

**BEAR VALLEY WATER DISTRICT****BOARD MEETING****March 15, 2020 - 10 A.M.**

Conference Room

441 Creekside Drive, Bear Valley, CA 95223

Call- In Info: 605-475-5920 Access Code: 475-0045

**MINUTES REGULAR BOARD MEETING****DECLARATION OF A QUORUM**

President Bissell called the meeting to order at 10:30 A.M. Directors present were John Boyle, Treasurer, Ken Brown, Secretary, Staff present were General Manager Jeff Gouveia and Office Manager Judi Silber. Public present were Robert Fraser and Diane Lundquist, via teleconference. Absent with notice Gunnar Thordarson, Director.

*Public comments on agenda items will be limited to 3 minutes or otherwise at the discretion of the Board Chair.*

**PUBLIC FORUM**

Any member of the public may address and ask questions of the Board relating to any matter within the Board's jurisdiction provided the matter is not on the agenda or pending before the Board.

**BOARD BUSINESS****1. The Board will consider adoption of the January 21, 20 Board Meeting minutes**

Motion Boyle Second Brown to approve the January 21, 2020 Minutes as presented.

AYES: Bissell, Boyle, Brown

NOES:

ABSENT: Thordarson

MOTION CARRIED

**2. Board Vacancy – Government Code Section 1780 – Remaining Members of the Board to Consider Appointment to Fill The Vacancy from Qualified List of Candidates – Discussion and Possible Action Item**

Vice President, Stefaniya Becking resigned from the Board of Directors at the last meeting on January 21, 2020. The District elected to follow the Vacancy Policy and appoint a qualified candidate. The District e-blasted it's customers via Constant Contact, put a Notice of Vacancy in the local Cub Reporter, posted the Notice of Vacancy locally at the library, post office, and Sheriff's office. The District received applications from Robert Fraser, Diane Lundquist, and Chris Smith. All three candidates were well qualified and knowledgeable regarding business generally with some having experience with wastewater permitting and the operations of water and wastewater systems. General Manager Gouveia conveyed to the candidates who were not appointed that he hoped they will consider resubmitting their applications in the future when new vacancies occur. Discussion ensued on the qualifications of each candidate.

Motion Bissell Second Brown to appoint Diane Lundquist, a retired civil engineer, as the new Director to fill the remaining term for Stefaniya Becking, which expires on 12-01-2021.

AYES: Bissell, Boyle, Brown

NOES:

ABSENT: Thordarson

MOTION CARRIED

### **3. Manager's Report – General Manager**

See Attachment.

### **4. Financial Report – General Manager**

#### **4.1 P&L and Balance Sheet Reports - Discussion and Possible Action Item**

Motion Boyle Second Brown to accept the P & L and Balance Sheet as presented.

AYES: Bissell, Boyle, Brown

NOES:

ABSENT: Thordarson

MOTION CARRIED

#### **4.2 Accounts Payable Report - Discussion and Possible Action Item**

Motion Boyle Second Brown to accept the Accounts Payable Reports are presented.

AYES: Bissell, Boyle, Brown

NOES:

ABSENT: Thordarson

MOTION CARRIED

#### **4.3 A/R & Aging Reports – Discussion**

The ending Accounts Receivable balance as of March 12, 2020 was a credited balance of \$32,092.87. The previous year had a credit balance of \$18,739.74.

### **5. Board Member Reports**

GM Gouveia will present the preliminary budget at the June meeting.

The next board meeting will be on Tuesday, June 23<sup>rd</sup> at 9:00 A.M.

Supervisor Terry Woodrow will swear in Diane Lundquist at the next meeting on June 23, 2020.

Office Manager Silber will send Diane Lundquist the link for the Fair Political Practices Commission for the Form 700 and the link for the AB1234 training.

President Bissell adjourned the meeting at 12:15 P.M.

# AGENDA ITEM

DATE: MARCH 15, 2020

TO: BVWD BOARD OF DIRECTORS

FROM: JEFF GOUVEIA, DISTRICT GENERAL MANAGER

RE: MANAGER'S REPORT

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## 1. Collections, Treatment & Disposal Operations - Update

- a. Flows - Influent Flows & Pond Transfers
- a. Volumes - Storage, Capacity & Disposal

Transferred to PR (MG) Volume of water moved from treatment to storage 0.365 (MG).

Current storage volume = 7066.7 = 6.02 MG = 7.9% (3/12/2020). GM foresees no surface discharge in 2020 nor any challenges emptying the reservoir.

## 2. Permit Compliance & Monitoring & Reporting Programs (MRPs) - Update

- a. WDR MRP - Land Discharge Permit – Compliance & Reporting Update
  - i. Reporting Status Matrix – All Monthly Reporting Submitted On-Time
- b. NPDES MRP – Surface Water Discharge Permit – Compliance & Reporting Update
  - i. Reporting Status Matrix – All Monthly Reporting Submitted On-Time
  - ii. NPDES Permit Renewal – Preparing for February 1, 2021 Submission
    - i. Report of Waste Discharge – Due February 1, 2021
    - ii. Salinity Evaluation and Minimization Plan – February 1, 2021
    - iii. Anti-degradation Analysis – To Relax Seasonal Discharge Prohibition

## 3. Other

- a. DSOD Inundation Map & Emergency Action Plan (EAP) – Update

GM reported that the inundation maps had been submitted to the Department of Safety of Dams and

one minor correction had been requested be addressed prior to approval. Mead & Hunt, contracted by the District to prepare the maps completed the correction and the maps have been re-submitted and are awaiting approval. Once approved, the maps will be combined with the District's draft Emergency Action Plan (EAP), to be prepared by the General Manager, and submitted to the California Department of Emergency Services (OES) for approval. The deadline for the District's submission of its draft EAP is January 1, 2021.

b. Alpine County Wildfire Risk Mitigation Plan – Feb 26 Public Workshop

Alpine County Wildfire Risk Mitigation reduces risks and protects resources throughout the county. The WRMP will identify the important resources and assets within the county that are important to protect and develop GIS maps. With this plan, the county will go after grants to fund the plan. GM attended the public workshop and remains engaged in the process.

c. Alpine County Public Health Brief

GM is following the public health briefs from Alpine County Health Office Richard O. Johnson.

d. COVID-19 Guidance for Wastewater Workers

The Occupational Safety and Health Administration (OSHA) recently released guidance for wastewater workers, reporting that the coronavirus has been found to be removed from the treatment process through conventional disinfection already occurring at treatment facilities. The Water Environment Federation (WEF) has released the Water Professional's Guide to COVID19.

e. Other

GM stated that the District has an opportunity to escalate the permit cycle of June 2020. He recommended that the Board support submitting the Report of Waste Discharge in FY 2019-20 instead of as previously budgeted in FY 20-21.



# AGENDA ITEM

DATE: JUNE 23, 2020

TO: BVWD BOARD OF DIRECTORS

FROM: JEFF GOUVEIA, DISTRICT GENERAL MANAGER

RE: LOCAL AGENCY FORMATION COMMISSION

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## BACKGROUND AND DISCUSSION:

Established by the California Legislature in 1963 recognizing that boundary determinations to discourage sprawl and encourage orderly government are best regulated at the local level, Local Agency Formation Commissions (LAFCO) are California regional service planning agencies responsible for approving, establishing, expanding, reorganizing, and, in limited circumstances, dissolving cities and special districts and their municipal service areas to meet current and future community needs.

Known commonly today as the *Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000* which added significant reforms to the original law, LAFCOs have both regulatory and planning powers. LAFCOs use their planning powers to influence land use by adopting and revising "Spheres of Influence" documents which establish a city or special district's future boundary and service areas. LAFCOs regulate by reviewing and acting on proposals to change boundaries. These powers are generally exercised in response to applications filed by other local agencies, landowners or registered voters. LAFCOs are also allowed to initiate certain proposals if consistent with a recommendation from its own planning studies, such as establishing, consolidating, or even dissolving special districts.

LAFCOs control nine types of boundary changes: annexations, detachments, dis-incorporations, dissolutions, formations, incorporations, mergers, consolidations, subsidiary districts, and reorganizations. Most relevantly, LAFCOs are tasked with preparing and approving both Spheres of Influence and Municipal Service Reviews (MSR) typically conducted on all special districts every five years. In conducting an MSR, LAFCOs must review all of the agencies that provide the public services within a study area.

Since 1972, state law made it possible for LAFCOs to expand their memberships by adding two representatives of independent special districts. Today, just over half of all LAFCOs have commissioners representing special districts. Originally, state law required the county governments to pay for LAFCOs. However, with the passage of AB 2838 (Hertzberg, 2000), the Legislature required cities and independent special districts to share the counties' fiscal burden. Each sector (county, city, district) typically pays one-third of a LAFCO's budget.

The process of seating special district representatives was streamlined through legislation sponsored by the California Special Districts Association (CSDA) and the California Association of Local Agency Formation Commission (Cal LAFCO) in 2017. Assembly Bill 979 (Lackey), simplified the process by enabling districts to solicit a vote for representation by a written request of a district representing 10% or more of the assessed value of taxable property in the county. If a majority of committee members support representation, districts are seated on the Commission.

As discussed above, LAFCOs impact special district governance and operations whether special districts have representation on LAFCO or not. While there are no developing or pending LAFCO actions in Alpine County or anticipated to impact the Bear Valley Water District directly, the potential for a LAFCO MSR or an application by a landowner or other local agency still exists. Through the important work recently performed by CSDA in Alpine County on behalf of Kirkwood Meadows PUD, Markleeville PUD and the Bear Valley Water District, the District should consider the current opportunity to secure representation on the County LAFCO commission to influence future LAFCO regulatory and planning decisions.

## **RECOMMENDATION**

### **ACTION:**

1. Review and comment on potential BVWD representation on the Alpine County LAFCO and the enclosed cost worksheet.
2. Provide staff direction on the development of a resolution approving LAFCO membership and the District's share of cost.

### **Attachments:**

- Memo from Dane Wadle dated March 18, 2020
- Alpine County LAFCO Operational Costs with Proposed Special District Costs
- Alpine County Official LAFCO Website
- CSDA Announcement RE: Tuolumne County Special Districts & LAFCO
- CSDA LAFCO Representation White Paper

## Jeff Gouveia

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**From:** Dane Wadle <danew@csla.net>  
**Sent:** Wednesday, March 18, 2020 11:18 AM  
**To:** Jeff Gouveia; dharden@ben-en.com; Erik Christeson  
**Subject:** Alpine County LAFCO Update  
**Attachments:** Alpine Districts LAFCO Dues Breakdown.xlsx

Hi All:

Hope everyone is staying safe.

I wanted to provide an update on the LAFCO situation. Erik contacted me today and informed me that his Board has voted to move forward with LAFCO representation and has agreed to take on 75% of the special district cost share.

I have attached a revised spreadsheet that shows the three districts contributions with the current Alpine County LAFCO budget of \$2,975.

The next steps:

1. Determining the allocation of the remaining 25% of the special district dues between Markleeville and Bear Valley.
2. Once a final financial agreement is reached; have each district adopt a resolution approving LAFCO membership and their share of the cost. These resolutions would then be submitted to the County and the County would be tasked with conducting an election to elect two special district representatives from the three Boards. I can provide you with a sample resolution at the appropriate time.

I feel it is important to reach out to County electeds and staff to update them as to what we are doing and what is coming. My guess is this issue is (understandably) not on their radar. Once we get through COVID-19, I will be meeting with the appropriate County staff. Of the County supervisors on LAFCO (Don Jardine, Terry Woodrow and Ron Hames), who would be the best to contact?

I understand we all have other priorities right now with the pandemic. I just wanted to update all as to where we stand and keep the process moving forward.

Thank you for your continuing participation and assistance.

Take care,  
Dane

**Dane Wadlé, CPFO**

*Senior Public Affairs Field Coordinator*

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CSDA Finance Corporation

# GOVERNMENT CODE COST SHARE - SPECIAL DISTRICT LAFCO REPRESENTATION

Based on FY 2019-20

## ALPINE COUNTY LAFCO OPERATIONAL COSTS

	EXPENSES COVERED BY LAFCO AGENCIES <sup>1</sup>	SPECIAL DISTRICT COST SHARE (1/2 Split)	County Budget (General Fund + Special Revenue Funds) = 23.2 Million
TOTAL FY 2019-20 BUDGET EXPENSES	\$2,975.00	\$1,487.50	

## SPECIAL DISTRICT COSTS

	TOTAL REVENUE <sup>2</sup> per GC 53681(b)(1)(C) SCO Report - FY 2017-18	PROPORTION OF TOTAL REVENUE	ADJUSTED PROPORTION OF TOTAL REVENUE <sup>3</sup>	PROPORTIONAL DISTRICT COST 1/2 SPLIT
<b>INDEPENDENT SPECIAL DISTRICT</b>				
<i>Utilities Districts</i>				
Kirkwood Meadows PUD	\$9,512,783.00	91.57%	75.00%	\$1,115.63
Markleeville PUD	\$67,163.00	0.65%	1.92%	\$28.50
<i>Water District</i>				
Bear Valley Water District	\$809,132.00	7.79%	23.08%	\$343.37
<b>TOTAL SPECIAL DISTRICT REVENUE</b>	<b>\$10,389,078.00</b>			<b>\$1,487.50</b>

## Notes

- These are Alpine County LAFCO's budgeted expenses for the 2019-2020 fiscal year as outlined in the County budget document. The County currently covers this cost.
- This total revenue is calculated per Government Code 53681(b)(1)(C) based on the following revenues reported in the latest State Controllers Report:  
Enterprise Operating + Enterprise Non-Operating + Non-Enterprise Gen Purpose - Total Inter Governmental
- Gov Code 56381(f) does not allow any district to pay more than 50% of costs without consent. The share beyond 50% is proportionally split by the remaining districts.

**NOTE:** A different cost share can be agreed to by a majority vote, but no District can be required to pay more than the above share or 50% without their consent.



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# Alpine COUNTY california

[Home](#) > [Departments](#) > [County Clerk](#) > Local Agency Formation Commission (LAFCO)

## Local Agency Formation Commission (LAFCO)

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### Meetings

- 1:30 p.m.
- Third Tuesday in February, April, June, August, October, and December as needed
- Board of Supervisor's Chambers  
Administrative Office Building  
99 Water St.  
Markleeville, CA

### Agendas & Minutes

Agendas are available prior to the meetings. Minutes are available following approval.

[Most Recent Agenda](#) | [View All Agendas and Minutes](#)

### Members

- Teola Tremayne, Executive Officer / Clerk
- David Prentice, Legal Counsel
- Donald M. Jardine, County Member
- Terry Woodrow, County Member
- Ron Hames, County Member
- Mary Rawson, Alternate County Member
- Evan Mecak, Public Member
- Vacant, Alternate Public Member
- Kris Hartnett, Public Member

### More Information

For more information on the Local Agency Formation Commission, visit the [California Local Agency Formation Commission](#) website.*Like*  
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LOCAL AGENCY FORMATION COMMISSION  
OF THE COUNTY OF ALPINE

Barbara Howard  
Executive Officer

P.O. Box 158  
Markleeville, CA 96120

Telephone 530-694-2281  
FAX: 530-694-2491

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**\*\*\*NOTICE\*\*\***

**The regular meeting of the Local Agency Formation Commission of the County of Alpine (LAFCO), scheduled for Tuesday, February 21, 2012 at 1:30 p.m. has been cancelled.**

**The next regular meeting is tentatively scheduled for Tuesday, April 17, 2012 at 1:30 p.m. in the Board Chambers, Administrative Office Building, 99 Water Street, Markleeville, California.**

---

Barbara Howard, Executive Officer / Clerk  
Alpine County Local Agency Formation Commission



**California Special  
Districts Association**

*Districts Stronger Together*

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## Tuolumne County Special Districts Obtain LAFCO Representation

By Vanessa Gonzales posted 20 hours ago

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A two-year process was completed on May 26 when two special district representatives were formally seated on the Tuolumne County Local Agency Formation Commission (LAFCo). Tuolumne County joins 30 other counties with special district representation on the LAFCo.

In May 2018, Tuolumne County districts held an initial meeting to discuss securing LAFCo representation. Since that time, additional meetings were held to discuss the process, allocate the cost share among districts, and work with the county and the City of Sonora to accomplish this goal.

The process of seating district representatives was streamlined through legislation sponsored by the California Special Districts Association and the California Association of Local Agency Formation



Chat-How Can We Help?





Commissions in 2017. Assembly Bill 979, authored by Assembly Member Tom Lackey, simplified the process by enabling districts to solicit a vote for representation by the written request of a district representing 10% or more of the assessed value of taxable property in the county. After this request is submitted, LAFCo conducts a vote of the independent special districts selection committee. If a majority of committee members support representation, districts are seated on the Commission.

