

NOTICE OF OPEN MEETING

Notice is given that a **Regular Meeting** of the Board of Directors of the Barton Springs/Edwards Aquifer Conservation District will be held at the **District office**, located at 1124 Regal Row, Austin, Texas, on **Thursday, May 10, 2018**, commencing at **6:00 p.m.** for the following purposes, which may be taken in any order at the discretion of the Board.

Note: The Board of Directors of the Barton Springs/Edwards Aquifer Conservation District reserves the right to meet in Executive Session at any time during the course of this meeting to discuss any of the matters listed on this agenda, as authorized by the Texas Government Code Sections §551.071 (Consultation with Attorney), 551.072 (Deliberations about Real Property), 551.073 (Deliberations about Gifts and Donations), 551.074 (Personnel Matters), 551.076 (Deliberations about Security Devices), 551.087 (Economic Development), 418.183 (Homeland Security). No final action or decision will be made in Executive Session.

1. **Call to Order.**
 2. **Citizen Communications (Public Comments of a General Nature).**
 3. **Routine Business.**
 - a. **Consent Agenda.** *(Note: These items may be considered and approved as one motion. Directors or citizens may request any consent item be removed from the consent agenda, for consideration and possible approval as a separate item of Regular Business on this agenda.)*
 1. Approval of Financial Reports under the Public Funds Investment Act, Directors' Compensation Claims, and Specified Expenditures greater than \$5,000. **Not for public review**
 2. Approval of minutes of the Board's April 12, 2018, Regular Meeting and April 17, 2018, Special Called Meeting. **Not for public review at this time**
 3. Approval of recommendation for Jennifer Walker, National Wildlife Federation, to continue to serve on the HCP Management Advisory Committee as the designated representative of the MAC's special interest group for the environmental community. **Pg. 16**
 4. Approval of designating Alicia Reinmund-Martinez as the District Representative to GMA 10, effective May 29, 2018. **NBU**
 5. Approval of designating Alicia Reinmund-Martinez as the District's voting representative to the Texas Alliance of Groundwater Districts, effective May 29, 2018. **NBU**
- General Manager's Report.** *(Note: Topics discussed in the General Manager's Report are intended for general administrative and operational information-transfer purposes. The Directors will not take any action unless the topic is specifically listed elsewhere in this agenda for consideration.)*

1. Standing Topics.

- i. Personnel matters and utilization
- ii. Upcoming public events of possible interest
- iii. Aquifer conditions and status of drought indicators

2. Special Topics. *(Note: Individual topics listed below may be discussed by the Board in this meeting, but no action will be taken unless a topic is specifically posted elsewhere in this agenda as an item for possible action. A Director may request an individual topic that is presented only under this agenda item be placed on the posted agenda of some future meeting for Board discussion and possible action.)*

- i. Review of Status Update Report – at directors' discretion **Pg. 18**
- ii. Update on status of investigation to correct registered voter list for BSEACD elections in the Shared Territory in Hays County.
- iii. Update on regulatory and enforcement activities
- iv. Update on certain projects and activities of individual teams and of Board committees.

4. Discussion and Possible Action.

- a. Discussion and possible action related to selecting the winning essay and naming the recipient of the 2018 Kent S Butler Memorial Groundwater Stewardship College Scholarship. **Pg. 23**
- b. Discussion and possible action related to the approval of a resolution to add the new General Manager Alicia Reinmund-Martinez and delete the former General Manager to those District representatives authorized to have check-signing authority, and for the staff to arrange with the District's financial institutions for her to have such authority effective May 29, 2018. **Pg. 34**
- c. Discussion and possible action related to the approval of a resolution to authorize the District staff to utilize electronic funds transfers for payroll and disbursements in lieu of checks, at its discretion. **Pg. 37**
- d. Discussion and possible action related to the City of Dripping Springs application for a TPDES permit to authorize direct discharge of treated wastewater to Onion Creek in the contributing zone of the Barton Springs segment of the Edwards Aquifer. **NBU**

5. Directors' Reports. *(Note: Directors' comments under this item cannot address an agenda item posted elsewhere on this agenda and no substantive discussion among the Board Members or action will be allowed in this meeting.)*

Directors may report on their involvement in activities and dialogue that are of likely interest to the Board, in one or more of the following topical areas:

- Meetings and conferences attended or that will be attended;
- Board committee updates;
- Conversations with public officials, permittees, stakeholders, and other constituents;
- Commendations; and

- Issues or problems of concern.

