

BVGCD Management Plan Objectives
April, 2017

| Goal/Objective | Performance Standard | Status |
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| 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. | 3 permitted –April, 2017 Total 2017 - D/O- 12 |
| | The number of exempt wells registered in the District. | 2 permitted – April, 2017 (B) – 2, (R) –0, (O/G) - 0 Total 2017 – 18 |
| 1b: Regulation of groundwater production by permitted well through metering. | Number of applications made for permitted use. | 4 applications – April, 2017 Total 2017 – 12 |
| | Type of application made for permitted use. | 4 applications – April, 2017 3 – Agricultural; 1 – Industrial Total 2017 - Agricultural Use –11; Industrial – 1 |
| | Number of permits issued by the District. | 4 issued April, 2017 Total 2017 –12 |
| | Type of permit issued by the District. | 12 permits issued through December, 2017 Total 2017 – Agricultural Use – 11; Industrial – 1 |
| | Amount of groundwater permitted (acre ft.) | 109.8 ac/ft. groundwater permitted April, 2017 Total GW permitted (2017) –829.8 ac-ft. Total 2017 – Simsboro –90 ac-ft; BRA – 600 ac-ft; Sparta – 109.8 ac-ft.; Calvert Bluff – 30 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 - \$212,395.31 |

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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 - \$29,725.11 |
| | Amount of fees generated by Historic/Non Exempt Municipal Public Water Supply permits | Total to be invoiced 2017 - \$477,770.72 Total invoiced 2017 - \$159,256.91 |
| | Amount of fees generated by Historic/Non Exempt Rural Water Supply Permits | Total to be invoiced 2017 - \$72,072.62 Total invoiced 2017 - \$24,024.21 |
| | 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. |
| 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; 430 7 th grade AMCMS 4-4 to 4-11-17; 78 Franklin MS 7 th grade 4-12-17; 450 CSMS 7 th grade 4-18 to 4-21-17; 30 Bremond MS 7 th grade 4-25 & 4-26-17; 39 Mumford MS 7 th grade 5-1 & 5-2-17; 36 Calvert Elem. 4 th , 5 th & 6 th grades 5-3-17; 25 St. Joseph's Elem. 4 th grade 5-10-17; |
| 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 |

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| | 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 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. | 4 permits received – April, 2017 Total for 2017 – 12 permits received |
| | Number of water conservation plans submitted. | 0 submitted – April, 2017 Total for 2017 –0 submitted |
| | Number of water conservation plans reviewed. | 0 reviewed – April, 2017 Total for 2017 – 0 reviewed |
| | Number of permittees agreeing to abide by District's water conservation plan. | 4 abiding by DWCP – April, 2017 Total for 2017 -12 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/59 monitored May 1 – May 9, 2017 |
| | Brazos River Alluvium | Number of Monitoring Wells/Number 25 wells/17 monitored 41 readings |
| | Calvert Bluff | Number of Monitoring Wells/Number 11wells/1 monitored 12 readings |
| | Carrizo | Number of Monitoring Wells/Number 7 wells/2 monitored 9 readings |
| | Hooper | Number of Monitoring Wells/Number 18 wells/8 monitored 23 readings |
| | Queen City | Number of Monitoring Wells/Number 3 wells/1 monitored 4 readings |
| | Simsboro | Number of Monitoring Wells/Number 52 wells/15 monitored 51 readings |
| | Sparta | Number of Monitoring Wells/Number 19 wells/12 monitored 28 readings |
| | Yegua-Jackson | Number of Monitoring Wells/Number 9 wells/3 monitored 11 readings |
| | | Total number of well year-to-date monitor 179 combined readings for all aquifers January 1 through December 31, 2017 |

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| | | readings | |
| 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 | | |
| | 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 |

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| | | <p>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 4-21-17; 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;</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"> • 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 | <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</p> |

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| | <ul style="list-style-type: none">• Compare this data to the MAG | |
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