The Tuolumne Utilities District, representing 10% of more of the assessed value of taxable property in the County, made the initial request and a vote of the independent selection committee was convened. The vote was successful, and districts elected two regular representatives and one alternate. The elected individuals are:

- Ron Kopf, Tuolumne Utilities District, Regular Member
- John Feriani, Tuolumne City Sanitary District, Regular Member
- Adam Artzer, Tuolumne Fire District, Alternate Member

The benefits of securing representation are significant. Districts will sit on this regional forum as a co-equal partner with their peers in the County and the City. They will also have a direct voice in decisions governing boundary changes, consolidations, annexations, formations, dissolutions, service extensions, and other LAFCo actions. On the Commission, districts will participate in the preparation and approval of Spheres of Influence and Municipal Service Reviews that are typically conducted on districts every five years. Finally, this vote demonstrates that special districts can effectively collaborate with their local government peers and enhances the stature of LAFCOs as the appropriate forum to review (and ultimately make decisions) on how services are provided in each county.

The process would not have been completed without the dedication and persistence of district representatives, LAFCo Commissioners and staff, and other local agencies. CSDA thanks these participants for their work!

The Association also thanks Assembly Member Lackey for authoring AB 979 to provide a simplified process for districts to obtain representation.

#AdvocacyNews  
#FeatureNews

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<https://www.csdanet.org/blogs/vanessa-gonzales/2020/06/01/tuolumne-county-special-districts-obtain-lafco-rep>





**California Special  
Districts Association**  
*Districts Stronger Together*

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# SPECIAL DISTRICT REPRESENTATION ON LAFCO

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**California Special  
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Since 1972, state law made it possible for Local Agency Formation Commissions (LAFCOs) to expand their memberships by adding two representatives of independent special districts. Today, just over half of all LAFCOs have commissioners representing special districts. LAFCO commissioners are appointed as follows:

- *Two County Supervisors:* Each county's board of supervisors appoints two of its members to serve on LAFCO. The county supervisors also select a third supervisor as an alternate.
- *Two City Councilmembers:* In counties with two or more cities, there is a "city selection committee" composed of the cities' mayors. The city selection committee appoints two elected city officials (city council members or mayors) and one alternate to serve on LAFCO.
- *Two Special District Board Members:* In 30 counties, the LAFCOs also have special district members. An "independent special district selection committee" composed of the presiding officers of each independent district appoints two district board members and one alternate to serve on LAFCO.
- *One Public Member:* The six (or four) appointed LAFCO commissioners choose the seventh (or fifth) commissioner, a public member, and one alternate. Professors, civic activists, and former elected officials often serve as public members on LAFCOs.

### **Who Generally Pays for LAFCO Operations?**

Originally, state law required the county governments to pay for LAFCOs. With the passage of AB 2838 (Hertzberg, 2000), the Legislature required cities and independent special districts to share the counties' fiscal burden. Each sector (county, city, district) typically pays one-third of a LAFCO's budget. Where there is no independent special district representation on the LAFCO, the county and cities split the funding responsibility. Statutory formulas allocate the cities' default share among the cities and the independent special districts' share among the districts based on each agency's annual revenue. However, local officials can negotiate alternative formulas.

State law allows a LAFCO to charge fees to recover its costs of reviewing boundary changes and other actions. Most LAFCOs require the proponents to pay these fees when they apply for the boundary change, regardless of whether the applicants are voters, property owners, or local agencies.

### **Do Special Districts, Cities, and Counties Always Need to Split Costs Equally?**

No. Some LAFCOs have special membership formulas. Three counties, Alpine, Mariposa, and Trinity have no incorporated cities, so their LAFCOs consist of three county supervisors and two public members. The three supervisors appoint the other two commissioners and one alternate.

Some counties, such as Sierra County, have only one incorporated city. Their LAFCOs have two county supervisors, one city council member, and two public members. The three elected officials appoint the two members of the public and one alternate.



For reasons relating to local politics, geography, and population, some LAFCOs have unique membership/funding formulas. For example, in Butte County, special districts collectively pay 10 percent of the LAFCO budget, in Sonoma County they pay 20 percent of the budget, and in San Diego County they pay two-sevenths.

In Santa Clara County, LAFCO splits costs between the cities, county, and special districts evenly. However, the special district portion is divided based upon an alternative formula. Santa Clara Valley Water District pays 50 percent of the special district share and is guaranteed one of the two special district seats on the LAFCO. The remaining districts split the other 50 percent of the special district share based upon budget size and elect the second district representative.

For a detailed breakdown of each LAFCO's representation and funding formulas, please see the attached document.

### **What are the Benefits of Representation?**

LAFCOs impact special district governance and operations whether special districts have representation on LAFCO or not. When determining whether to acquire representation on LAFCO, special districts may consider the following:

- LAFCO is one of the very few regional forums where special districts can sit as equals in decision making with their peers from cities and the county.
- Districts have a direct voice in policy development and decisions governing boundary changes, consolidations, annexations, formations, dissolutions, service extensions, power activation, and other actions of the LAFCO.
- Districts participate in the preparation and approval and Spheres of Influence and Municipal Service Reviews, which are typically conducted on all special districts every five years.
- Districts' perspective and expertise are included in a commission that has oversight over the very existence and growth of special districts.
- Demonstrating that special districts can take responsibility at the local-level and collaborate effectively with their local government peers through LAFCO fortifies the reputation of districts and protects against, forced consolidations and other mandates from the State.

### **Are There Any Additional Considerations?**

The process to be seated on LAFCO is specified in Government Code §§ 56332 and 56332.5.

Formerly, the process to be seated on LAFCO required that independent special districts within the county must initiate the process through a resolution. There was a one-year period for a majority of the independent special districts in the county to adopt the resolution. If a majority of district boards approved the resolution, the LAFCO would have convened an independent special district selection committee to select the two voting commissioners and one alternate.

However, CSDA and CALAFCO co-sponsored legislation, AB 979 (Lackey) of 2017 simplified this bureaucratic process by allowing special districts to simply vote on LAFCO representation using an existing statutory process (Government Code § 56332).

Now, special districts can participate on LAFCO simply by a vote of a quorum of what's called the "independent special districts selection committee". If special districts in a county do not yet have representation on LAFCO, then this committee has likely never convened. It consists of the presiding officer (board president or chair) of each independent special district in the county. If a



special district's presiding officer is unable to participate, the district may appoint an alternate representative from its board.

A vote to determine special district representation on LAFCO is conducted by the LAFCO executive officer at an in-person meeting or by mail-ballot. Such a vote can be called by one of two methods:

1. Upon written request to the LAFCO executive officer by one or more members of the above-referenced independent special districts selection committee representing 10 percent or more of the assessed value of taxable property within the county, as shown on the last equalized county assessment roll; or
2. Upon adoption of a resolution by the LAFCO proposing representation of special districts upon the commission.

Importantly, a vote on LAFCO representation is also an opportunity to appoint the special district representative for the Countywide Redevelopment Agency Oversight Board. The first such appointment must occur prior to July 15, 2018. Should the post remain unfilled by July 15th, the Governor may appoint any individual to that position. (Health and Safety Code § 34179)

### **Where Should We Start?**

If you are interested in learning more about special district representation on LAFCO, you should start by reaching out to the Executive Officer of your county's LAFCO. You can find a roster for all 58 LAFCOs at [www.calafco.org](http://www.calafco.org). You can also speak with your local CSDA public affairs field coordinator who can connect you with other special district leaders in your county who may be interested in working with you. Find your public affairs field coordinator at [www.csda.net](http://www.csda.net).

# Local Agency Formation Commissions

**Are you  
seated on  
LAFCo?**

**LAFCos with  
Special District  
representation**



***Govern with your peers – Claim your seat on LAFCo***

**APPORTIONMENT OF LAFCO NET OPERATING EXPENSES BETWEEN GENERAL MEMBERSHIP CLASSES AND  
BETWEEN AGENCIES WITHIN EACH MEMBERSHIP CLASS<sup>1</sup>**

	<b>County</b>	<b>Cities<sup>2</sup></b>	<b>Districts<sup>3</sup></b>	<b>Govt. Code §</b>
<b>County, City &amp; Special District Representation</b> [Alameda, Calaveras, Contra Costa, El Dorado, Humboldt, Lake, Mendocino, Nevada, Placer, Riverside, San Luis Obispo, San Mateo, Santa Cruz, Santa Barbara, Shasta, Sutter, Ventura] <b>Except the Following:</b>	33⅓%	33⅓% Individual apportionments in proportion to each city's total revenues	33⅓% Individual apportionments in proportion to each district's total revenues	56381(b)(1)(A)
Butte	45%	45%	10%	56381(b)(4)
Kern	33⅓%	33⅓%	33⅓% Individual apportionments in proportion to operating revenues	56381(b)(1)(C),(E)
Los Angeles	38.462%	Los Angeles: 15.385% All Others: 23.077%	23.077%	56326; 56381; 56381.6
Mono	50%	Mammoth Lakes: 50%	0	56381(b)(4)
Monterey	33⅓%	33⅓%	33⅓% Hospital District: 25% All Others: 75%	56381(b)(1)(C)-(F)
Orange	33⅓%	33⅓% Individual apportionments based on population and area in sq. miles	33⅓% Individual apportionments based on alternative formula	56381(b)(1)(B),(C)
San Diego	2/7	San Diego: 1/7 All Others: 2/7 Individual apportionments in proportion to general revenues	2/7	56328; 56381; 56381.6
Sonoma	40 %	40%	20%	56381(b)(4)
San Bernardino	33⅓%	33⅓%	33⅓% <b>See Note #4</b>	56381(b)(1)(C)-(F)



	<b>County</b>	<b>Cities<sup>2</sup></b>	<b>Districts<sup>3</sup></b>	<b>Govt. Code §</b>
Sacramento	33⅓%	33⅓% Sacramento: 50% All Others 50%	33⅓% SMUD: 50% All Others: 50% Individual apportionments except SMUD based on five yr. average of total revenues	56326.5; 56381; 56381.6
Santa Clara	33⅓%	San Jose: 16.7% All Others: 16.7%	33⅓% Santa Clara Valley Water District pays	56327; 56381; 56381.6
<b>County &amp; City Representation (No Districts)</b> [Amador, Del Norte, Glenn, Lassen, Madera, Merced, Modoc, Plumas, Stanislaus, Sierra, Yuba] <b>Except the Following:</b>		50%  Individual apportionments in proportion to total revenues	-	56381(b)(2)
Colusa	Based on % population of the cities and unincorporated area		-	
Kings	50%	50% Individual apportionments in proportion to population	-	56381(b)(1)(B), (2)
Napa	50%	50% Individual apportionments in proportion to population (60%) and general tax revenues (40%)	-	56381(b)(1)(B), (2)
San Joaquin	50%	50% Individual apportionments in proportion to population	-	56381(b)(1)(B), (2)

	<b>County</b>	<b>Cities<sup>2</sup></b>	<b>Districts<sup>3</sup></b>	<b>Govt. Code §</b>
Solano	50%	50% Individual apportionments in proportion to general revenues	-	56381(b)(1)(B), (2)
Tulare	Based on % population of the cities and unincorporated area		-	56381(b)(4)
Tuolumne	Apportionments for the County and the (one) city based on the Local Transportation Fund per capita percentage. The City of Sonora currently pays 8.1% and the County pays the balance.		-	56381(b)(4)
Yolo	50%	50% Individual apportionments in proportion to general revenues	-	56381(b)(1)(B), (2)
<b>County &amp; Special District Representation (No Cities)</b> [Trinity]	50%	-	50% Individual apportionments in proportion to total revenues	56381(b)(3)
<b>County Representation Only (No Special Districts or Cities)</b> [Alpine]	100%	-	-	56381(b)(3)
<b>San Francisco</b>	100% County/City		-	56381(b)(4)

- <sup>1</sup> Table does not include information for the following counties: Fresno, Imperial, Inyo, Marin, Mariposa, San Benito, Siskiyou and Tehama.
- <sup>2</sup> Except for the alternative methods (exceptions) noted in the table, the cities' share is apportioned in proportion to each city's total revenues, as reported in the most recent edition of the Cities Annual Report published by the Controller, as a percentage of the combined city revenues within a county pursuant to Section 56381(b)(1)(B) of the Govt. Code.
- <sup>3</sup> Except for the alternative methods (exceptions) noted in the table, the independent special districts' share is apportioned in proportion to each district's total revenues, as reported in the most recent edition of the Special Districts Annual Report published by the Controller, as a percentage of the combined total district revenues within a county pursuant to Section 56381(b)(1)(C) and (E) of the Govt. Code.
- <sup>4</sup> San Bernardino County special districts alternative funding formula (Adopted by Special District Vote July 2002; Amended by Special District Vote March 2, 2010):
  1. Healthcare (Hospital) Districts shall be limited to payment of \$1,500 regardless of Total Revenue.
  2. Those districts with Total Revenue of more than \$50,000,000 shall pay \$30,000.
  3. Those districts with Total Revenue between \$20,000,000 and \$50,000,000 shall pay \$20,000.
  4. Those districts with Total Revenue between \$5,000,000 and \$20,000,000 shall pay \$10,000.
  5. Those districts with Total Revenue between \$2,000,000 and \$5,000,000 shall contribute an amount not to exceed \$5,000.
  6. Those districts with Total Revenue of less than \$2,000,000 shall be apportioned an amount to be determined by the ratio of each district's Total Revenue as compared to the Total Revenues whose share does not exceed \$5,000

**GOVERNMENT CODE – (GOV)**

**CHAPTER 2. Formation of Commission and Selection of Commissioners [56325 - 56337]**

*(Chapter 2 added by Stats. 1985, Ch. 541, Sec. 3.)*

**56325.**

There is hereby continued in existence in each county a local agency formation commission. Except as otherwise provided in this chapter, the commission shall consist of members appointed as follows:

(a) Two appointed by the board of supervisors from their own membership. The board of supervisors shall appoint a third supervisor who shall be an alternate member of the commission. The alternate member may serve and vote in place of any supervisor on the commission who is absent or who disqualifies himself or herself from participating in a meeting of the commission.

If the office of a regular county member becomes vacant, the alternate member may serve and vote in place of the former regular county member until the appointment and qualification of a regular county member to fill the vacancy.

(b) Two appointed by the cities in the county, each of whom shall be a mayor or council member, appointed by the city selection committee. The city selection committee shall also appoint one alternate member who shall also be a mayor or council member and shall be appointed and serve pursuant to Section 56335. The city selection committee is encouraged to appoint members to fairly represent the diversity of the cities in the county, with respect to population and geography.

(c) Two presiding officers or members of legislative bodies of independent special districts appointed by the independent special district selection committee pursuant to Section 56332. The independent special district selection committee shall also appoint a presiding officer or member of the legislative body of an independent special district as an alternate member who shall be appointed and serve pursuant to Section 56332. The independent special district selection committee is encouraged to make appointments that fairly represent the diversity of the independent special districts in the county, with respect to population and geography.

(d) One representing the general public appointed by the other members of the commission. The other members of the commission may also appoint one alternate member who shall serve pursuant to Section 56331. Appointment of the public member and alternate public member shall be subject to the affirmative vote of at least one of the members appointed by each of the other appointing authorities. Whenever a vacancy occurs in the public member or alternate public member position, the commission shall cause a notice of vacancy to be posted as provided in Section 56158. A copy of this notice shall be sent to the clerk or secretary of the legislative body of each local agency within the county. Final appointment to fill the vacancy may not be made for at least 21 days after the posting of the notice.

*(Amended by Stats. 2015, Ch. 114, Sec. 2. Effective January 1, 2016.)*

**56325.1.**

While serving on the commission, all commission members shall exercise their independent judgment on behalf of the interests of residents, property owners, and the public as a whole in furthering the purposes of this division. Any member appointed on behalf of local governments shall represent the interests of the public as a whole and not solely the interests of the appointing authority. This section does not require the abstention of any member on any matter, nor does it create a right of action in any person.

*(Added by Stats. 2000, Ch. 761, Sec. 57. Effective January 1, 2001.)*

**56326.**

In Los Angeles County, the commission shall consist of nine members, appointed as follows:

(a) Two appointed by the board of supervisors from its own membership. The board of supervisors shall also appoint a third supervisor who shall be an alternate member of the commission. The alternate member may serve and vote in place of any supervisor on the commission who is absent or who disqualifies himself or herself from participating in a meeting of the commission.

If the office of the regular county member becomes vacant, the alternate member may serve and vote in place of the former regular county member until the appointment and qualification of a regular county member to fill the vacancy.