6. Adjournment.

Please note: This agenda and available related documentation, if any, have been posted on the District website, www.bseacd.org. If you have a special interest in a particular item on this agenda and would like any additional documentation that may be developed for Board consideration, please let staff know at least 24 hours in advance of the Board Meeting so that we can have those copies made for you.

The Barton Springs/Edwards Aquifer Conservation District is committed to compliance with the Americans with Disabilities Act (ADA). Reasonable accommodations and equal opportunity for effective communications will be provided upon request. Please contact the District office at 512-282-8441 at least 24 hours in advance if accommodation is needed.

Item 1
Call to Order

Item 2

Citizen Communications

Item 3

Routine Business

a. Consent Agenda

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Item 3

Routine Business

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- iv. Update on certain projects and activities of individual teams and of Board committees.**

STATUS REPORT UPDATE FOR MAY 10, 2018 BOARD MEETING

Prepared by District Team Leaders

Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
GENERAL MANAGEMENT TEAM			
Kirk Holland			
KII	5/4/18	Meetings, Training, Presentations, and Conferences	External Meetings Attended: SWTCGCD board meeting. Other meetings: Planning Team and individual team meetings. Tech Team meetings. Meetings with EP technical and legal representatives. Meetings and teleconferences with FWS and consultant on HCP and EIS finalization. Meetings with new GM for transition coordination. Presentations: Local GCDs and GW Management to Danish Consular officials and TAGD. Conferences/Seminars: None.
KII	5/4/18	Ongoing Special Projects, Committees, and Workgroups	Ongoing Special Projects: GMA 10 coordination and GCD rules comparison and evaluation, and response to continuing comments; Oversight of salary study project; Responding to questions from FWS on ICP. Reviewing and commenting on Final EIS for ICP. Discuss ILA with Travis County for support in SW Travis Co.; EPM revision coordination; Committees and Workgroups; GMA 10 (temporary voting member).
KII	5/4/18	Routine Activities and Day-to-Day operations	Routine Activities/Day-to-Day Operations: provided general oversight of staff projects and activities, and oversight of day-to-day operations; approved admin documents, prepared agendas and backup for and attended Board meetings; prepared GM report and assigned tasks in response to Board commitments; held regular one-on-one meetings with Team Leaders; presided over Planning Team meetings; serve as liaison between Board and staff; support Board committees; disseminate media reports and journal articles of possible interest, and coordinate responses. Consultation with Attorney on: Dripping Springs TPDES permit, agenda review, ILA with Travis County, contract reviews, EP application review and assist in drafting GM Position Statement, Dealing with Personnel issues. Other Activities: Database project implementation review; GMA 10 coordination; GMA rules review and comparison method; coordinate ICP comment responses; Dripping Springs settlement, EP application review; salary study coordination; support of SW Travis County GCD;
ADMINISTRATION TEAM			
Dana Christine Wilson			
Accounts Receivable - A	5/4/2018	Permittee accounts carrying a past due balance:	All accounts currently in good standing.
Accounts Receivable - B	5/4/2018	4th Quarter and June Monthly Billings have been prepared.	May 16th statement date for June monthly invoices. Payments are due on June 5th and considered late on June 16th.
Banking - Signature Cards	5/4/2018	In process of updating the BBT accounts signature authorities to include Alicia Reinmund-Martinez and to delete previous GM.	
Banking - Credit Card processing	5/4/2018	The District is reassessing credit card payment capabilities.	We expect this program to not be cost-efficient.
Budget Revision 2 for FY 2018	5/4/2018	Coming soon. Currently in progress.	To address Travis County ILA, new GM, and EPM monetary effects.
Budget for FY 2019	5/4/2018	Addressing possible format edits.	Adding chart/graphs to a summary level version. Calculating CPI for the CoA future payment (if it reaches the 1M cap again but doesn't look at will for FY 19).
Election - November 2018	5/4/2018	Preliminary election timeline available.	Process should start ramping up in June/July.
Election Legal - November 2018	5/4/2018	Spotchecking coding on Hays County registrations.	Board approved Bickerstaff to handle this.
Financial Reporting - Website	5/4/2018	Most current, available financial reports to be posted.	Balance Sheet, Profit and Loss Statements, and Check Registers through March 2018 have been posted.
Grant Reporting	5/4/2018	TWDB RFP Grant	First (and final) grant invoice was submitted for payment to TWDB on Friday, March 30, 2018.
Salary Survey - Evergreen	5/4/2018	In process.	

