquifer below. 163 monitor wells
	Brazos River Alluvium	Number of Monitoring Wells/Number	23 wells/16 readings 58 total
	Calvert Bluff	Number of Monitoring Wells/Number	16 wells/13 readings 42 total
	Carrizo	Number of Monitoring Wells/Number	8 wells/ 3 readings 10 total
	Hooper	Number of Monitoring Wells/Number	16 wells/ 15 readings 33 total
	Queen City	Number of Monitoring Wells/Number	9 wells/ 8 readings 21 total
	Simsboro	Number of Monitoring Wells/Number	57 wells/ 26 readings 105 total
	Sparta	Number of Monitoring Wells/Number	23 wells/ 18 readings 56 total
	Yegua-Jackson	Number of Monitoring Wells/Number	11 wells/ 7 readings 16 total
		Total number of well year-to-date monitor readings	352 combined readings for all aquifers January 1 through December 31, 2020
6c: Assist in obtaining grant funds for the implementation of water conservation methods.	Number of meetings held with State Agencies		
	Number of meetings held with Federal Agencies		
	Number of meetings of the Grants subcommittee		Met w/ Grants Committee to review/reauthorize current grants and review 2020 grant proposals 8-18-20
	Number of grant applications received		2 – Texas A&M AgiLife (Dr. Ron Kaiser) for smart controllers for BVWaterSmart enhancement (\$9,000

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		granted 7-11-19); Remote Control Access Technology for Groundwater Well Pivots grant proposal (\$16,000 – 2020)
	Number of water conservation grants approved by Board of Directors	2 – The City of College Station and Wickson Creek SUD were granted funds (\$32,500) by the BVGCD to maintain ET weather stations, remote rain gauges and a website to inform public on lawn irrigation recommendations (2019). Board approved an additional \$9,000 in grant funds for BVWaterSmart pilot project on/off technology.
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*	10 well plugging grant contracts in 2020
	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. See attached school listings.
8a: Evaluate water level monitoring data and determine if change conforms to adopted DFCs for each aquifer.	Once every 3 years (for each aquifer): <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 	Directors informed all monitoring well data now available via the website (hydrographs included. Went live in early October, 2019. John Seifert gave DFCs compliance presentation 5-14-20.

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	<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. 1-9-20; 2-13-20, 3-10-20, 5-14-20, 6-11-20, 7-9-20, 8-13-20, 9-10-20; 10-8-20</p>
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Taught aquifer science/water conservation/aquifer protection/watersheds to:

- 365 - 5th grade Pecan Trail Intermediate 1-8, 1-10 & 1-11-20;
- 295 - 5th grade Cypress Grove Intermediate 1-13 to 1-15-20;
- 600 - 5th grade Sam Rayburn Intermediate 1-16, 1-17, 1-21, 1-22-20;
- 600 - 5th grade Jane Long Intermediate 1-23, 1-24, 1-27, 1-28-20;
- 90 - 4th grade Pebble Creek Elem. 2-3-20
- 135 - 4th grade Green's Prairie Elem. 2-4-20;
- 43 - 4th grade River Bend Elem. 2-6-20;
- 120 - 4th grade Spring Creek Elem. 2-7-20;
- 105 - 4th grade South Knoll Elem. 2-19, 2-20-20;
- 130 - 4th grade College Hills Elem. 2-21-20;
- 55 - 5th grade Hearne Elem. 2-25-20;
- 105 - 4th grade Southwood Valley Elem. 2-26-20;
- 90 - 4th grade Rock Prairie Elem. 3-4, 3-5-20;
- 135 - 7th grade SFA Middle School 9-28 & 9-29-20 (Virtual);