(b) One appointed by the board of supervisors, who shall not be a member of the board of supervisors but who shall be a resident of the San Fernando Valley Statistical Area, as defined in subdivision (c) of Section 11093. The board of supervisors shall also appoint an alternate member who shall not be a

member of the board of supervisors but who is a resident of the San Fernando Valley Statistical Area. The alternate member may serve and vote in place of the member appointed pursuant to this subdivision if that member is absent or disqualifies himself or herself from participating in a meeting of the commission.

If the office of the regular member becomes vacant, the alternate member may serve and vote in place of the former regular member until the appointment and qualification of a regular member to fill the vacancy.

(c) Two appointed by the cities in the county, each of whom shall be a mayor or council member, appointed by the city selection committee. The city selection committee shall also appoint one alternate member who shall also be a mayor or council member and shall be appointed and serve pursuant to Section 56335. The city selection committee is encouraged to appoint members to fairly represent the diversity of the cities in the county, with respect to population and geography.

(d) One appointed by the presiding officer of the legislative body of a city in the county having a population in excess of 30 percent of the total population of the county who is a member of the legislative body of the city. The presiding officer of the legislative body shall also appoint an alternate member who is a member of the legislative body. The alternate member may serve and vote in place of the member appointed pursuant to this subdivision if the member is absent or disqualifies himself or herself from participating in a meeting of the commission.

If the office of the regular member becomes vacant, the alternate member may serve and vote in place of the former regular member until the appointment and qualification of a regular member to fill the vacancy.

(e) Two presiding officers or members of legislative bodies of independent special districts appointed by the independent special district selection committee pursuant to Section 56332. The independent special district selection committee shall also appoint one alternate member who shall be a presiding officer or member of the legislative body of an independent special district and shall be appointed and serve pursuant to Section 56332. The independent special district selection committee is encouraged to appoint members to fairly represent the diversity of the independent special districts in the county, with respect to population and geography.

(f) One representing the general public appointed by the other members of the commission. The other members of the commission may also appoint one alternate member who shall serve pursuant to Section 56331.

*(Amended by Stats. 2015, Ch. 114, Sec. 3. Effective January 1, 2016.)*

#### **56326.5.**

In Sacramento County, the commission shall consist of seven members, appointed as follows:

(a) Two appointed by the board of supervisors from their own membership. The board of supervisors shall appoint a third supervisor who shall serve as an alternate member of the commission. The alternate member may serve and vote in place of any supervisor on the commission who is absent or who disqualifies himself or herself from participating in a meeting of the commission. If the office of the regular county member becomes vacant, the alternate member may serve and vote in place of the former regular county member until the appointment and qualification of a regular county member to fill the vacancy.

(b) One appointed by the City of Sacramento who is a member of the city council, appointed by the mayor and confirmed by the city council. The mayor shall also appoint, subject to confirmation by the council, an alternate member who is a member of the city council. The alternate member may serve and vote in place of the regular city member if the city member is absent or disqualifies himself or herself from participating in a meeting of the commission. If the office of the regular city member becomes vacant, the alternate member may serve and vote in place of the former regular city member until the appointment and qualification of a regular city member to fill the vacancy.

(c) One appointed by the cities in the county, who is a mayor or council member appointed by the city selection committee. The city selection committee shall also appoint one alternate member who shall also be a mayor or council member and shall be appointed and serve pursuant to Section 56335. The city selection committee is encouraged to appoint members to fairly represent the diversity of the cities in the county, with respect to population and geography.

(d) Two presiding officers or members of legislative bodies of independent special districts appointed by the independent special district selection committee pursuant to Section 56332. The independent special district selection committee shall also appoint one alternate member who shall be a presiding officer or member of the legislative body of an independent special district and shall be appointed and serve pursuant to Section 56332. The independent special district selection committee is encouraged to appoint

members to fairly represent the diversity of the independent special districts in the county, with respect to population and geography.

(e) One representing the general public, appointed by the other six members of the commission. The commission may also appoint an alternate public member who may serve and vote in the place of the regular public member if the regular public member is absent or disqualifies himself or herself from participating in a meeting of the commission. If the office of the regular public member becomes vacant, the alternate member may serve and vote in place of the former regular public member until the appointment and qualification of a regular public member to fill the vacancy.

*(Amended by Stats. 2015, Ch. 114, Sec. 4. Effective January 1, 2016.)*

#### **56327.**

In Santa Clara County, the commission shall consist of five members, appointed as follows:

(a) Two appointed by the board of supervisors from their own membership. The board of supervisors shall appoint a third supervisor who shall serve as an alternate member of the commission. The alternate member may serve and vote in place of any supervisor on the commission who is absent or who disqualifies himself or herself from participating in a meeting of the commission. If the office of the regular county member becomes vacant, the alternate member may serve and vote in place of the former regular county member until the appointment and qualification of a regular county member to fill the vacancy.

(b) One appointed by the city in the county having the largest population, who is a member of the legislative body of the city, appointed by the city council. The city council shall also appoint an alternate member who is a member of the legislative body of the city. The alternate member may serve and vote in place of the regular city member if the city member is absent or disqualifies himself or herself from participating in a meeting of the commission. If the office of the regular city member becomes vacant, the alternate member may serve and vote in place of the former regular city member until the appointment and qualification of a regular city member to fill the vacancy.

(c) One appointed by the cities in the county, who is a mayor or council member appointed by the city selection committee. The city selection committee shall also appoint one alternate member who shall also be a mayor or council member and shall be appointed and serve pursuant to Section 56335. The city selection committee is encouraged to appoint members to fairly represent the diversity of the cities in the county, with respect to population and geography.

(d) One representing the general public, appointed by the other four, or, if the commission is enlarged pursuant to Section 56327.3, the other six, members of the commission. This member shall not be a resident of a city which is already represented on the commission. The commission may also appoint an alternate public member, who shall not be a resident of a city represented on the commission, and who may serve and vote in the place of the regular public member if the regular public member is absent or disqualifies himself or herself from participating in a meeting of the commission. If the office of the regular public member becomes vacant, the alternate member may serve and vote in place of the former regular public member until the appointment and qualification of a regular public member to fill the vacancy.

*(Amended by Stats. 2015, Ch. 114, Sec. 5. Effective January 1, 2016.)*

#### **56327.3.**

In Santa Clara County, the commission shall be enlarged by two members if, pursuant to the provisions of Chapter 5 (commencing with Section 56821), the commission orders representation of special districts upon the commission.

*(Amended by Stats. 2015, Ch. 114, Sec. 6. Effective January 1, 2016.)*

#### **56328.**

(a) In San Diego County, the commission, which consists of seven members, augmented pursuant to Section 56332, shall be additionally augmented by the appointment of an eighth member and that member shall, notwithstanding subdivision (b) of Section 56325, be a member of the legislative body of the city in the county having the largest population, appointed by the legislative body of that city.

(b) The legislative body of the city shall appoint an alternate member at the same time and in the same manner as it appoints the regular member appointed pursuant to subdivision (a). If the regular city member is absent from a commission meeting, or disqualifies himself or herself from participating in a meeting, the alternate member may serve and vote in place of the regular city member for that meeting. If the office of the regular city member becomes vacant, the alternate member may serve and vote in place

of the former regular city member until the appointment and qualification of a regular city member to fill the vacancy.

*(Amended by Stats. 2000, Ch. 761, Sec. 61. Effective January 1, 2001.)*

**56328.5.**

(a) In Kern County, the commission, which consists of seven members, augmented pursuant to Section 56332, shall be additionally augmented by the appointment of an eighth member and a ninth member.

(b) The eighth member shall, notwithstanding subdivision (b) of Section 56325, be a member of the legislative body of the city in the county having the largest population, appointed by the legislative body of that city.

The legislative body of the city shall appoint an alternate member at the same time and in the same manner as it appoints the eighth regular member. If the regular city member is absent from a commission meeting, or disqualifies himself or herself from participating in a meeting, the alternate member may serve and vote in place of the regular city member for that meeting. If the office of the regular city member becomes vacant, the alternate member may serve and vote in place of the former regular city member until the appointment and qualification of a regular city member to fill the vacancy.

(c) The ninth member shall represent the general public, but shall not be a member of the governing body of any local agency. The ninth member shall be appointed by the four members of the commission appointed by the county supervisors and the independent special district selection committee. Those commission members may also appoint an alternate public member, who is not a member of the governing body of any local agency, who may serve and vote in the place of the regular public member appointed pursuant to this subdivision if that regular public member is absent or disqualifies himself or herself from participating in a meeting of the commission. If the office of the regular public member appointed pursuant to this subdivision becomes vacant, the alternate member may serve and vote in place of that former regular public member until the appointment and qualification of a regular public member pursuant to this subdivision to fill the vacancy.

*(Added by Stats. 2005, Ch. 559, Sec. 1. Effective January 1, 2006.)*

**56329.**

If there is no city in the county, the commission shall consist of five members, appointed as follows which may be further augmented pursuant to Sections 56332 and 56332.5:

(a) Three appointed by the board of supervisors from their own membership. The board of supervisors shall appoint a fourth supervisor who is an alternate member of the commission. The alternate member may serve and vote in place of any supervisor on the commission who is absent or who disqualifies himself or herself from participating in a meeting of the commission.

If the office of a regular county member becomes vacant, the alternate member may serve and vote in place of the former regular county member until the appointment and qualification of a regular county member to fill the vacancy.

(b) Two representing the general public appointed by the other three members of the commission.

Appointment of the public member and alternate public member shall be subject to the affirmative vote of at least one of the members selected by each of the other appointing authorities.

*(Amended by Stats. 2015, Ch. 114, Sec. 7. Effective January 1, 2016.)*

**56331.**

When appointing a public member pursuant to Sections 56325, 56326, 56326.5, 56327, 56328, 56328.5, and 56329, the commission may also appoint one alternate public member who may serve and vote in place of a regular public member who is absent or who disqualifies himself or herself from participating in a meeting of the commission. The public member and the alternate public member shall be residents of the county of the appointing commission.

If the office of a regular public member becomes vacant, the alternate member may serve and vote in place of the former regular public member until the appointment and qualification of a regular public member to fill the vacancy.

No person appointed as a public member or alternate public member pursuant to this chapter shall be an officer or employee of the county or any city or district with territory in the county, provided, however, that any officer or employee serving on January 1, 1994, may complete the term for which he or she was appointed.

*(Amended by Stats. 2016, Ch. 165, Sec. 3. (AB 2910) Effective January 1, 2017.)*

**56331.3.**

If two or more members are absent or disqualify themselves from participating in a meeting of the commission, any alternate member who is authorized to serve and vote in the place of a member shall only have one vote.

*(Added by Stats. 1987, Ch. 1327, Sec. 4.)*

**56332.**

(a) The independent special district selection committee shall consist of the presiding officer of the legislative body of each independent special district. However, if the presiding officer of an independent special district is unable to participate in a meeting or election of the independent special district selection committee, the legislative body of the district may appoint one of its members as an alternate to participate in the selection committee in the presiding officer's place. Those districts shall include districts located wholly within the county and those containing territory within the county representing 50 percent or more of the assessed value of taxable property of the district, as shown on the last equalized county assessment roll. Each member of the committee shall be entitled to one vote for each independent special district of which he or she is the presiding officer or his or her alternate as designated by the governing body. Members representing a majority of the eligible districts shall constitute a quorum.

(b) The executive officer shall call and give written notice of all meetings of the members of the selection committee. A meeting shall be called and held under one of the following circumstances:

(1) Whenever the executive officer anticipates that a vacancy will occur within the next 90 days among the members or alternate member representing independent special districts on the commission.

(2) Whenever a vacancy exists among the members or alternate member representing independent special districts upon the commission.

(3) Upon receipt of a written request by one or more members of the selection committee representing districts having 10 percent or more of the assessed value of taxable property within the county, as shown on the last equalized county assessment roll.

(4) Upon the adoption of a resolution of intention pursuant to Section 56332.5.

(5) Upon receipt of a written request by one or more members of the selection committee notifying the executive officer of the need to appoint a member representing independent special districts on an oversight board pursuant to paragraph (3) of subdivision (j) of Section 34179 of the Health and Safety Code.

(c) The selection committee shall appoint two regular members and one alternate member to the commission. The members so appointed shall be elected or appointed members of the legislative body of an independent special district residing within the county but shall not be members of the legislative body of a city or county. If one of the regular district members is absent from a commission meeting or disqualifies himself or herself from participating in a meeting, the alternate district member may serve and vote in place of the regular district member for that meeting. Service on the commission by a regular district member shall not disqualify, or be cause for disqualification of, the member from acting on proposals affecting the special district on whose legislative body the member serves. The special district selection committee may, at the time it appoints a member or alternate, provide that the member or alternate is disqualified from voting on proposals affecting the district on whose legislative body the member serves.

(d) If the office of a regular district member becomes vacant, the alternate member may serve and vote in place of the former regular district member until the appointment and qualification of a regular district member to fill the vacancy.

(e) A majority of the independent special district selection committee may determine to conduct the committee's business by mail, including holding all elections by mailed ballot, pursuant to subdivision (f).

(f) If the independent special district selection committee has determined to conduct the committee's business by mail or if the executive officer determines that a meeting of the special district selection committee is not feasible, the executive officer shall conduct the business of the committee by mail. Elections by mail shall be conducted as provided in this subdivision.

(1) The executive officer shall prepare and deliver a call for nominations to each eligible district. The presiding officer, or his or her alternate as designated by the governing body, may respond in writing by the date specified in the call for nominations, which date shall be at least 30 days from the date on which the executive officer mailed the call for nominations to the eligible district.

(2) At the end of the nominating period, if only one candidate is nominated for a vacant seat, that candidate shall be deemed appointed. If two or more candidates are nominated, the executive officer shall prepare and deliver one ballot and voting instructions to each eligible district. The ballot shall include the names of all nominees and the office for which each was nominated. Each presiding officer, or his or her alternate as designated by the governing body, shall return the ballot to the executive officer by the date specified in



the voting instructions, which date shall be at least 30 days from the date on which the executive officer mailed the ballot to the eligible district.

(3) The call for nominations, ballots, and voting instructions shall be delivered by certified mail to each eligible district. As an alternative to the delivery by certified mail, the executive officer, with prior concurrence of the presiding officer or his or her alternate as designated by the governing body, may transmit materials by electronic mail.

(4) If the executive officer has transmitted the call for nominations or ballots by electronic mail, the presiding officer, or his or her alternate as designated by the governing body, may respond to the executive officer by electronic mail.

(5) Each returned nomination and ballot shall be signed by the presiding officer or his or her alternate as designated by the governing body of the eligible district.

(6) For an election to be valid, at least a quorum of the special districts must submit valid ballots. The candidate receiving the most votes shall be elected, unless another procedure has been adopted by the selection committee. Any nomination and ballot received by the executive officer after the date specified is invalid, provided, however, that if a quorum of ballots is not received by that date, the executive officer shall extend the date to submit ballots by 60 days and notify all districts of the extension. The executive officer shall announce the results of the election within seven days of the date specified.

(7) For a vote on special district representation to be valid, at least a quorum of the special districts must submit valid ballots. By majority vote of those district representatives voting on the issue, the selection committee shall either accept or deny representation.

(8) All election materials shall be retained by the executive officer for a period of at least six months after the announcement of the election results.

(g) For purposes of this section, "executive officer" means the executive officer or designee as authorized by the commission.

*(Amended by Stats. 2017, Ch. 203, Sec. 1. (AB 979) Effective January 1, 2018.)*

#### **56332.5.**

(a) If the commission does not have representation from independent special districts on or before January 1, 2001, the commission shall initiate proceedings for representation of independent special districts upon the commission if either of the following occur:

(1) Upon receipt of a written request by one or more members of the selection committee representing districts having 10 percent or more of the assessed value of taxable property within the county, as shown on the last equalized county assessment roll.

(2) Upon adoption of a resolution by the commission proposing representation of special districts upon the commission.

(b) The commission, at its next regular meeting, shall adopt a resolution of intention. The resolution of intention shall state whether the proceedings are initiated by the commission or by an independent special district or districts, in which case, the names of those districts shall be set forth. The commission shall order the executive officer to call and give notice of a meeting of the independent special district selection committee to be held within 15 days after the adoption of the resolution in order to determine whether independent special districts shall accept representation on the commission and appoint independent special district representation pursuant to Section 56332.

*(Amended by Stats. 2017, Ch. 203, Sec. 2. (AB 979) Effective January 1, 2018.)*

#### **56333.**

When a commission is enlarged to seven members as provided in Section 56332, the public members appointed pursuant to Sections 56325 and 56329 shall thereafter be appointed by members of the commission representing cities, counties, and special districts. Those appointments shall be made at the times and in the manner provided in Section 56334.