	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
Tax Reporting	DCW	5/4/2018	Quarterly payroll taxes due April 30th for 1st quarter of calendar year 2018.	TWC C-1, and IRS 940.
REGULATORY COMPLIANCE TEAM Vanessa Frazier				
Rutherford North	KBE, VE	5/4/2018	Test Well Permit	Gates Water Resources Corp submitted two test well applications for the Rutherford North property. They are requesting to drill one middle Trinity and one Lower Trinity well to assess the production capabilities and water quality of the formations. Those applications are under review.
Electro Purification	KBE, VE	5/4/2018	Production Permit	EP has submitted 7 modification applications and 1 production permit application on 7/13/17. The production request is for 912,500,000 million gallons a year (2.5 MGD) to be produced from the Middle Trinity Aquifer for the purposes of Wholesale Public Water Supply. The General Managers Preliminary Finding was sent out to the applicant on 2/20/18. A 90-day extend review period has been granted to allow the applicant to provide additional required materials such as a compliance monitoring plan for the avoidance of unreasonable impacts. The GM's Position Statement will be available in late May 2018.
Needmore Water LLC	KBE, VE	5/4/2018	Conversion of a Temporary Permit to a Regular Permit	Needmore Water LLC is currently a Temporary Permit that has been determined to be administratively complete. Public notice was published on 11/29/16 and comment period closed on 12/19/16. The District received a request for a contested case hearing from both the applicant and TESPA. TESPA requested the hearing to go before the State Office of Administrative Hearings (SOAH). BSEACD Board decided that the preliminary hearing to determine party status will be heard by SOAH. The General Manager has provided a Preliminary Decision with recommended Special Provisions, and a Technical Evaluation, that is available on the website www.bseacd.org. A preliminary hearing on party standing was held on 7/31/17 at SOAH. TESPA was granted party status. An initial hearing on the merits of the permit application is scheduled to take place March 5th 2018.
ASR Rulemaking	KBE, VE	5/4/2018	Rule Making / Technical Workgroup	The Regulatory staff and Aquifer Sciences staff are coordinating a technical workgroup meeting to take place in early December 2017. This meeting will be a discussion amongst technical ASR experts, interested ASR users, and District Technical staff. ASR Technical Workshop was held on 12/13/17 and the discussion was focused on regulatory and permitting concepts along with a brief update on current ASR activity within the District. The workshop notes and summary are coming together; staff will provide an update to the Board subcommittee in Spring 2018.
SH45 SW/ Mopac Intersections	KBE, VE	5/4/2018	Consent Decree/Roadway Projects	Next Site inspection: SH-45sw on 3/1/18. TXDOT is coordinating with District staff on regular visits to the Mopacs project site for geologic inspections.
Database Development	KBE, VE	5/4/2018	Intera Contract - Database Development	Intera is providing biweekly updates and status reports on their progress. They are currently in the design/prototype phase where the look and feel is still being developed. A prototype to preview will be available for staff to review by mid february.
General Manager Approved Permits	KBE, VE	5/4/2018	Individual Permits < 2,000,000 galyr	NA
Drought Stage- No-Drought	KBE, VE	5/4/2018	Drought Compliance Monitoring and Enforcement	No new update. No-drought was declared on January 29, 2015.
EDUCATION & OUTREACH TEAM Ruffin Gary				

Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
RG, JV, JC	5/1/18	Wed., Apr. 25 at District office	<p>This year's Well Water Checkup was held on Wednesday, April 25, 2018. Staff provided screening for 17 well owners. Well Water samples screened in-house for nitrate, pH, and salinity (TDS). Bacteria was processed by an off-site lab. Six of the 17 well water samples tested positive for total coliform bacteria. One of those samples tested positive for E. coli (fecal coliform bacteria). EPA drinking water standards do not allow for any bacteria in drinking water. Well owners with any bacteria found should re-test the water to eliminate the possibility of a false positive due to sampling procedures and can switch to drinking bottled water to be cautious or if they notice any change in color, taste, smell, etc. Some of the samples analyzed did contain detectable quantities of nitrate, but all were below the maximum concentration of 10 parts per million (ppm) deemed acceptable for drinking water by the EPA. All nitrate results were below the EPA standard of 1 ppm. Total dissolved solids (TDS) in water is analogous to salinity. Edwards Aquifer wells traditionally have TDS values between 250-450 ppm; Trinity Aquifer wells have higher variability and generally range from 700-1600 ppm.</p>
RG, JV, JC	5/1/18	<p>May 15-16: Hugo Lane, Falconwood, Summer Mt. Ranch off Ranch Road 12 *May 22-23: Northern segment of Hilliard Road</p>	<p>As a pilot program, District staff have scheduled several days for neighborhood site visits focused in two different areas. Site visits are free of charge. Staff will take a water level measurement (if possible), measure basic water quality, and take a sample to test for fecal coliform bacteria. The site visits are similar to the screening provided through the annual Well Water Checkup with the addition of a water level measurement. There are 16 slots available for each area. Sixteen people have signed up for the May 15-16, and several well owners are on a waitlist for the Hugo Lane, Falconwood, Summer Mt. Ranch off Ranch Road 12 event. Three well owners have signed up for the May 22-23; Northern segment of Hilliard Road event. Approximately 250 post cards were mailed to Hilliard well owners on 4/26. Road signs will go out in the coming weeks.</p>
RG	5/1/18	Benthic macroinvertebrates	<p>Phase II of the augmented reality water quality indicator game has begun. Staff has met with and solicited review comments from 7 different agencies and have prioritized suggestions/edits according to what is financially feasible and what best supports the District's teaching objectives. This year's tasks include adding two new characters (lobosonily, scud), editing the aquatic and riparian habitat cards to include native vegetation examples, creating an aquifer habitat card that shows the inside of a groundwater well with fault and solution cavity, developing a menu of all characters with links to 3D video, adding info button, and adding a photo option.</p>
RG, JV	5/1/18	Teacher Training: June 12-14, 2018	<p>Preparations have started for the 2018 Groundwater to the Gulf. Day 1 will be held at the Wildflower Center, Day 2 will be split between Barton Springs and the LCRA Redbud Center. Day 3 will be hosted out of the Austin Nature and Science Center, hopefully in collaboration with the River School to allow for a half-day canoe trip including Cold Spring.</p>
RG, JV	5/1/18	Potential collaboration on education trailer	<p>As part of Austin Cave Festival, the Colorado-based company, Cave Sun, brought their educational cave trailer. The trailer has cave passages equipped with sensors on "sensitive features" to teach about caves, habitat, recharge, and cultural heritage. Since Cave Festival, several groups have met to discuss the potential of having an Austin-based version that highlights the Central Texas groundwater resources, cave species, and development challenges.</p>
RG, JV	5/3/18	Page views and visits to the District Website	<p>There were 3,537 total page views by 1,485 unique visitors. Top sites in order of number of views are the home page (982), Maps (198), EP Production Permit Notice (174), Staff (141), and Well Owner Education (119). The District Facebook page now has 664 (up 13 from last month) 'Likes' and responses to posts have been very positive. Look for an increase in FB post frequency—we'll be posting a lot about this Spring's programs. The most popular FB post was about staff measuring wells as part of a Middle Trinity synoptic water level mapping project; it reached over 1,100 people.</p>