*(Amended by Stats. 2001, Ch. 388, Sec. 6. Effective January 1, 2002.)*

#### **56334.**

The term of office of each member shall be four years and until the appointment and qualification of his or her successor. Upon enlargement of the commission by two members, as provided in Section 56332, the new members first appointed to represent independent special districts shall classify themselves by lot so that the expiration date of the term of office of one new member coincides with the existing member who holds the office represented by the original two-year term on the commission and the term of office of the other new member coincides with the existing member who holds the office represented by the original

four-year term on the commission. The body which originally appointed a member whose term has expired shall appoint his or her successor for a full term of four years. Any member may be removed at any time and without cause by the body appointing that member. The expiration date of the term of office of each member shall be the first Monday in May in the year in which the term of the member expires, unless procedures adopted by the commission specify an alternate date to apply uniformly to all members. However, the length of a term of office shall not be extended more than once. Any vacancy in the membership of the commission shall be filled for the unexpired term by appointment by the body which originally appointed the member whose office has become vacant.

The chairperson of the commission shall be selected by the members of the commission.

Commission members and alternates shall be reimbursed for the actual amount of their reasonable and necessary expenses incurred in attending meetings and in performing the duties of their office. The commission may authorize payment of a per diem to commission members and alternates for each day while they are in attendance at meetings of the commission.

*(Amended by Stats. 2002, Ch. 664, Sec. 121. Effective January 1, 2003.)*

#### **56335.**

In each county containing two or more cities, regular and alternate city members to the commission shall be appointed by the city selection committee organized in the county pursuant to and in the manner provided in Article 11 (commencing with Section 50270) of Chapter 1 of Part 1 of Division 1. Regular members of the commission shall be appointed by the city selection committee pursuant to Sections 56325, 56326, and 56327.

The city selection committee shall appoint one alternate member to the commission in the same manner as it appoints a regular member. If one of the regular city members is absent from a commission meeting, or disqualifies himself or herself from participating in a meeting, the alternate member may serve and vote in place of that regular city member for that meeting.

Except in the case of a member appointed pursuant to subdivision (d) of Section 56326 or subdivision (b) of Section 56327, a city selection committee, may, at the time it appoints a member or alternate, provide that the member or alternate is disqualified from voting on proposals affecting the city which the member or alternate represents.

If the office of a regular city member becomes vacant, the alternate member may serve and vote in place of the former regular city member until the appointment and qualification of a regular city member to fill the vacancy.

*(Amended by Stats. 1986, Ch. 86, Sec. 2.)*

#### **56336.**

Each commission may adopt regulations with respect to disqualification of members or alternates from participating in the review of a proposal. In the absence, however, of those regulations, Section 56332 or 56335 shall apply. The representation by a member or alternate of a city or district shall not disqualify, or be cause for disqualification of, the member or alternate from acting on a proposal affecting the city or the district, and any regulation providing for the disqualification of a city or district representative for that reason is null and void.

*(Amended by Stats. 1986, Ch. 86, Sec. 3.)*

#### **56337.**

A city, county, or district officer may serve as a member of the commission while holding office as a city, county, or district officer. If a member who is a city, county, or district officer ceases to be an officer of a city, county, or district during his or her term, his or her membership on the commission shall be considered vacant.

*(Amended by Stats. 2004, Ch. 355, Sec. 4.5. Effective January 1, 2005.)*

### **Health and Safety Code (HSC)**

#### **CHAPTER 4. Oversight Boards [34179 - 34181]**

*(Chapter 4 added by Stats. 2011, 1st Ex. Sess., Ch. 5, Sec. 7.)*

#### **34179.**

(a) Each successor agency shall have an oversight board composed of seven members. The members shall elect one of their members as the chairperson and shall report the name of the chairperson and other members to the Department of Finance on or before May 1, 2012. Members shall be selected as follows:

- (1) One member appointed by the county board of supervisors.
- (2) One member appointed by the mayor for the city that formed the redevelopment agency.
- (3) (A) One member appointed by the largest special district, by property tax share, with territory in the territorial jurisdiction of the former redevelopment agency, which is of the type of special district that is eligible to receive property tax revenues pursuant to Section 34188.
- (B) On or after the effective date of this subparagraph, the county auditor-controller may determine which is the largest special district for purposes of this section.
- (4) One member appointed by the county superintendent of education to represent schools if the superintendent is elected. If the county superintendent of education is appointed, then the appointment made pursuant to this paragraph shall be made by the county board of education.
- (5) One member appointed by the Chancellor of the California Community Colleges to represent community college districts in the county.
- (6) One member of the public appointed by the county board of supervisors.
- (7) One member representing the employees of the former redevelopment agency appointed by the mayor or chair of the board of supervisors, as the case may be, from the recognized employee organization representing the largest number of former redevelopment agency employees employed by the successor agency at that time. In the case where city or county employees performed administrative duties of the former redevelopment agency, the appointment shall be made from the recognized employee organization representing those employees. If a recognized employee organization does not exist for either the employees of the former redevelopment agency or the city or county employees performing administrative duties of the former redevelopment agency, the appointment shall be made from among the employees of the successor agency. In voting to approve a contract as an enforceable obligation, a member appointed pursuant to this paragraph shall not be deemed to be interested in the contract by virtue of being an employee of the successor agency or community for purposes of Section 1090 of the Government Code.
- (8) If the county or a joint powers agency formed the redevelopment agency, then the largest city by acreage in the territorial jurisdiction of the former redevelopment agency may select one member. If there are no cities with territory in a project area of the redevelopment agency, the county superintendent of education may appoint an additional member to represent the public.
- (9) If there are no special districts of the type that are eligible to receive property tax pursuant to Section 34188, within the territorial jurisdiction of the former redevelopment agency, then the county may appoint one member to represent the public.
- (10) If a redevelopment agency was formed by an entity that is both a charter city and a county, the oversight board shall be composed of seven members selected as follows: three members appointed by the mayor of the city, if that appointment is subject to confirmation by the county board of supervisors, one member appointed by the largest special district, by property tax share, with territory in the territorial jurisdiction of the former redevelopment agency, which is the type of special district that is eligible to receive property tax revenues pursuant to Section 34188, one member appointed by the county superintendent of education to represent schools, one member appointed by the Chancellor of the California Community Colleges to represent community college districts, and one member representing employees of the former redevelopment agency appointed by the mayor of the city if that appointment is subject to confirmation by the county board of supervisors, to represent the largest number of former redevelopment agency employees employed by the successor agency at that time.
- (11) Each appointing authority identified in this subdivision may, but is not required to, appoint alternate representatives to serve on the oversight board as may be necessary to attend any meeting of the oversight board in the event that the appointing authority's primary representative is unable to attend any meeting for any reason. If an alternate representative attends any meeting in place of the primary representative, the alternate representative shall have the same participatory and voting rights as all other attending members of the oversight board.
- (b) The Governor may appoint individuals to fill any oversight board member position described in subdivision (a) that has not been filled by May 15, 2012, or any member position that remains vacant for more than 60 days.
- (c) The oversight board may direct the staff of the successor agency to perform work in furtherance of the oversight board's and the successor agency's duties and responsibilities under this part. The successor agency shall pay for all of the costs of meetings of the oversight board and may include such costs in its administrative budget. Oversight board members shall serve without compensation or reimbursement for expenses.
- (d) Oversight board members are protected by the immunities applicable to public entities and public employees governed by Part 1 (commencing with Section 810) and Part 2 (commencing with Section 814) of Division 3.6 of Title 1 of the Government Code.

(e) A majority of the total membership of the oversight board shall constitute a quorum for the transaction of business. A majority vote of the total membership of the oversight board is required for the oversight board to take action. The oversight board shall be deemed to be a local entity for purposes of the Ralph M. Brown Act, the California Public Records Act, and the Political Reform Act of 1974. All actions taken by the oversight board shall be adopted by resolution.

(f) All notices required by law for proposed oversight board actions shall also be posted on the successor agency's Internet Web site or the oversight board's Internet Web site.

(g) Each member of an oversight board shall serve at the pleasure of the entity that appointed such member.

(h) (1) The department may review an oversight board action taken pursuant to this part. Written notice and information about all actions taken by an oversight board shall be provided to the department as an approved resolution by electronic means and in a manner of the department's choosing. Without abrogating the department's authority to review all matters related to the Recognized Obligation Payment Schedule pursuant to Section 34177, oversight boards are not required to submit the following oversight board actions for department approval:

(A) Meeting minutes and agendas.

(B) Administrative budgets.

(C) Changes in oversight board members, or the selection of an oversight board chair or vice chair.

(D) Transfers of governmental property pursuant to an approved long-range property management plan.

(E) Transfers of property to be retained by the sponsoring entity for future development pursuant to an approved long-range property management plan.

(2) An oversight board action submitted in a manner specified by the department shall become effective five business days after submission, unless the department requests a review of the action. Each oversight board shall designate an official to whom the department may make those requests and who shall provide the department with the telephone number and e-mail contact information for the purpose of communicating with the department pursuant to this subdivision. Except as otherwise provided in this part, in the event that the department requests a review of a given oversight board action, it shall have 40 days from the date of its request to approve the oversight board action or return it to the oversight board for reconsideration and the oversight board action shall not be effective until approved by the department. In the event that the department returns the oversight board action to the oversight board for reconsideration, the oversight board shall resubmit the modified action for department approval and the modified oversight board action shall not become effective until approved by the department. If the department reviews a Recognized Obligation Payment Schedule, the department may eliminate or modify any item on that schedule prior to its approval. The county auditor-controller shall reflect the actions of the department in determining the amount of property tax revenues to allocate to the successor agency. The department shall provide notice to the successor agency and the county auditor-controller as to the reasons for its actions. To the extent that an oversight board continues to dispute a determination with the department, one or more future Recognized Obligation Payment Schedules may reflect any resolution of that dispute. The department may also agree to an amendment to a Recognized Obligation Payment Schedule to reflect a resolution of a disputed item; however, this shall not affect a past allocation of property tax or create a liability for any affected taxing entity.

(i) Oversight boards shall have fiduciary responsibilities to holders of enforceable obligations and the taxing entities that benefit from distributions of property tax and other revenues pursuant to Section 34188. Further, the provisions of Division 4 (commencing with Section 1000) of the Government Code shall apply to oversight boards. Notwithstanding Section 1099 of the Government Code, or any other law, any individual may simultaneously be appointed to up to five oversight boards and may hold an office in a city, county, city and county, special district, school district, or community college district.

(j) Except as specified in subdivision (q), commencing on and after July 1, 2018, in each county where more than one oversight board was created by operation of the act adding this part, there shall be only one oversight board, which shall be staffed by the county auditor-controller, by another county entity selected by the county auditor-controller, or by a city within the county that the county auditor-controller may select after consulting with the department. Pursuant to Section 34183, the county auditor-controller may recover directly from the Redevelopment Property Tax Trust Fund, and distribute to the appropriate city or county entity, reimbursement for all costs incurred by it or by the city or county pursuant to this subdivision, which shall include any associated startup costs. However, if only one successor agency exists within the county, the county auditor-controller may designate the successor agency to staff the oversight board. The oversight board is appointed as follows:

(1) One member may be appointed by the county board of supervisors.

(2) One member may be appointed by the city selection committee established pursuant to Section 50270 of the Government Code. In a city and county, the mayor may appoint one member.

(3) One member may be appointed by the independent special district selection committee established pursuant to Section 56332 of the Government Code, for the types of special districts that are eligible to receive property tax revenues pursuant to Section 34188.

(4) One member may be appointed by the county superintendent of education to represent schools if the superintendent is elected. If the county superintendent of education is appointed, then the appointment made pursuant to this paragraph shall be made by the county board of education.

(5) One member may be appointed by the Chancellor of the California Community Colleges to represent community college districts in the county.

(6) One member of the public may be appointed by the county board of supervisors.

(7) One member may be appointed by the recognized employee organization representing the largest number of successor agency employees in the county.

(k) The Governor may appoint individuals to fill any oversight board member position described in subdivision (j) that has not been filled by July 15, 2018, or any member position that remains vacant for more than 60 days.

(l) Commencing on and after July 1, 2018, in each county where only one oversight board was created by operation of the act adding this part, then there will be no change to the composition of that oversight board as a result of the operation of subdivision (j).

(m) Any oversight board for a given successor agency, with the exception of countywide oversight boards, shall cease to exist when the successor agency has been formally dissolved pursuant to Section 34187. A county oversight board shall cease to exist when all successor agencies subject to its oversight have been formally dissolved pursuant to Section 34187.

(n) An oversight board may direct a successor agency to provide additional legal or financial advice than what was given by agency staff.

(o) An oversight board is authorized to contract with the county or other public or private agencies for administrative support.

(p) On matters within the purview of the oversight board, decisions made by the oversight board supersede those made by the successor agency or the staff of the successor agency.

(q) (1) Commencing on and after July 1, 2018, in each county where more than 40 oversight boards were created by operation of the act adding this part, there shall be five oversight boards, which shall each be staffed in the same manner as specified in subdivision (j). The membership of each oversight board shall be as specified in paragraphs (1) through (7), inclusive, of subdivision (j).

(2) The oversight boards shall be numbered one through five, and their respective jurisdictions shall encompass the territory located within the respective borders of the first through fifth county board of supervisors districts, as those borders existed on July 1, 2018. Except as specified in paragraph (3), each oversight board shall have jurisdiction over each successor agency located within its borders.

(3) If a successor agency has territory located within more than one county board of supervisors' district, the county board of supervisors shall, no later than July 15, 2018, determine which oversight board shall have jurisdiction over that successor agency. The county board of supervisors or their designee shall report this information to the successor agency and the department by the aforementioned date.

(4) The successor agency to the former redevelopment agency created by a county where more than 40 oversight boards were created by operation of the act adding this part, shall be under the jurisdiction of the oversight board with the fewest successor agencies under its jurisdiction.

*(Amended by Stats. 2015, Ch. 325, Sec. 11. (SB 107) Effective September 22, 2015.)*

# AGENDA ITEM

DATE: JUNE 23, 2020

TO: BVWD BOARD OF DIRECTORS

FROM: JEFF GOUVEIA, DISTRICT GENERAL MANAGER

RE: ELECTING & APPOINTING OFFICERS OF THE BOARD

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## BACKGROUND AND DISCUSSION:

District Legal Counsel advised the District's Board of Directors at its May 20, 2019 meeting that many sections of the former 2010 bylaws were unnecessarily detailed, overly complicated and potentially created exposure for its Staff as well as its Trustees based on a myriad of sections as they had been prepared in this document.

At its May 20, 2019 meeting, the Board of Directors acknowledged these deficiencies and directed Legal Counsel to prepare a draft revision of the bylaws for review by the Board.

At its July 22, 2019 meeting, the Board of Directors reviewed the amended bylaws as prepared by legal staff and ultimately approved the revised set of bylaws. Per Water Code section 35302, following the BVWD Board's approval, the revised bylaws were sent to the Alpine County Board of Director's who approved the revised bylaws by resolution at its August 6, 2019 meeting.

Pursuant to Article IV of the revised bylaws, elected officers shall be chosen by the Board from among the five (5) members of the Board and shall consist of a **President** and a **Vice-President**. Section 2 goes on to discuss the terms of elected officers adding:

- Officers shall be elected by the Board at its first meeting in a new calendar year
- Shall serve for one (1) year, said term to commence upon election
- All elected officers shall be eligible to serve successive terms.
- Officers shall continue to serve in their capacity as an officer until their successor is elected.

Article V of the by-laws further conveys that the Board may appoint such other officers as it deems necessary. Currently, in addition to the General Manager which serves as an appointed officer, Director Brown serves as the appointed Secretary and Director Boyle serves as the appointed Treasurer to the Board. However, the revised bylaws amended the previous section regarding appointments and now clearly states that neither the Secretary nor the General Manager may be a Director. The Treasurer meanwhile may be a Director of the Board and may hold this appointment until the Board either chooses a new Treasurer or chooses not to have an acting Treasurer.

## RECOMMENDATION:

### ACTION:

1. Board should hold a vote for President and Vice President for the term expiring at the "first meeting in a new calendar year."
2. Board should appoint the Office Manager as the Secretary to the Board.
3. Board should discuss and consider retaining Director Boyle as Treasurer to the Board.

Attachments:

- BVWD Revised By-Laws as Approved July 22, 2019

**BYLAWS**  
**OF THE**  
**BEAR VALLEY WATER DISTRICT**

**Adopted July \_\_, 2019**

## **ARTICLE I GENERAL**

### **Section 1. Name.**

This water sanitary district shall be known as the BEAR VALLEY WATER DISTRICT (BVWD or District).

### **Section 2. District Office.**

The District Office shall be established by Resolution and may be changed from time to time by Resolution.

## **ARTICLE II PURPOSE**

The purpose of the BVWD is to provide services to the residents of Bear Valley consistent with the Division 13 of the California Water Code.

## **ARTICLE III BOARD OF DIRECTORS**

### **Section 1. Number.**

The governing body of BVWD shall consist of five (5) elected Directors, each of whom shall serve a term of four (4) years. Such terms of office to be established on a staggered basis. During elections every two (2) years, either two (2) or three (3) Directors are elected for the next four (4) years.

### **Section 2. Qualifications.**

In accordance with Water Code section 34700, each Director shall be one of the following:

- (a) A holder of title to land within the BVWD.
- (b) The legal representative of a holder of title to land within BVWD in accordance with Water Code section 34030.
- (c) A representative designated by a holder of title to land within BVWD, if the holder has filed with BVWD written evidence of that designation.



**Section 3. Responsibility.**

The Board of Directors shall govern the BVWD and establish policies for the operation of the District. The Directors shall carry out their duties as set forth in law, these bylaws, and other policies of BVWD honestly and faithfully.

**Section 4. Compensation.**

Members of the Board of Directors shall receive compensation for each day's attendance at meeting of the Board or for each day's service rendered as a director by request of the Board in an amount established by resolution of the Board of Directors, but in no case may the amount exceed the amount set forth in Water Code section 34741. Nor shall the total compensation to any Director exceed the total of six days in any calendar month, together with any expenses authorized by the Board. Compensation for all other officers who are not members of the Board of Directors shall be established by the Board.

**Section 5. Vacancies.**

Vacancies on the Board shall be filled in accordance with Government Code Section 1780.

**Section 6. Resignation.**

A director may resign at any time by giving written notice to the Board, to the President, or to the Secretary of the Board. Any such resignation shall take effect at the date of the receipt of such notice or at any later time specified therein; and, unless otherwise specified therein, the acceptance of such resignation shall not be necessary to make it effective.

**ARTICLE IV  
OFFICERS**

**Section 1. Elected Officers.**

The elected officers shall be chosen by the Board from among the five (5) members of the Board and shall consist of a President and a Vice-President.

**Section 2. Terms of Elected Officer.**

Elected Officers of the Board shall be elected by the Board at its first meeting in a new calendar year and shall serve for one (1) year, said term to commence upon election. All elected officers shall be eligible to serve successive terms. Officers shall continue to serve in their capacity as an officer until their successor is elected.

### **Section 3. Duties of Elected Officers.**

#### **A. President.**

1. Shall preside at all meetings of the board and such other meetings approved by the Board, and have the authority to call for short recesses during meetings unless a majority of the Directors by vote oppose a recess.
2. Shall serve as official spokesperson for the Board.
3. Shall appoint such committees and other working groups as prescribed by the Board.
4. Shall designate Directors or others to represent the Board at various meetings, hearings, and conferences.
5. Shall perform such other duties as necessary to carry out the work of the Board.
6. Shall perform such duties as prescribed by law.

#### **B. Vice-President.**

1. Shall serve in the absence of the President.

## **ARTICLE V APPOINTED OFFICERS**

### **Section 1. Appointed Officers.**

- A. The appointed officers of the District shall be a General Manager and a Secretary who may be the same person, but none of whom shall be a Director. The duties of the appointed officers shall be as specified in law, and as directed by the Board. The Board may also appoint a Treasurer in accordance with.
- B. Pursuant to Water Code Section 34711, the District Board of Directors may appoint a District Treasurer, who shall be responsible for the deposit and withdrawal of funds of the District.
- C. The Board may appoint such other officers as it deems necessary.

### **Section 2. General Manager Duties.**

The General Manager is employed by the board to run the day-to-day business of the BVWD.

Duties of the General Manager (Manager) include, but are not limited to:

- A. Appraise and evaluate the effects of the Board policies and the manner of their execution, and the efficiency of BVWD personnel in terms of services rendered to the people of the District.
- B. Provide leadership to staff in identifying district needs, establishing priorities and determining the objectives, which will achieve the established goals of the District.
- C. Encourage and assist staff in the performance of their duties and encourage their professional growth.
- D. Ensure evaluation of personnel under his/her direction.
- E. Provide financial oversight of the District and Alpine County pursuant to funds on deposit at that agency.
- F. Lead the District management team in the preparation of an annual budget, control of expenditures, inventory control, program planning, changing priorities and public relations.
- G. Perform the function of the District's Public Information Officer.
- H. Dispatch the contractor hired for operations on all wastewater problems in BVWD that require fieldwork. The Manager will respond only if the situation is too complicated for the contractor hired for operations to handle.
- I. Keep the Board informed of all communications affecting the District.
- J. Establish regular office hours and ensure that there is at least one person in the office during those hours.
- K. Such other duties as may from time to time be assigned by the Board.

**Section 3. Secretary Duties.**

- A. The Secretary shall attend Board meetings and prepare the minutes of the Board meetings which shall record the aye and no votes taken by the members of the Board for the passage of all ordinances, resolutions, or motions.
- B. The Secretary shall prepare the agenda for the Board meetings, post agendas, public notices and proposed action documents as required by the Board and government regulations.
- C. The Secretary shall keep a record of all Board actions, including financial transactions.
- D. The Secretary is responsible for keeping the Ordinances and all changes.
- E. The Secretary shall maintain and file with the County Clerk and the Secretary of State the filings required under Government Code section 53050 for the Roster of

Public Agencies.

**Section 4. Treasurer Duties.**

- A. If a Treasurer is appointed by the Board of Directors, they shall serve at the pleasure of the Board and be responsible for those responsibilities set forth in Water Code section 34711 and any other as determined by the Board.

**ARTICLE VI  
MEETINGS**

**Section 1. Regular and Special Meetings.**

- A. The Board shall hold a regular meeting on dates and times as established by the Board from time to time by resolution. All regular meeting shall be held at the District Office. Such meetings may be altered as to date, time and place, as provided for in a Resolution adopted by the Board.
- B. Special meetings may be called by the President or by a majority of Directors.
- C. All meetings shall be conducted in accordance with the Ralph M. Brown Act.
- D. All motions made at Board meetings shall require a second to the motion prior to the Directors voting.
- E. Directors may attend any regular and special meeting telephonically as provided in the Ralph M. Brown Act.

**Section 2. Quorum.**

The Board shall be empowered to conduct the business of the District whenever there is a quorum of Directors at a properly noticed meeting. Three Directors shall constitute a Quorum.

**Section 3. Voting.**

- A. The vote of a majority of the Directors present at any meeting attended by a Quorum shall be necessary to pass any motion, adopt any resolution, or make any determination.
- B. Voting shall be by voice, show of hands, or roll call vote.
- C. Should a Director vote "Abstain" on a motion, the vote shall be considered a non-vote and not counted as an affirmative or negative vote.

**Section 4. Notice of Regular and Special Meetings.**

- A. Notices of all regular and special meetings shall be pursuant to the Ralph M. Brown Act.
- B. Notices of regular and special meetings. In the case of special meetings, the notice, written or by telephone, shall specify the specific nature of the business to be transacted.

**ARTICLE VII  
ELECTIONS**

**Section 1. Procedure of Voting.**

All District elections shall be conducted in accordance with the procedures set forth in Water Code Section 35100 et. seq.

**Section 2. Manner of Voting.**

The manner of voting in all District elections shall be as set forth in Water Code section 35003.

**Section 3. Voting in Person or by Proxy.**

Every eligible voter may vote either in person or proxy in accordance with Water Code sections 35004-35006.

**ARTICLE VIII  
PARLIAMENTARY AUTHORITY**

Rosenberg's Rules of Order, current edition and all future editions or such other authority as may be subsequently adopted by resolution of the Board is to apply to all questions of procedure and parliamentary law not specified in these Bylaws or otherwise by law.

**ARTICLE IX  
PENALTIES**

The penalty for any single violation of these bylaws shall not exceed two hundred dollars (\$200.00).

## **ARTICLE X AMENDMENTS**

The Bylaws may be repealed or amended, or new Bylaws by either of the following methods:

- (a) By four-fifths (4/5ths) vote of the total number of Directors as set forth in Article 3 Section 1 of these bylaws and approval of the Board of Supervisors of Alpine County, or
- (b) By two-thirds (2/3rds) vote of the total vote of the District in writing or cast by ballot at a District election.

# AGENDA ITEM

DATE: JUNE 23, 2020

TO: BVWD BOARD OF DIRECTORS

FROM: JEFF GOUVEIA, DISTRICT GENERAL MANAGER

RE: FY 2020 - 21 PRELIMINARY BUDGET

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## BACKGROUND & DISCUSSION:

Accompanying this memorandum is a preliminary budget proposal for FY 2020-21, reflecting a comparison to the estimated actual previous fiscal cycle (FY 19-20) as well as a projected budget forecasting out three (3) future fiscal cycles.

This preliminary budget proposal discusses Year 5 of the current 5-year NPDES cycle (Order R5-2016-0045-02) and related expenses which expires August 2021 as well as Years 1 – 3 and related expenses of the anticipated renewal of the District's NPDES permit for the term 2021 - 2026.

Below is a summary of highlights of the preliminary budget proposal:

### Revenue

#### Residential Revenue

Residential revenue is generally a fixed source of income due to the District's flat rate billing structure and the current rate of construction at approximately only (1) new home per year adding generally little to no increase in year-over-year residential revenue. As of this writing, the District has received no applications for new residential connections to the network nor is aware of any pending applications.

With the Board's adoption of the FY 19-20 mid-cycle 6.2 % inflation-based sewer service rate increase which became effective January 1, 2020 and increased the monthly flat rate residential bill from \$90.37 to \$96.35, the estimated FY 20 - 21 residential revenue realizes the full 12 months of the CPI index increase and is projected to be **\$625,000 for FY 20-21**.

#### Commercial Revenue

Commercial revenue is flow based. With the Board's adoption of the FY 19 – 20 mid-cycle 6.2 % sewer service rate increase which also became effective January 1, 2020, commercial customers are now charged \$0.068 per gallon of water (previously \$0.064) metered at the commercial location and sent to the District for treatment and disposal. As billable flow is tied to water use and water use can vary depending on the seasonal economy of many of the District's commercial customers, commercial revenue to the District tends to ebb and flow as the Bear Valley economy changes.

Since for the majority of the District's commercial customers invoicing for the current budget cycle is based on water use in the previous fiscal cycle, due to the statewide shelter in place (SIP) order which began in March 2020 and therefore directly impacts the billing cycle for FY 20-21, this preliminary budget contemplates a reduction of nearly **- 20 %** or **- 410,217** fewer gallons from commercial sources when compared to the previous fiscal cycle.

In fact, to illustrate the magnitude of the impact of the SIP order for the metered commercial customers specifically in the Bear Valley village, commercial flows fell **- 267 %** in March 2020 and **- 214 %** in April 2020. Consequently, commercial revenues are projected to fall nearly **-13 %** or **- \$19,206** from the estimated previous fiscal year bolstered only by the District's minimum monthly billing for all commercial customers (\$85.81/month).

As reported in last year's budget presentation, in addition to the termination of services by the USFS at the east end of Lake Alpine, two (2) of the District's commercial customers, including Alpine County's Community Center (aka Perry Walther Building) and the Base Camp Lodge, suffered significant structural damage during the 2019 winter leading each building to be red tagged by the Alpine County Building Department and immediately disrupting billable wastewater flows. The Perry Walther Building returned to active use late this past winter while the Base Camp Lodge is still undergoing extensive remodeling. Consequently, this preliminary budget proposal contemplates only minimum monthly billing for both accounts in FY 20-21 due to little or no water use but anticipates both to return to normal operation for FY 21-22 and beyond restoring approximately + \$12,000 in commercial revenues as reflected in the 3 year projection included in the preliminary budget.

In summary, due to the opportunity to realize the full twelve (12) month impact of the 6.2 % inflation based sewer service rate increase for both residential and commercial customers combined with modest increased water use by certain commercial customers particularly in during the fall 2019 effectively offsetting to a limited extent the reduced usage by other commercial customers following the SIP, this preliminary budget projects **total service rate revenue for FY 20-21 to be \$775,000** or only **- 0.52 %** less than the estimated actual revenue projected for the previous fiscal cycle.

### **Expenses**

Operating expenses for fiscal year 2020 - 21 are expected to **increase approximately 3.29 % to \$646,643** over the previous year's estimated actual budget. This modest increase is largely confined to three specific areas including an increase in regulatory fees as well as further expansion of the District's collection system maintenance program and a measurable decrease in insurance premiums.

Below is a summary of the most notable expense areas that impact this preliminary budget projection for FY 20-21:

- **Salaries, Wages and Benefits:** Salaries, wages and benefits area projected to **increase +3.65 %** for FY 20-21 when compared to the approved budget for this expense area in in FY 19-20. The majority of the District's staff have reached Step 5 in their respective 5 % wage steps and are now enjoying only modest annual COLA wage increases of 2.5 %. The District continues to see long term, seasonal staff slowly reduce their seasonal (summer) working hours downward each summer (e.g. 40 hours per week to 32 hours per week, 32 hours to 24) leading to less significant increases to the aggregate year-over-year budget and providing a soft landing for the District as these employees near retirement.

At the same time, this summer the District will be expanding its collection system maintenance program by adding approximately six (6) additional weeks of maintenance time to this crew's schedule, including the full month of October and the latter half of June (weather permitting). The addition of nearly 6 weeks of hydro-jetting and CCTV work as part of the District's Sewer System Management Plan (SSMP) will permit the District to ideally clean and survey up to an additional 24 - 36 pipe segments or potentially nearly 11,000 more linear feet than the previous year. These two seasonal, part time employees will continue to dedicate approximately 16 hours per week now for up to 18 weeks or an additional 288 man hours for an **added fiscal impact of + 1.9 % or + \$6261**.

- **Regulatory Fees:** Permit and dam fees have increased incrementally year-over-year for many years. Both the Department of Dams (DOD) and the State Water Quality Control Board (SWQCB) have notified public water agencies who own dams or have waste discharge permits to continue to anticipate substantially higher fees for FY 20 - 21, including 17 % and 9 % increases respectively for the upcoming fiscal cycle. As a result, the District is forecasting **an increase of approximately + 10.18 % or \$4580** for taxes, fees, licenses and assessments for FY20-21.
- **Insurance:** The District's current combined insurance premiums total \$22,802. Staff worked diligently this year to pursue potential discounts on the District's worker's compensation and package policy which includes property, commercial crime, general liability, commercial excess liability, public officials and management liability as well as business auto coverage. Proposals from two leading



insurers in the water industry, including the District's current carrier California Association of Mutual Water Companies (administered by Allied Public Risk) and Glatfelter Public Practice who formerly provided coverage for the District most recently in FY 12 – 13 were received. Glatfelter's proposal provided for nearly a – 51 % discount over the current term premium and included equivalent coverage limits. Cal Mutuals, informed they were now competing for our business, provided a proposal with a nearly – 62 % discount or - \$6419 less than the current term policy premium presuming we kept our worker's compensation policy with them (\$5952 annual premium) for FY 20 -21. The District's package policy for FY 20 – 21 will fall from \$16,804 to \$10,385 with an aggregate reduction for this expense line in the FY 20 – 21 preliminary budget of – 19.56 %.

### Capital Projects

As the Board discussed at its March 2020 meeting, Regional Board staff provided an early affirmative response to an initial query of them regarding proposed changes to the District's next NPDES permit it would like included. Yet, with this positive reception, the Regional Board strongly encouraged the District to submit its Report of Waste Discharge (ROWD), technically due in February 2021, in June 2020 to allow Regional Board staff ample time to evaluate the proposed permit changes and present them to the Water Board for approval.

To this end, District staff engaged Stantec Consulting Services, Inc. to support it in preparing the ROWD together with an Antidegradation Analysis and an evaluation of the District's salinity minimization efforts as required in the District's current NPDES Order No. R5-2016-0045-02. When the District Board approved the FY 19-20 final budget in July 2019 it at the same time approved a 5-Year Cap Ex budget which included up to \$37,000 to cover permit renewal costs in FY 20-21. However, with the acceleration of the preparation of ROWD per the Regional Board's recommendation in FY 19 – 20 instead of FY 20 - 21, the District has committed \$26,649 to date on this effort. This unbudgeted expenditure adds substantially to an already swollen approved cap ex budget for FY 19 – 20 (\$189,053) largely related to the approved treatment lagoon upgrade project.