Brian Smith

	Leader, Staff	Date	PROJECT / ACTIVITY DESCRIPTION	STATUS/COMMENTS
Dye Tracing	BS, BH, JC	5/4/18	Dye tracing	The BSEACD participated in dye tracing in the Blanco River and Cypress Creek watersheds. Monitoring is ongoing and a report is pending. The monitoring for the Onion Creek dye trace study near Dripping Springs has concluded and a report is pending.
Central Hays County Groundwater Evaluation	BH, BS, JC	5/4/18	Well and hydrogeology characterization	AS staff have prepared a technical memo stating that there is a potential for unreasonable impacts from pumping of the EP wells at the requested permit amount. Testing of the multiport well in Rolling Oaks and Travis County is continuing.
Antioch Cave	BS, BH, JC	5/4/18	Onion Creek Recharge Enhancement Project	New equipment to control the Antioch valve were installed in March 2017. A new flow meter was installed in March 2018. The vault functioned as designed during the March 2018 rain event.
Water-Quality Studies	BS, BH, JC	5/4/18	Sampling and analysis of groundwater and surface water	District staff have been collecting groundwater samples for several projects.
Saline Zone Studies	BS, BH	5/4/18	Saline Zone report	Canolo Engineers has completed a draft final report for the RFP grant, which was submitted to TWDB on October 31. Aquifer Science staff completed a report of the multiport well testing and sampling that is a part of the RFP grant report. A final stakeholder meeting was held on November 28. The final report was submitted to the TWDB and is available on the BSEACD website.
Drought and Water-Level Monitoring	BH, BS, JC	5/4/18	Drought status, monitor wells, and synoptic water level events	As of May 4, the water level in the Lovelady well was at rising past 487.1 ft above msl, and Barton Springs was flowing steady at 55 cfs. April was a dry month. However, in late March a significant rain event of 3-4 inches provided some recharge, likely delaying entry into drought by some weeks. We anticipate entering drought without further rainfall in June.
Information Transfer	BS, BH, JC	5/4/18	Presentations, conferences, reports, and publications	Aquifer Science gave tours of the multiport and Antioch recharge facility to Texas A&M Kingsville students and visiting scientists from Denmark. A presentation was also made to the Blanco River Cypress Creek Watershed Association on Earth Day April 22.
Aquifer Testing	BS, BH, JC	5/4/18	Planning, participation, and review of aquifer tests	EP aquifer testing finished in January 2017. District staff received an application and hydrogeologic report from EP. Staff completed a technical review of EP's production application and produced three technical memos.
AD-HOC TEAMS				
Technical Team	BAS	3/1/18	Current areas of discussion	Topics of discussion at the technical team meeting in December were the RFP grant, dye trace studies, ASR rules, and the EP application.
Planning Team	KH	5/4/16	Strategic and tactical planning and discussion topics	New Business: New GM lining/transition, EPM revisions; TravCo ILA; Field investigations; Rutherford Ranch North;
UPCOMING ITEMS OF INTEREST				
First May Board meeting		5/10/18		
Neighborhood Site Visits--Hugo RR12 area		5/15/18-5/16/18	Water level and water quality screening site visits in Falconwood, Bridlewood, Summer Mt. Ranch	
Dripping Springs Contested Case at SOAI begins		5/21/18		
Neighborhood Site Visits--Hilliard		5/22/18-5/23/18	Water level and water quality screening site visits in northern section of Hilliard Rd.	
TAGD Business Meeting		5/21-22/18	2-5pm; Room 12N, Austin Doubletree	
Second May Board meeting		5/24/18	Awards presentations; legislative agenda, ILA with TravCo	
Memorial Day holiday		5/28/18	Office closed	
AGWT Texas Aquifers and Groundwater Annual Conference		6/6/18-6/7/18	7:30am - 5:00pm, Omni Soullpark (\$\$)	
GMA 10 Committee meeting		6/11/18	11:30 am, EAA offices in SA, ARM, KH, and KBE attending	
Groundwater to the Gulf		6/12/18-6/14/18	Summer Institute for Educators	
First June Board meeting		6/14/2016		

Item 4

Board Discussions and Possible Actions

- a. Discussion and possible action related to selecting the winning essay and naming the recipient of the 2018 Kent S Butler Memorial Groundwater Stewardship College Scholarship.**



**Barton Springs
Edwards Aquifer**
CONSERVATION DISTRICT

MEMORANDUM

Date: 5/1/2018

To: Board of Directors

From: Robin Gary

Re: Selection of winning scholarship essay

Directors:

This year we had four college scholarship essay applicants from four schools. After compiling scores from the panel of seven independent judges, one essay stands out as the highest ranked. **The Board Scholarship Committee met on April 24, 2018, and recommends the highest ranked essay be nominated as the winner of the 2018 Kent S. Butler Memorial Groundwater Stewardship Scholarship.**

The highest ranked essay is included in Board bound backup for review by the Directors. The collective score tally sheet is also included.

This year's applicants came from the Bowie, Dripping Springs, Lanier and McCallum High Schools.

Many thanks to our panel of judges for reviewing the essays. The judges represented a wide variety of interests and expertise. They included:

- Adeline Fox, Texas Water Conservation Association
- Vicky Kennedy, Travis County
- Justine Salsbury, El Ranchito at Shield Ranch
- Sarah Valdez, Edwards Aquifer Authority
- Bennie Bock, Creedmoor Maha Board of Directors
- Melissa Alderson, Texas Parks and Wildlife
- Erin Swanson, BSEACD

Both the judges' scores and the applicants' essays are anonymous at this point. I will have the personal information for the Committee's nominee at the Board meeting after the winning essay is officially declared by the Board.