In light of the magnitude of the fiscal commitment of resources to prepare and submit the ROWD in the current fiscal cycle, combined with the uncertainty of additional potential costs to respond to questions or concerns from the regional board in advance of the preparation of a "tentative" order during FY 20 – 21, **the preliminary budget contemplates an additional \$10,000 for permit related capital expenditure costs over the upcoming fiscal cycle.**

In addition, the preliminary budget proposes the purchase of the *Vanguard 360 Pathogen Defense System* to help reduce the District's collection system maintenance team's exposure to bacteria, viruses and other pathogens in the sewer system. The Vanguard system works by disinfecting the hydrojetting hose as well as the CCTV line, both culprits behind the transfer of bacteria and viruses from the sewer to the operator, as they come out of the collection line and manhole and before they come into contact with the operator. While the novel coronavirus is clearly a concern and motivation behind this proposal, collection workers are clearly the point of highest exposure for the District both to COVID-19 as well as other unmitigated diseases including Hepatitis, gonorrhea, Candida Auris (a yeast fungal infection), Acinetobacter, Enterobacteriaceae (CRE), C. diff, MRSA and others. **The cost of the unit including installation is estimated at \$11,000.**

**In summary, capital expenditures for FY 20 - 21 are proposed to be conservative at \$21,000** and specifically recognizes the fact that the cost of preparation of the ROWD originally budgeted for the proposed fiscal cycle have been largely already consumed in the previous cycle.

## **RECOMMENDATION**

**FY 20-21 net income is anticipated to be \$34,144.** The conservative budgeting approach employed by staff over the past few years seems to consistently provide for above net income revenue year over year and staff believes FY 20-21 to continue this trend suggesting that this number is likely to be higher than projected.

**FY 20-21 net cash flow is expected to be \$75,950.** With the exception of FY 19 -20 and the large cash outlay for the treatment lagoon upgrade project, this cash flow estimate is similar if not higher to previous cycle positive cash flow estimates.

**Therefore, it is recommended that the Board vote to approve the preliminary FY 20-21 budget and 3-Year forecasted projection as presented.**

## **ACTION:**

1. Motion to Accept the preliminary FY 20-21 budget proposal and 3-Year forecast projected budget as presented

Attachments:

- FY 2020-21 Budget & 3-Year Budget Forecast Projection
- 5 Year+ Cap Ex Budget
- BVWD Notice: Sewer Service Charges – Increase Effective January 1, 2020
- Stantec Proposal for NPDES Permit Renewal Services – Dated March 18, 2020
- Owen Equipment Vanguard 360 Pathogen Defense System Proposal – Dated May 12, 2020
- Vanguard 360 Pathogen Defense System, CDC and other related information

Bear Valley Water District Financial Year 2020-21 + 3 Year Budget Forecast										
	BUDGET FY 19 - 20 (ACTUAL - EST)	% DIFF PREV YR	BUDGET FY 20 - 21	% DIFF PREV YR	BUDGET FY 21 - 22	% DIFF PREV YR	BUDGET FY 22 - 23	% DIFF PREV YR	BUDGET FY 23 - 24	% DIFF PREV YR
<b>REVENUES</b>										
Residential	609,807		625,000		625,000	0.00%	625,000	0.00%	625,000	0.00%
Commercial	169,209		150,000		162,000	7.41%	162,000	0.00%	162,000	0.00%
<b>Subtotal Operating Revenue</b>	<b>779,016</b>		<b>775,000</b>	<b>-0.52%</b>	<b>787,000</b>	<b>1.52%</b>	<b>787,000</b>	<b>0.00%</b>	<b>787,000</b>	<b>0.00%</b>
<b>EXPENSES</b>										
Salaries and Benefits	349,202		373,863		382,674		391,246		399,838	
Director Expenses - Meetings, Elections, Training	1,369		2,000		2,000		2,000		2,000	
Operator Education, Training & Certifications	239		1,500		1,500		1,500		1,500	
Gas, Diesel, Oil & Filters	3,034		3,500		3,500		3,500		3,000	
Insurance	19,130		16,000		16,000		16,000		16,000	
Memberships & Conferences	6,350		3,500		3,500		3,500		3,500	
Office Expenses & Supplies	9,078		10,000		10,000		10,000		10,000	
Field Expenses & Supplies	23,463		25,000		25,000		25,000		25,000	
Grooming, Snow Removal & Vehicle Storage	2,636		3,500		3,500		3,500		3,500	
General Engineering & Consulting	315		5,000		5,000		5,000		5,000	
General Legal & Accounting	15,515		10,000		10,000		10,000		10,000	
Equipment Rental	467		600		600		600		600	
Repairs & Maintenance	71,231		60,000		60,000		60,000		60,000	
Laboratory Fees	11,022		15,000		15,000		15,000		15,000	
Regulatory Reporting & Compliance Projects	6,330		7,000		7,000		7,000		7,000	
Taxes, Fees, Licenses & Assessments	40,420		45,000		45,000		45,000		45,000	
Utilities	65,386		65,000		65,000		65,000		65,000	
<b>Subtotal Operating Expenses</b>	<b>625,187</b>		<b>646,463</b>	<b>3.29%</b>	<b>655,274</b>	<b>1.34%</b>	<b>663,846</b>	<b>1.29%</b>	<b>671,938</b>	<b>1.20%</b>
<b>Net Operational Income</b>	<b>153,829</b>		<b>128,537</b>		<b>131,726</b>		<b>123,154</b>		<b>115,062</b>	
<b>OTHER REVENUE</b>										
Interest Income - LAIF	6,890		6,500		6,500		6,500		6,500	
Late Fees, Penalties & Interest	5,781		2,000		2,000		2,000		2,000	
Expense Reimbursements - USFS	6,685		7,608		4,500		4,500		4,500	
Expense Reimbursements - Concessionnaire	2,740		8,642		4,500		4,500		4,500	
Connection Fees (Incl Application & Inspection Fees)	0		0		0		0		0	
<b>Subtotal Other Revenue</b>	<b>22,095</b>		<b>24,749</b>		<b>17,500</b>		<b>17,500</b>		<b>17,500</b>	
<b>OTHER EXPENSES</b>										
Loan Interest	15,646		12,318		9,683		8,749		6,822	
Depreciation	110,019		106,825		100,596		91,868		84,653	
<b>Subtotal Other Expenses</b>	<b>125,665</b>		<b>119,143</b>		<b>110,279</b>		<b>100,617</b>		<b>91,475</b>	
<b>Net Other Income</b>	<b>(103,570)</b>		<b>(94,394)</b>		<b>(92,779)</b>		<b>(83,117)</b>		<b>(73,975)</b>	
<b>NET INCOME</b>	<b>50,259</b>		<b>34,144</b>		<b>38,947</b>		<b>40,037</b>		<b>41,087</b>	
<b>NON-CASH EXPENDITURES (included in net income)</b>										
Depreciation	110,019		106,825		100,596		91,868		84,653	
<b>Subtotal Non-Cash Expenses</b>	<b>110,019</b>		<b>106,825</b>		<b>100,596</b>		<b>91,868</b>		<b>84,653</b>	
<b>CASH EXPENDITURES (Not Included in net income)</b>										
Capital Improvements / Replacements	(214,126)		(21,000)		(60,000)		(50,000)		(22,000)	
Loan Payments - Principal	(40,692)		(44,019)		(41,960)		(47,589)		(49,515)	
<b>Subtotal Addl Cash Expenses</b>	<b>(254,818)</b>		<b>(65,019)</b>		<b>(101,960)</b>		<b>(97,589)</b>		<b>(71,515)</b>	
<b>NET CASH FLOW</b>	<b>(94,540)</b>		<b>75,950</b>		<b>37,583</b>		<b>34,316</b>		<b>54,225</b>	
<b>Debt/Coverage Ratio - Loan Covenants - 1.25 or Greater</b>	<b>3.939</b>		<b>3.202</b>		<b>3.326</b>		<b>2.772</b>		<b>2.539</b>	

**5 Year+ Capital Expenditure Budget**

	FY 20-21	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
<b>Collections</b>							
Main Pump Station							
Grinder Replacement		60,000					
LABR Pump Station							
Grinder Replacement			50,000				
Generator Replacement						50,000	
Cleaning & CCTV							
Vanguard Pathogen Defense System	11,000						
330' Push Cam				12,000			
<b>Vehicles</b>							
New Truck - General Operations / Improve Jetter Towing Capacity							60,000
New Snowmobile							10,000
<b>Intangible Assets - Regulatory Compliance, Permits</b>							
NPDES Permit Renewal & Project Mgt	10,000				25,000		
Priority Pollutant Testing - Once in the Permit Term				10,000			
<b>Totals</b>	<b>\$21,000.00</b>	<b>\$60,000.00</b>	<b>\$50,000.00</b>	<b>\$22,000.00</b>	<b>\$25,000.00</b>	<b>\$50,000.00</b>	<b>\$70,000.00</b>



**NOTICE: SEWER SERVICE CHARGES**  
**WILL INCREASE EFFECTIVE JANUARY 1, 2020**

November 15, 2019

On October 21, 2019, the Bear Valley Water District ("District") Board of Directors approved an increase to the current sewer service charges ("New Sewer Charges") to account for inflation beginning 2016 to date.

This increase was authorized by the 2014 District Proposition 218 Rate Increase which allows the District to make inflationary adjustments for up to five (5) years beginning 2016.

Below are the District's New Sewer Charges which will become effective on January 1, 2020.

The District strongly encourages all rate payers who have established auto-payment through their own financial institutions to review their payment details and amend the payment amount to meet the new rate as noted below.

For customers who have established auto payment directly with the District, no additional action will be required. The District will debit your payment account at the new rate beginning January 1, 2020.

If you have any questions, please contact the District office at 209.753.2112, Monday – Friday 9AM – 5PM.

Jeff Gouveia  
General Manager  
[Jeff.Gouveia@bvwd.ca.gov](mailto:Jeff.Gouveia@bvwd.ca.gov)

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**New Sewer Service Rates Effective January 1, 2020:**

**Residential**

Single family dwellings and condominiums are charged a flat monthly rate and billed quarterly.

<u>Residential Rate</u> (per Equivalent Dwelling Unit (EDU))	<u>Monthly</u>	<u>Quarterly</u>
Single family, multi-family	\$96.35	\$289.05

**Non-Residential Rates**

Users other than residential users shall be charged their actual water usage at a cost per gallon or the commercial minimum monthly charge, whichever is greater.

<u>Commercial Rate</u> (per gallon)	<u>Rate</u>	<u>Minimum Monthly</u>
Retail / Commercial / Restaurant / Hotel / Resort	\$0.068	\$85.81



**Stantec Consulting Services Inc.**  
3875 Atherton Road, Rocklin CA 95765-3716

March 18, 2020

**Attention:** Jeff Gouveia, General Manager  
Bear Valley Water District  
441 Creekside Drive, P.O Box 5027  
Bear Valley, CA 95223

Dear Jeff,

**Reference: Proposal for NPDES Permit Renewal Services**

The Bear Valley Water District (District) has a National Pollutant Discharge Elimination System (NPDES) permit (Order No. R5-2016-0045-02 as amended by Order No. R5-2017-0041 and Order No. R5-2019-0078) adopted by the Central Valley Regional Water Quality Control Board (Regional Board) for their Wastewater Treatment Facility's (WWTF's) discharge into Bloods Creek. The District's NPDES permit expires on July 31, 2021 and the District must file a Report of Waste Discharge (ROWD) by February 1, 2021. In response to the District's request for permitting assistance, we are pleased to offer this proposal to provide assistance during the District's NPDES permit renewal process. Tasks to be implemented by Stantec and the estimated budget are summarized in the following Scope of Services. This Scope deals with renewing Order R5-2016-0045-02 and does not address the renewal of the District's land permit. Stantec understands that the District will perform much of the work for the ROWD themselves.

### **Task 1. Salinity Evaluation and Minimization Plan**

With their ROWD submittal, the District must also submit a summary of the effectiveness of their Salinity Evaluation and Minimization Plan. Stantec will review the District's current Salinity Evaluation and Minimization Plan and analyze the District's water quality data. Additionally, the District will receive a Notice to Comply (NTC) with new salinity requirements from the Regional Board as a result of the CV-SALTS initiative completed in 2019. Stantec will review the NTC and assess whether any changes to the current Salinity Evaluation and Minimization Plan are necessary for compliance. Stantec will prepare a draft summary of the findings for District comments. Stantec will prepare a final report incorporating the District's comments for submittal to the Regional Board.

Estimated Budget: \$4,000

### **Task 2. Antidegradation Analysis**

Currently, the District is only permitted to discharge to Bloods Creek from January 1 to June 31 under "emergency" conditions. The District desires to remove the "emergency" language from the forthcoming new Order and extend the permitted seasonal discharge through July. For the Regional Board to consider the change, the District must submit an antidegradation analysis demonstrating compliance with state and federal antidegradation requirements. Stantec will perform the antidegradation analysis and prepare a draft report for the District's comments. Stantec will prepare a final report incorporating the District's comments for submittal to the Regional Board.

Estimated Budget: \$8,000

Reference: Proposal for NPDES Permit Renewal Services

### Task 3. Project Facilitation and Management

Stantec will provide project facilitation and management to oversee the project's progress and complete tasks such as discussing permitting issues as they arise with the Regional Board and/or District, scheduling updates, billing, report coordination, etc. Stantec's Project Manager will manage the scope and budget for the project through cost control and reporting system.

Estimated Budget: \$3,000

### Task 4. As-Needed Permitting Services

Stantec will provide additional services related to renewal of the District's Order as requested by the District. These services will be provided on a time and materials basis in an amount not to exceed the estimated budget for this task. It is anticipated that the District will receive a letter from the Regional Board detailing the results of the Regional Board's mid-permit review and items to consider when submitting the ROWD. As-needed services may include (but are not limited to) assisting with the following items:

- Completing the ROWD,
- Addressing any items detailed in the mid-permit review letter from the Regional Board,
- Meeting with the Regional Board to discuss the mid-permit review letter (if recommended by the Regional Board),
- Complying with the NTC with salinity requirements if additional services are needed, and
- Addressing any changes to the dilution/mixing zone (if recommended by the Regional Board).

Budget allocated for Task 4 will be utilized upon receiving authorization from the District.

Estimated Budget: \$10,000

### Task 5. Contingency

An estimate of contingency funds potentially needed for a project of this nature has been included for the District's consideration. Since it is not known what issues the Regional Board and/or District might have with the renewed Order at this time, this contingency estimated budget is included for any unforeseen circumstances. None of the Task 5 budget will be used without advanced written authorization from the District.

Estimated Budget: \$5,000

Reference: Proposal for NPDES Permit Renewal Services

## Summary/Schedule

Stantec proposes to complete the tasks described in this proposal on a time and materials basis following the rate schedule (included in Attachment A) in an amount not to exceed \$30,000 (including the contingency budget). Subject to final review and execution by Stantec and Bear Valley Water District, the attached Standard Terms and Conditions will govern the scope of work summarized herein (see Attachment B).

Stantec proposes to complete Task 1 and Task 2 by June 30, 2020. This will allow time to identify any additional tasks to be completed, or additional information that should be summarized for inclusion with the final ROWD, which is due to be submitted to the Regional Water Board by February 1, 2021.

Regards,

**Stantec Consulting Services Inc.**



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**Vijay Sundaram, PhD, PE**  
Regional Practice Leader- Wastewater  
Phone: (916) 773-8100  
vijay.sundaram@stantec.com



# ATTACHMENT A



## SCHEDULE OF BILLING RATES – 2020

Billing Level	Hourly Rate	Description
3	\$108	<b>Junior Level position</b> <input type="checkbox"/> Independently carries out assignments of limited scope using standard procedures, methods and techniques <input type="checkbox"/> Assists senior staff in carrying out more advanced procedures <input type="checkbox"/> Completed work is reviewed for feasibility and soundness of judgment <input type="checkbox"/> Graduate from an appropriate post-secondary program or equivalent <input type="checkbox"/> Generally, one to three years' experience
4	\$113	
5	\$128	
6	\$132	<b>Fully Qualified Professional Position</b> <input type="checkbox"/> Carries out assignments requiring general familiarity within a broad field of the respective profession <input type="checkbox"/> Makes decisions by using a combination of standard methods and techniques <input type="checkbox"/> Actively participates in planning to ensure the achievement of objectives <input type="checkbox"/> Works independently to interpret information and resolve difficulties <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, three to six years' experience
7	\$143	
8	\$149	
9	\$159	<b>First Level Supervisor or first complete Level of Specialization</b> <input type="checkbox"/> Provides applied professional knowledge and initiative in planning and coordinating work programs <input type="checkbox"/> Adapts established guidelines as necessary to address unusual issues <input type="checkbox"/> Decisions accepted as technically accurate, however may on occasion be reviewed for soundness of judgment <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, five to nine years' experience
10	\$165	
11	\$176	
12	\$185	<b>Highly Specialized Technical Professional or Supervisor of groups of professionals</b> <input type="checkbox"/> Provides multi-discipline knowledge to deliver innovative solutions in related field of expertise <input type="checkbox"/> Participates in short and long range planning to ensure the achievement of objectives <input type="checkbox"/> Makes responsible decisions on all matters, including policy recommendations, work methods, and financial controls associated with large expenditures <input type="checkbox"/> Reviews and evaluates technical work <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, ten to fifteen years' experience with extensive, broad experience
13	\$193	
14	\$209	
15	\$219	<b>Senior Level Consultant or Management</b> <input type="checkbox"/> Recognized as an authority in a specific field with qualifications of significant value <input type="checkbox"/> Provides multi-discipline knowledge to deliver innovative solutions in related field of expertise <input type="checkbox"/> Independently conceives programs and problems for investigation <input type="checkbox"/> Participates in discussions to ensure the achievement of program and/or project objectives <input type="checkbox"/> Makes responsible decisions on expenditures, including large sums or implementation of major programs and/or projects <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, more than twelve years' experience with extensive experience
16	\$234	
17	\$242	



The following Terms and Conditions are attached to and form part of a proposal for services to be performed by Consultant and together, when the Client authorizes Consultant to proceed with the services, constitute the Agreement. Consultant means the Stantec entity issuing the Proposal.