Applicant 1								App. 1
Judge	A	B	C	D	E	F	G	TOTAL
Originality	18	30	16	20	28	25	28	
Quality and style	6	10	7	5	2	10	5	
Grammar and spelling	6	20	7	15	9	10	10	
Accuracy of information	10	15	5	20	10	10	5	
Bibliography and proper citation	1	0	1	0	1	0	1	
TOTALS	41	75	36	60	50	55	49	366
FINAL AVG								52.29

Applicant 2								App. 2
Judge	A	B	C	D	E	F	G	TOTAL
Originality	22	30	17	15	20	15	28	
Quality and style	10	20	10	25	15	12	10	
Grammar and spelling	10	20	9	18	15	15	13	
Accuracy of information	12	15	10	15	12	15	15	
Bibliography and proper citation	7	10	5	5	4	8	5	
TOTALS	61	95	51	78	66	65	71	487
FINAL AVG								69.57

Applicant 3								App. 3
Judge	A	B	C	D	E	F	G	TOTAL
Originality	14	20	24	15	17	20	28	
Quality and style	17	15	17	15	16	20	15	
Grammar and spelling	22	20	18	18	15	18	15	
Accuracy of information	20	15	16	17	11	18	16	
Bibliography and proper citation	7	5	7	5	5	10	7	
TOTALS	80	75	82	70	64	86	81	538
FINAL AVG								76.86

Applicant 4								App. 4
Judge	A	B	C	D	E	F	G	TOTAL
Originality	28	30	30	20	22	30	27	
Quality and style	18	20	19	19	19	20	18	
Grammar and spelling	18	20	19	18	19	20	18	
Accuracy of information	18	20	20	18	19	20	19	
Bibliography and proper citation	9	10	10	8	9	10	9	
TOTALS	91	100	98	83	88	100	91	651
FINAL AVG								93

Applicant 4

Kent S. Butler Memorial Groundwater Stewardship Scholarship

March 21, 2018

Protect the Future

With graduation just around the corner, I recently started to reflect on my four years in high school. Most people, when they think of high school, generally recall the basics, such as friends, sports, school dances, and more. But for me, some of my most vivid memories from my high school years will be of time spent along Onion Creek. I remember joining my parents in the process of finding a place to live when I was in middle school, and we found a three-acre piece of land in Driftwood where Onion Creek literally ran through the middle of the backyard. My parents were still considering other properties but I was dead set on this one from the first moment I saw it. To my luck, we ended up buying the land, and ever since then, that creek has brought so many special moments into my life. From teaching my little cousins how to paddle board, to having all of my friends over to swim and canoe whenever it is nice out, to walking my dogs across the dam of the creek, to spending all day with my Dad putting crawfish back into the water after floods, this little section of the creek means so much to me. However, an issue came to my attention in 2015 that could forever alter the creek in my backyard.

With the rapid population growth and development of Dripping Springs in the last few years, the city requested a permit from the Texas Commission on Environmental Quality to “discharge treated sewage into a tributary of Onion Creek,” dumping up to 995,000 gallons of treated wastewater into the creek every single day year round (Goldenstein). Onion Creek would not be the only waterway impacted by this discharge because it “ultimately feeds the Barton Springs portion of the Edwards Aquifer” (Price) resulting in potential issues both above and below

ground far beyond the boundaries of Dripping Springs. The reasons for concern about this discharge are numerous. Water pollution in local waterways is already increasing due to non-point source pollution causes. Additionally, human error or plant failure can result in actual untreated or partially treated wastewater being released into the water as we have seen in nearby communities like Kyle and Liberty Hill. The bottom line, though, is that this permit could cause a "threat to public health, Onion Creek and drinking water quality" (Barer) and other options must be considered for disposing of Dripping Springs' wastewater.

Adding treated effluent to Onion Creek will dramatically alter the chemical makeup and the water levels of the creek, forever changing its ecosystem. For example, the current amount of phosphorus per year in Onion Creek is one pound, and if the proposed permit were to be passed, that amount would increase to four hundred fifty pounds per year. Additionally, the treated wastewater would add nitrogen and residual chlorine. Both phosphorus and nitrogen are "contaminants that can severely degrade water quality," and lead to algal blooms (King). Large amounts of algae can create dead zones by consuming the oxygen that is necessary for the various species in the creek to live. Algae also produces toxins that can harm and potentially hurt both people and wildlife. Even if the toxins were not present, algae can still be harmful by "blocking out sunlight and clogging fish gills" ("Climate Adaptation and Harmful Algal Blooms").

The potential harm to both humans and wildlife who use Onion Creek is clear but less obvious, initially, was evidence that treated wastewater would impact the drinking water of well users along the creek. When questions began to arise of where the discharged surface water would end up once sent downstream and how the surface water reacted with groundwater, hydrogeologic and dye-trace studies were planned by the "Hays Trinity Groundwater Conservation District

Applicant 4

(HTGCD), City of Austin (CoA), Barton Springs/Edwards Aquifer Conservation District (BSEACD), and the Meadows Center for the Environment (Texas State University, TSU)" (Broun et al). In December of 2017, dye was injected into Onion Creek at several locations. Samples were taken from local wells to find any dye and to determine the source. The early results from the experiment showed that Onion Creek was connected to wells that were supplying water to several homes. Clear evidence was presented to support the opposition of the Dripping Springs permit when Sharon Darley, a woman whose water comes directly from the Trinity Aquifer, frighteningly discovered her water to be bright pink just twenty-four hours after red dye was injected into Onion Creek. The "Pepto-Bismol pink" water was flowing from her sinks and faucets, as well as the water used for her family's barn (Lanmon). The initial results of the dye-trace test demonstrated that "dumping treated wastewater into the creek will directly impact some homes that use well water," and it would put many people's water supply at risk (Lanmon). If small dye tests could turn someone's water bright pink, people are fearful of what nearly a million gallons a day of treated effluent could do!

The proven possibility that treated wastewater could end up in drinking water raises concerns as to the level of treatment of that wastewater, the possible things that would not be filtered out (household chemicals and pharmaceuticals), and the potential for treatment plant failure. As it is clear that the drafted permit by the city of Dripping Springs will have negative effects on Onion Creek, alternatives are being proposed in hopes of avoiding this daily discharge from happening. One of the solutions is to continue to irrigate using treated wastewater underground, or to continue spraying it onto land, which both are much "less likely to pollute nearby creeks" (King). Another potential alternative is called "direct potable reuse" (Price). This solution would bring the treated wastewater "directly piped back to a water treatment plant," completely

Applicant 4

avoiding the creek and following the example of several other communities in California and Texas (Price).

I believe that there are several options in handling the growth of Dripping Springs that do not involve harming Onion Creek or the people who love it. I have attended city council and TCEQ meetings as well as Dripping Springs Town Hall Meetings and I am disappointed that the City of Dripping Springs has done zero scientific research to justify the permit. The evidence that I have seen and read makes it clear that "any dumping could pose a risk to the area's drinking water supply and cause algae blooms that would threaten wildlife" (Goldenstein). I am passionate about saving this creek because of what it means to me and because I believe my family, friends, and community are at risk. People need to become informed and recognize that pollution prevention is crucial when it comes to saving Onion Creek, as well as other creeks out there that are facing the same issue. The bottom line is that adults are not the only ones being affected by a potential treated wastewater discharge. Future generations are going to have to live and pay the price for the decisions that are made now. I can only hope that the adults act responsibly and protect Onion Creek!

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Item 4

Board Discussions and Possible Actions

b. Discussion and possible action related to the approval of a resolution to add the new General Manager Alicia Reinmund-Martinez and delete the former General Manager to those District representatives authorized to have check-signing authority, and for the staff to arrange with the District's financial institutions for her to have such authority effective May 29, 2018.

STATE OF TEXAS	§	
	§	RESOLUTION #051018-01
COUNTIES OF TRAVIS		
HAYS AND CALDWELL	§	

BARTON SPRINGS / EDWARDS AQUIFER CONSERVATION DISTRICT

Banking Authorization for BB&T Bank Accounts

WHEREAS, the Barton Springs/Edwards Aquifer Conservation District (the District) hereby resolves to amend the signature card on file for the BB&T financial institution in which the District conducts business;

WHEREAS, the District desires to allow any one of the authorized signatories to sign checks from the BB&T checking account consistent with internal financial procedures and controls;

WHEREAS, the District desires to maintain the status for the requirement of two signatures necessary for cash/check withdrawals in excess of \$500.00 from the two BB&T checking accounts;

WHEREAS, John Dupnik has resigned as the District General Manager and needs to be removed; and

WHEREAS, Alicia Reinmund-Martinez is the new District General Manager and needs to be added to have signature authority on both BB&T accounts.