**DESCRIPTION OF WORK:** Consultant shall render the services described in the Proposal (hereinafter called the "Services") to the Client.

**DESCRIPTION OF CLIENT:** The Client confirms and agrees that the Client has authority to enter into this Agreement on its own behalf and on behalf of all parties related to the Client who may have an interest in the Project.

**TERMS AND CONDITIONS:** No terms, conditions, understandings, or agreements purporting to modify or vary these Terms and Conditions shall be binding unless hereafter made in writing and signed by the Client and Consultant. In the event of any conflict between the Proposal and these Terms and Conditions, these Terms and Conditions shall take precedence. This Agreement supercedes all previous agreements, arrangements or understandings between the parties whether written or oral in connection with or incidental to the Project.

**COMPENSATION:** Payment is due to Consultant upon receipt of invoice. Failure to make any payment when due is a material breach of this Agreement and will entitle Consultant, at its option, to suspend or terminate this Agreement and the provision of the Services. Interest will accrue on accounts overdue by 30 days at the lesser of 1.5 percent per month (18 percent per annum) or the maximum legal rate of interest. Unless otherwise noted, the fees in this agreement do not include any value added, sales, or other taxes that may be applied by Government on fees for services. Such taxes will be added to all invoices as required.

**NOTICES:** Each party shall designate a representative who is authorized to act on behalf of that party. All notices, consents, and approvals required to be given hereunder shall be in writing and shall be given to the representatives of each party.

**TERMINATION:** Either party may terminate the Agreement without cause upon thirty (30) days notice in writing. If either party breaches the Agreement and fails to remedy such breach within seven (7) days of notice to do so by the non-defaulting party, the non-defaulting party may immediately terminate the Agreement. Non-payment by the Client of Consultant's invoices within 30 days of Consultant rendering same is agreed to constitute a material breach and, upon written notice as prescribed above, the duties, obligations and responsibilities of Consultant are terminated. On termination by either party, the Client shall forthwith pay Consultant all fees and charges for the Services provided to the effective date of termination.

**ENVIRONMENTAL:** Except as specifically described in this Agreement, Consultant's field investigation, laboratory testing and engineering recommendations will not address or evaluate pollution of soil or pollution of groundwater.

**PROFESSIONAL RESPONSIBILITY:** In performing the Services, Consultant will provide and exercise the standard of care, skill and diligence required by customarily accepted professional practices normally provided in the performance of the Services at the time and the location in which the Services were performed.

**INDEMNITY:** The Client releases Consultant from any liability and agrees to defend, indemnify and hold Consultant harmless from any and all claims, damages, losses, and/or expenses, direct and indirect, or consequential damages, including but not limited to attorney's fees and charges and court and arbitration costs, arising out of, or claimed to arise out of, the performance of the Services, excepting liability arising from the sole negligence of Consultant.

**LIMITATION OF LIABILITY:** It is agreed that the total amount of all claims the Client may have against Consultant under this Agreement, including but not limited to claims for negligence, negligent misrepresentation and/or breach of contract, shall be strictly limited to the lesser of professional fees paid to Consultant for the Services or \$50,000.00. No claim may be brought against Consultant more than two (2) years after the cause of action arose. As the Client's sole and exclusive remedy under this Agreement any claim, demand or suit shall be directed and/or asserted only against Consultant and not against any of Consultant's employees, officers or directors.

Consultant's liability with respect to any claims arising out of this Agreement shall be absolutely limited to direct damages arising out of the Services and Consultant shall bear no liability whatsoever for any consequential loss, injury or damage incurred by the Client, including but not limited to claims for loss of use, loss of profits and/or loss of markets.

Liability of Consultant shall be further limited to such sum as it would be just and equitable for Consultant to pay having regard to the extent of its responsibility for the loss or damage suffered and on the assumptions that all other consultants and all contractors and sub-contractors shall have provided contractual undertakings on terms no less onerous than those set out in this Agreement to the Client in respect of the carrying out of their obligations and have paid to the Client such proportion of the loss and damage which it would be just and equitable for them to pay having regard to the extent of their responsibility.

**DOCUMENTS:** All of the documents prepared by or on behalf of Consultant in connection with the Project are instruments of service for the execution of the Project. Consultant retains the property and copyright in these documents, whether the Project is executed or not. These documents may not be used for any other purpose without the prior written consent of Consultant. In the event Consultant's documents are subsequently reused or modified in any material respect without the prior consent of Consultant, the Client agrees to defend, hold harmless and indemnify Consultant from any claims advanced on account of said reuse or modification.

Any document produced by Consultant in relation to the Services is intended for the sole use of Client. The documents may not be relied upon by any other party without the express written consent of Consultant, which may be withheld at Consultant's discretion. Any such consent will provide no greater rights to the third party than those held by the Client under the contract, and will only be authorized pursuant to the conditions of Consultant's standard form reliance letter.

Consultant cannot guarantee the authenticity, integrity or completeness of data files supplied in electronic format ("Electronic Files"). Client shall release, indemnify and hold Consultant, its officers, employees, Consultant's and agents harmless from any claims or damages arising from the use of Electronic Files. Electronic files will not contain stamps or seals, remain the property of Consultant, are not to be



used for any purpose other than that for which they were transmitted, and are not to be retransmitted to a third party without Consultant's written consent.

**FIELD SERVICES:** Consultant shall not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with work on the Project, and shall not be responsible for any contractor's failure to carry out the work in accordance with the contract documents. Consultant shall not be responsible for the acts or omissions of any contractor, subcontractor, any of their agents or employees, or any other persons performing any of the work in connection with the Project. Consultant shall not be the prime contractor or similar under any occupational health and safety legislation.

**GOVERNING LAW/COMPLIANCE WITH LAWS:** The Agreement shall be governed, construed and enforced in accordance with the laws of the jurisdiction in which the majority of the Services are performed. Consultant shall observe and comply with all applicable laws, continue to provide equal employment opportunity to all qualified persons, and to recruit, hire, train, promote and compensate persons in all jobs without regard to race, color, religion, sex, age, disability or national origin or any other basis prohibited by applicable laws.

**DISPUTE RESOLUTION:** If requested in writing by either the Client or Consultant, the Client and Consultant shall attempt to resolve any dispute between them arising out of or in connection with this Agreement by entering into structured non-binding negotiations with the assistance of a mediator on a without prejudice basis. The mediator shall be appointed by agreement of the parties. The Parties agree that any actions under this Agreement will be brought in the appropriate court in the jurisdiction of the Governing Law, or elsewhere by mutual agreement. Nothing herein however prevents Consultant from any exercising statutory lien rights or remedies in accordance with legislation where the project site is located.

**ASSIGNMENT:** The Client shall not, without the prior written consent of Consultant, assign the benefit or in any way transfer the obligations under these Terms and Conditions or any part hereof.

**SEVERABILITY:** If any term, condition or covenant of the Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions of the Agreement shall be binding on the Client and Consultant.

**CONTRA PROFERENTEM:** The parties agree that in the event this Agreement is subject to interpretation or construction by a third party, such third party shall not construe this Agreement or any part of it against either party as the drafter of this Agreement.

**CLIENT:** Jeff Gouveia, General Manager  
Print Name and Title

**STANTEC:** Vijay Sundaram, Senior Principal  
Print Name and Title

Signature \_\_\_\_\_

Signature \_\_\_\_\_



ENVIRONMENTAL SALES • RENTALS • SERVICE

May 12, 2020

Bear Valley Water District  
441 Creekside Dr  
Bear Valley, CA 95223

Attn: Jeff Gouveia, General Manager

Subject: **Vanguard 360 Pathogen Defense System**

On behalf of the employees of Owen Equipment Company, I wanted to thank you for your interest in the Vanguard Pathogen Defense System. Pursuant to your request, attached is a Proposal for the Vanguard 360 Pathogen Defense System. As we talked on the phone, the installation can be done using your staff and the unit will come with the necessary Installation instructions. The system should take around 16 manhours to install.



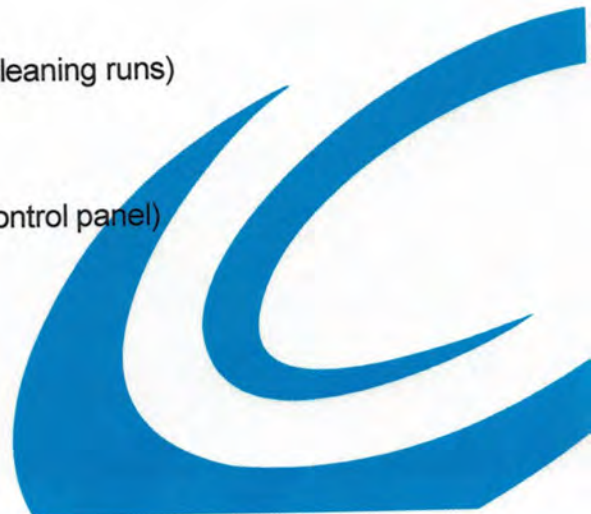
**VG-171-JTCL System Includes:**

Dual Pump Main Control System  
Spray Collar Assembly (6061 Aluminum)  
Spray Collar Holster (conveniently holds collar between cleaning runs)  
50' Retractable Hose Reel  
Spray Hand Gun with 3 nozzles (0°, 15°, 25°)  
5 Gallon Antibacterial Concentrate Tank  
Front or Rear mounted valve control kit (operates at jet control panel)

Portland 13101 NE Whitaker Way • PO Box 30959 • Portland, OR 97294  
(503) 255-9055 • (800) 992-3656 • fax (503) 256-3880

Kent 8721 South 218<sup>th</sup> Street • Kent, WA 98031  
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[www.owenequipment.com](http://www.owenequipment.com)







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Aluminum adaptor block w/bolts for hose guide  
Electrical & System Installation Kit

Unit Price, VG-171-JTCL.....	\$8,995.00
Sales Tax (7.25%) .....	\$ 652.14
Freight to .....	\$ 150.00
Labor and Sani Solution .....	Not included
Total Package Price, FOB Redwood C.....	\$ 9,647.14

Sani Solution, SSL-55, 55 gallon drum.....	\$ 1,900.00
Sani Solution, SSL-05, 5 gallon drum.....	\$ 225.00

*Sani solution dilution rate is 29:1. Price does not include sales tax or freight on the sani solution.*

THE PROPERTY HEREIN IS GUARANTEED BY MANUFACTURER'S WARRANTY ONLY AND SELLER MAKES NO WARRANTY EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR OTHERWISE, OR OF FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTENDS BEYOND THE ABOVE DESCRIPTION OF THE EQUIPMENT.

**NOTE:** Price is good for 30 Days. Cost increases due to the addition of Government mandated safety or environmental devices incurred after the date of this proposal, will be charged to you at our cost. Proof of such costs, if any, will be documented.

**TAXES:** SALES TAX applicable at time of delivery will be shown on our invoice. FEDERAL EXCISE TAXES, if applicable, will require payment unless a properly executed Exemption Certificate is submitted.

**DELIVERY:** 30-45 Days ARO

**TERMS:** Balance due on  
delivery.

Please let me know if you have any questions or if I can be of further assistance. My phone number is (510) 604-9970

Sincerely,

*Alan Freeman*

Alan Freeman  
Territory Manager  
Office: 707-422-2333  
Cell: 707-237-1020  
E-mail: [afreeman@owenequipment.com](mailto:afreeman@owenequipment.com)

Portland 13101 NE Whitaker Way • PO Box 30959 • Portland, OR 97294  
(503) 255-9055 • (800) 992-3656 • fax (503) 256-3880

Kent 8721 South 218<sup>th</sup> Street • Kent, WA 98031  
(253) 852-5819 • (800) 422-2059 • fax (253) 852-8913

[www.owenequipment.com](http://www.owenequipment.com)







**When looking out for wastewater worker safety,  
they prefer you don't use this view.**

Hospitals, hospices, medical clinics, veterinarians, etc., have routinely dumped contagious pathogens into our sewers and drains for years. Now, after decades of doing so, new studies on wastewater show many of these dangerous pathogens are not only living, but thriving in sewer pipes and manholes. These recent findings are causing increased concern for wastewater worker infection and sickness.

The Vanguard Pathogen Defense System for Jet, Combo, and CCTV trucks is purpose-built to do one thing and do one thing very well: help reduce your sewer maintenance team's exposure to these pathogens.

Reduction of pathogens up to 98% are regularly documented when doing on-site field studies and on a 3rd party study\*.

**See how the full system works: [www.vanguard-systems.us](http://www.vanguard-systems.us)**



Live ATP readings Knoxville, TN Demonstration \* 3rd Party Study Conducted by TIG Laboratories







# Multi Purpose Anti-Bacterial Cleaning System

## Independent lab results / Report Summary

www.vanguard-systems.us Ph. (303) 884-7552

**IG Labs**

### EFFICACY OF HYDRO PRODUCTS' VANGUARD SYSTEM

Report # 04-05-12-79-r01

Laboratory report on testing the efficacy of Hydro Products Corp's Vanguard System. The Vanguard System is a mechanical and chemical system for cleaning and possible sanitizing of waste organic debris and biological material. This report summarizes the results of hose surfaces sampled from mobile wastewater equipment's jet line sewer cleaning and maintenance lines.

**Jack Matthews, Lab Manager**  
5/26/12

Report # 04-05-12-79-r01

**IGL**

#### Summary

The test results show, if not statistically, certainly comparatively, the Hydro Products Corp's Vanguard System reduced the harmful pathogenic load exhibited on the exterior of the jet line hose during operation.

The reduction of pathogens from 2500 CFU to 50 CFU represents two orders of magnitude reduction in contamination. All samples had consistent results please refer to Table 1.

Additional notes: During sampling, the technician noted the Hydro Products' Vanguard System was effective in debidding solid fecal matter from the hose surface. This was attributed to the effect of the high-pressure rinse action. The rinse was further enhanced by the angle of the jet nozzles. That is, the angled nozzles acted counter current to direction of the jet line spooling onto the truck or mobile equipment.

  
Jack Matthews  
Lab manager  
May 26, 2012

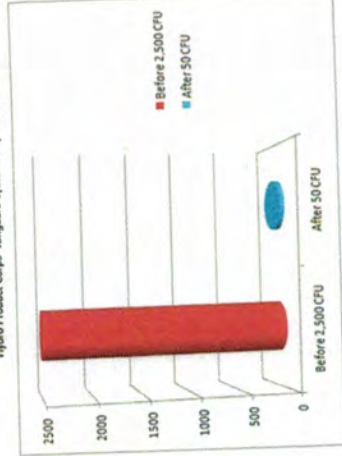
Chain of Custody and Test report copies available upon request

Attachments: Photos, series 1 pre-incubation Agar plates, series 2 post incubation Agar plates

TG Labs, LLC 8100 Union Avenue Suite 1409 Denver, CO 80237 Ph: 720-981-1622

3

Total CFU (Colony Formation Unit) Count Before & After Use of  
Hydro Product Corp's Vanguard System, May 9th 2012





# Dangerous superbugs kill more people than previously thought

More than 35,000 people die each year from drug resistant infections, and millions more are sickened.



Nov. 13, 2019, 11:01 AM MST

By Erika Edwards

Nearly twice as many people are dying from drug-resistant infections in the United States than previously thought, according to a report published Wednesday by the Centers for Disease Control and Prevention.

"Superbugs" are responsible for more than 35,000 deaths and nearly 3 million illnesses each year, the report found. The increase in deaths comes as researchers develop more sophisticated techniques to identify the deadly infections.

"Our first number was a conservative estimate," Michael Craig, senior adviser for antibiotic resistance at the CDC, said. "We have more concrete evidence that these infections actually lead to their deaths." Superbugs evolve when the germs — including bacteria and fungi — become resistant to nearly all the medications used to fight them. The fear, experts say, is that patients will develop once-treatable infections that are now resistant to every possible treatment.