NOW THEREFORE BE IT RESOLVED that the District Board of Directors -

- (1) continues to recognize Craig Smith as a signatory for both BB&T accounts;
- (2) continues to recognize Robert D. Larsen as a signatory for both BB&T accounts;
- (3) continues to recognize Brian Smith as a signatory for both BB&T accounts;
- (4) continues to recognize Mary Stone as a signatory for both BB&T accounts;
- (5) continues to recognize Blayne Stansberry as a signatory for both BB&T accounts;
- (6) continues to recognize Blake Dorsett as a signatory for both BB&T accounts;
- (7) continues to recognize Dana Christine Wilson as a signatory for both BB&T accounts; who is specifically authorized to manage all BB&T accounts;
- (8) designates Alicia Reinmund-Martinez to be added as a signatory for both BB&T accounts; and
- (9) requests John Dupnik to be deleted as a signatory for both BB&T accounts.

**Banking Authorization
Resolution # 051018-01
Page 2 of 2**

THEREFORE, the following is a complete list of authorized signatories on behalf of the District as of the date of this Resolution, for purposes of conducting financial transactions concerning the District:

BB&T Accounts:

Alicia Reinmund-Martinez	General Manager
Mary Stone	Director Precinct 1
Robert D. Larsen	Director Precinct 4
Craig Smith	Director Precinct 5
Brian Smith	Principal Hydrogeologist
Blayne Stansberry	Board President, Precinct 2
Blake Dorsett	Board Secretary, Precinct 3
Dana Christine Wilson	Senior Administration Manager

The motion passed with _____ ayes, and _____ nays.

PASSED AND APPROVED THIS ____ DAY OF _____, 2018.

Blayne Stansberry
Board President

ATTEST:

Blake Dorsett
Board Secretary

Item 4

Board Discussions and Possible Actions

c. Discussion and possible action related to the approval of a resolution to authorize the District staff to utilize electronic funds transfers for payroll and disbursements in lieu of checks, at its discretion.

STATE OF TEXAS

§

§

RESOLUTION #051018-02

COUNTIES OF TRAVIS

HAYS AND CALDWELL

§

BARTON SPRINGS / EDWARDS AQUIFER CONSERVATION DISTRICT

Authorization for Electronic Disbursements

WHEREAS, the Barton Springs/ Edwards Aquifer Conservation District (District) is a political subdivision of the State of Texas operating under Chapter 36 of the Texas Water Code and Chapter 8802 of the Texas Special District Local Laws Code; and

WHEREAS, the Board of Directors (Board) is responsible for the management of District assets and funds; and

WHEREAS, the Board desires to allow for the timely payment of bills and payroll in a manner consistent with state law; and

WHEREAS, § 36.151 of the Texas Water Code provides that by resolution the Board may authorize payroll disbursements by electronic direct deposit and allow disbursements to be transferred by federal reserve wire system or by electronic means, to accounts in the name of the District or accounts not in the name of the District; and

WHEREAS, in accordance with the Texas Water Code the Board desires to authorize payroll disbursements by electronic direct deposit and to allow disbursements to be transferred by federal reserve wire system or by electronic means, to accounts in the name of the District or accounts not in the name of the District; and

WHEREAS, this resolution is recorded in the minutes of the Board meeting and adopted at a properly noticed meeting held in accordance with the Texas Open Meetings Act, Chapter 551 of the Texas Government Code.

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors that:

- 1.** The District may, in a manner consistent with its internal financial procedures and controls, make:
 - a.** electronic direct deposits of payroll; and,
 - b.** disbursements by federal reserve wire system or by electronic means, to accounts in the name of the District or accounts not in the name of the District

2. The General Manager is hereby authorized to take any and all action that may be required to implement this Resolution.

The motion passed with _____ ayes, and _____ nays.

PASSED AND APPROVED THIS _____ DAY OF _____, 2018.

Blayne Stansberry
Board President

ATTEST:

Blake Dorsett
Board Secretary

Item 4

Board Discussions and Possible Actions

d. Discussion and possible action related to the City of Dripping Springs application for a TPDES permit to authorize direct discharge of treated wastewater to Onion Creek in the contributing zone of the Barton Springs segment of the Edwards Aquifer.

Item 5

Director's Reports

Directors' Reports.

Directors may report on their involvement in activities and dialogue that are of likely interest to the Board, in one or more of the following topical areas:

- **Meetings and conferences attended or that will be attended;**
- **Committee formation and updates;**
- **Conversations with public officials, permittees, stakeholders, and other constituents;**
- **Commendations; and**
- **Issues or problems of concern.**

Item 6
Adjournment