"This is not some mystical apocalypse or fear-mongering - It is reality," said Dr. Victoria Fraser, the head of the Department of Medicine at the Washington University School of Medicine in St. Louis. "It's right here, right now," she said. "We are faced with trying to take care of patients who have drug-resistant infections that we have no treatment for." Fraser was not involved with the new CDC report.

Some of the most common drug-resistant illnesses are urinary tract infections, particularly among women and the elderly, as well as hospitalized patients who need urinary catheters. When doctors place catheters or other devices, such as IVs, pacemakers and artificial joints, inside the body, the risk for infection rises. It's these infections that are increasingly difficult to control and treat. "A lot of the things that we've come to rely upon to prolong life in our country are really predicated on being able to use and have an effective antibiotic in case someone gets an infection," Craig said. "We don't want to be in a position where people are surviving their cancer treatments because of great chemotherapy drugs but then ultimately dying of a drug-resistant infection because we don't have an effective antibiotic," he told NBC News. People most vulnerable to drug-resistant infections are often very sick already and have compromised immune systems. Young children and the elderly are most at risk, too, but some of the superbugs are affecting otherwise healthy people. "Some of these infections are now affecting healthier populations, which is a growing concern for us," Craig said.

## Five Urgent Threats

The report highlights five types of drug-resistant organisms the CDC deems "urgent threats." One is a type of yeast, called *Candida Auris*, which causes fungal infections. Another is the bacterium *Neisseria gonorrhoeae*, the cause of gonorrhea. Two



groups of bacteria are also on the list: Acinetobacter, which is commonly found in soil and water and can cause infections in blood, the urinary tract, and the lungs, or in open wounds; and carbapenem-resistant Enterobacteriaceae, or CRE. This group includes E. coli and Klebsiella Pneumoniae. The last is Clostridioides difficile, commonly called C. diff. Though these bacteria aren't as drug resistant as the other organisms listed, the infection can cause deadly diarrhea. When researchers included deaths associated with C. diff in the report, yearly superbug deaths in the U.S. rose by 13,000, to 48,000 deaths.

### **Fighting the problem**

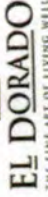
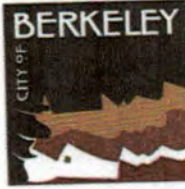
One way to fight drug-resistant infections is by developing new drugs to which the superbugs haven't yet evolved resistance. But this leads to what experts call an evolutionary arms race, with scientists and superbugs constantly one-upping each other. The responsibility doesn't only lie in scientists' hands, however. "We all have to do more," Craig said. "If everyone steps up, we know prevention is possible and we can see change. "There are a number of ways people can help combat the superbug problem and prevent it from getting worse. It starts with avoiding illnesses before antibiotics or anti-fungals are ever needed.

First, get the appropriate vaccines. Pneumococcal vaccine protects against bacterial pneumonia. And if you get the flu shot, you not only cut your risk of flu, but also secondary bacterial complications that can accompany severe cases. Practice good hand hygiene, meaning washing your hands with soap multiple times a day: before and after preparing food, before and after treating wounds and cuts, after going to the bathroom, after caring for sick children or changing diapers, and after cleaning up your pet's poop.

Take antibiotics only when necessary, exactly as the doctor prescribes them. "Using antibiotics when they're not indicated or when they're used for too long or at inadequate doses alters people's microbiome," Fraser said, referring to the collection of microbes that live in the gut. Antibiotics kill off bad bacteria, but also good, healthy bacteria in the gut and on the skin. Upsetting this delicate balance can put you at risk for diarrhea and yeast infections. Practice safe sex. When used consistently and correctly, condoms can greatly reduce the risk of getting a sexually transmitted infection, such as drug-resistant gonorrhea. When possible, choose meats from animals raised without unnecessary antibiotics. Just like in humans, overuse of antibiotics in farm animals can also lead to drug resistance. Those resistant germs can contaminate meat when the animals are slaughtered and processed.

-###-

You are not alone concerning protecting your workers against dangerous pathogens in wastewater. Here are a few of our partners we help keep healthy and well.



# AGENDA ITEM

DATE: JUNE 23, 2020, 2020

TO: BVWD BOARD OF DIRECTORS

FROM: JEFF GOUVEIA, DISTRICT GENERAL MANAGER

RE: MANAGER'S REPORT

---

1. Water Balance - Update
  - a. Influent Flows & Effluent Transfers
  - a. Effluent in Storage, Current Storage Capacity & Land / Surface Disposal Update
2. Permit Compliance & Monitoring & Reporting Programs (MRPs) - Update
  - a. WDR MRP - Land Discharge Permit – Compliance & Reporting Update
    - i. Reporting Status Matrix – All Monthly and Annual Reporting Submitted On-Time
    - ii. 1<sup>st</sup> Tri-Annual Groundwater Monitoring – Performed June 10-11
    - iii. 2019 Treatment Pond Upgrade Project - Update
  - b. NPDES MRP – Surface Water Discharge Permit – Compliance & Reporting Update
    - i. Reporting Status Matrix – All Monthly and Annual Reporting Submitted On-Time
    - ii. NPDES Self-Monitoring Report Review – Sept 2019 – Jan 2020, Feb 2020 – April 2020 – No Violations Identified
    - iii. NPDES 2021- 2025 Permit Renewal - Update
      - i. Mid-Term Permit Review, ROWD Reminder, Approval of Updated Mixing Zone Study
        - a. Reasonable Potential Analysis (RPA)
      - ii. Stantec Proposal for NPDES Permit Renewal Services
      - iii. Weber, Ghio & Associates 1 in 100 Year Water Balance – 2020 Update
        - a. Inflow & Inundation (I&I) Update
      - iv. Report of Waste Discharge – Due February 1, 2021 – Submitted June 2020
        - a. Cover Letter
        - b. Anti-degradation Analysis
        - c. Salinity Evaluation and Minimization Plan
        - d. SWRCB Form 200, EPA Forms 1, 2A & 2S
        - e. Maps & Schematics
3. Other
  - a. DSOD Inundation Map & Emergency Action Plan (EAP) – Update
    - i. DSOD April 1, 2020 Letter – Inundation Maps APPROVED
    - ii. EAP in Process – Tentative Draft Submittal to Office of Emergency Services (OES) Q3
  - b. CPUC / PGE Self Generation Incentive Program (SGIP) & Tesla Commercial Energy Storage
  - c. USFS Lake Alpine Commercial Account Vault Toilet Installation - Update
  - d. COVID-19 – Safety, Finance, Legislation, Water Board Memo, Policies @ Other Agencies



**Influent Flows (MG) – Total of ALL Wastewater Received / % change previous year**

<u>February 2020</u>	<u>February 2019</u>	<u>February 2018</u>
1.154 / 62.3%	1.884 / 102.6%	1.836 / 30.9%
<u>March 2020</u>	<u>March 2019</u>	<u>March 2018</u>
2.015 / 88.6%	2.275 / 62.9%	3.614 / 96.3%
<u>April 2020</u>	<u>April 2019</u>	<u>April 2018</u>
3.864 / 73.9%	5.230 / 119.6%	4.374 / 92.9%
<u>May 2020</u>	<u>May 2019</u>	<u>May 2018</u>
3.494 / 68.2%	5.123 / 272.9%	1.877 / 32.4%
<u>June 1- 17, 2020</u>	<u>June 2019</u>	<u>June 2018</u>
1.001	4.015 / 332.6%	1.207 / 37.0%

- Transferred to PR (MG) - Volume of Water Moved from Treatment to Storage / % change previous year**

<u>February 2020</u>	<u>February 2019</u>	<u>February 2018</u>
0.330 / 9.4%	3.522 / 159.7%	2.206 / 25.4%
<u>March 2020</u>	<u>March 2019</u>	<u>March 2018</u>
2.322 / 63.8%	3.641 / 62.8%	5.800 / 106.8
<u>April 2020</u>	<u>April 2019</u>	<u>April 2018</u>
3.984 / 68.3%	5.834 / 104.0%	5.612 / 85.2%
<u>May 2020</u>	<u>May 2019</u>	<u>May 2018</u>
4.820 / 97.9%	4.929 / 252.1%	1.955 / 27.2%
<u>June 1- 17, 2020</u>	<u>June 2019</u>	<u>June 2018</u>
2.017	2.614 / 206.8%	1.264 / 36.0%

- Land Application - Annual Totals – MG Applied / % change previous year**

<u>June 2 - 16, 2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
3.267	19.293	23.215 / 144.6%	16.051 / 30.5%	52.572 / 215.4%

2020 Land Application Began June 3

2019 Land Application Began July 12

- Surface Discharge - Effluent Flow Discharge Totals – MG**  
**NO EFFLUENT WAS DISCHARGED IN 2020**

<u>March 2019</u>	<u>April 2019</u>	<u>May 2019</u>	<u>June 2019</u>	<u>Total 2019 Discharge</u>
0.0	0.0	29.5	26.9	56.5
<u>March 2018</u>	<u>April 2018</u>	<u>May 2018</u>	<u>June 2018</u>	<u>Total 2018 Discharge</u>
0.0	11.9	11.7	0.0	23.6
<u>March 2017</u>	<u>April 2017</u>	<u>May 2017</u>	<u>June 2017</u>	<u>Total 2017 Discharge</u>
15.8	29.9	29.7	16.9	92.3

- Storage Reservoir Elevations and Volumes (based on 10/6/15 pressure chart):**

- Empty (minimum pool) = 7063.0' = 0 MG = 0'
  - Total Depth (w/2' Freeboard) = 7086.3' = 76.45 MG = 23.3'
  - Total Depth (spillway) = 7088.3' = 85.86 MG = 25.3'
  - Permitted Full Reservoir (2' Freeboard) = 7086.3' = 76.45 MG = 100%
    - Highest Level 2020 – 5/28/20 = 7075.6' = 33.01 MG = 43.2%
    - Highest Level 2019 – 5/1/19 = 7079.8' = 48.68 MG = 63.7%
    - Highest Level 2018 – 4/20/18 = 7078.3' = 42.88 MG = 56.1%
    - Highest Level 2017 – 3/8/17 = 7083.9' = 65.67 MG = 85.9%
    - Highest Level 2016 – 5/26/16 = 7081.9' = 57.16 MG = 74.7%
    - **Current Storage Volume = 7074.6 = 29.54 MG = 38.6% (6/17/2020)**
- Storage Volume 1 Year Ago = 7071.0 = 17.83 MG = 23.3% (6/20/2019)

- Collection System**

- **2019:** Jet 6,468', % change previous year: 92.5% Video 5800' % change previous year: 248.9%
- **2018:** Jet 6,990', % change previous year: 230%. Video 2330', % change previous year: 172.6%
- **2017** Jet 3030' Video 1350'

Water Board  
CIWQS

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### SMR / DMR Reporting

Facility Name: Bear Valley WWTF  
Water Board Office: Region 5S - Sacramento  
Reporting Level: Level 1

Order Number: 5-01-208  
Case Worker: Kenny Croyle

To review or submit a report, select it from the list below. To change the list of reports, check the status types and/or enter start and end dates.

Show reports that meet these criteria

Status:

- ☒ Submitted - report was already submitted to water board
- ☒ In-Progress - report has been edited but not submitted
- ☒ Past Due - report deadline has passed and report has not been submitted
- ☒ Future - report due date is in the future
- ☒ Withdrawn - report has been withdrawn

Show Report Due Between:  and

[Refresh List](#) [Show Calendar Year](#)

Search results:

Export to Excel Show: 100 Previous 1-14 of 14 Next

ID	Report Name	Type	Frequency	Reporting Period	Due Date	Status	Date Received	Data Reviewed	Certified Violations
2312386	May 2020	MONRPT	Monthly	05/01/2020 - 05/31/2020	07/01/2020	Future			No
2321322	June 2020	MONRPT	Monthly	06/01/2020 - 06/30/2020	08/01/2020	Future			No
2333179	July 2020	MONRPT	Monthly	07/01/2020 - 07/31/2020	09/01/2020	Future			No
2288019	Q1 2020 (3 times per year)	GR_WATER	Quarterly	04/01/2020 - 07/31/2020	09/01/2020	Future			No
2342964	August 2020	MONRPT	Monthly	08/01/2020 - 08/31/2020	10/01/2020	Future			No
2333180	Q2 2020 (3 times per year)	GR_WATER	Quarterly	08/01/2020 - 09/30/2020	11/01/2020	Future			No
2246839	November 2019	MONRPT	Monthly	11/01/2019 - 11/30/2019	01/01/2020	Submitted	12/23/2019		No
2257721	December 2019	MONRPT	Monthly	12/01/2019 - 12/31/2019	02/01/2020	Submitted	01/29/2020		No
2153877	2019	MONRPT	Annual	01/01/2019 - 12/31/2019	02/01/2020	Submitted	01/30/2020		No
2224553	Q3 2019 (3 times per year)	GR_WATER	Quarterly	10/01/2019 - 12/31/2019	02/01/2020	Submitted	11/19/2019		No
2286015	January 2020	MONRPT	Monthly	01/01/2020 - 01/31/2020	03/01/2020	Submitted	02/25/2020		No
2286016	February 2020	MONRPT	Monthly	02/01/2020 - 02/29/2020	04/01/2020	Submitted	03/23/2020		No
2286017	March 2020	MONRPT	Monthly	03/01/2020 - 03/31/2020	05/01/2020	Submitted	04/20/2020		No
2302980	April 2020	MONRPT	Monthly	04/01/2020 - 04/30/2020	06/01/2020	Submitted	05/19/2020		No



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### SMR / DMR Reporting

Facility Name: Bear Valley WWTF  
Water Board Office: Region 5S - Sacramento  
Reporting Level: Level II

Order Number: R5-2016-0045  
Case Worker: Mohammad Farhad  
All Electronic Date: 08/01/2016

To review or submit a report, select it from the list below. To change the list of reports, check the status types and/or enter start and end dates.

Show reports that meet these criteria

Status:

☒ Submitted - report was already submitted to water board

☒ In-Progress - report has been edited but not submitted

☒ Past Due - report deadline has passed and report has not been submitted

☒ Future - report due date is in the future

☒ Withdrawn - report has been withdrawn

Show Report Due Between: 12/15/2019 and 12/15/2020

Refresh List

Show Calendar Year

Search results:

ID	Report Name	Type	Frequency	Reporting Period	Due Date	Status	Date Received	Date Reviewed	Certified Violations	Report	Withdrawal
2312572	May 2020	MONNPDES	Monthly	05/01/2020 - 05/31/2020	07/01/2020	Future			No		
2322003	June 2020	MONNPDES	Monthly	06/01/2020 - 06/30/2020	08/01/2020	Future			No		
2333393	July 2020	MONNPDES	Monthly	07/01/2020 - 07/31/2020	09/01/2020	Future			No		
2343193	August 2020	MONNPDES	Monthly	08/01/2020 - 08/31/2020	10/01/2020	Future			No		
1894808	November 2019	MONNPDES	Monthly	11/01/2019 - 11/30/2019	01/01/2020	Submitted	12/23/2019		No	Download Report	
1894810	December 2019	MONNPDES	Monthly	12/01/2019 - 12/31/2019	02/01/2020	Submitted	01/29/2020		No	Download Report	
1894811	2019	MONNPDES	Annual	01/01/2019 - 12/31/2019	02/01/2020	Submitted	01/30/2020		No	Download Report	
2290449	January 2020	MONNPDES	Monthly	01/01/2020 - 01/31/2020	03/01/2020	Submitted	02/25/2020		No	Download Report	
2290450	February 2020	MONNPDES	Monthly	02/01/2020 - 02/29/2020	04/01/2020	Submitted	03/23/2020		No	Download Report	
2290451	March 2020	MONNPDES	Monthly	03/01/2020 - 03/31/2020	05/01/2020	Submitted	04/20/2020		No	Download Report	
2303083	April 2020	MONNPDES	Monthly	04/01/2020 - 04/30/2020	06/01/2020	Submitted	05/19/2020		No	Download Report	

Export to Excel Show: 100 Previous 1-11 of 11 Next

#	Sample	Analysis	Matrix	Analyte	Units	MDL	MRL	Rep Limit	Result
1	Tank Effluent Monthly	Ammonia as N	Water	Ammonia as N	mg/L	0.1	0.2	0.2	8.2
1	Tank Effluent Monthly	CV BOD	Water	Biochemical Oxygen Demand	mg/L	2	2	2	2.1
1	Tank Effluent Monthly	CV Coliform, Total 15 WW	Water	Total Coliforms	MPN/100mL	1.8	1.8	1.8	<1.8
1	Tank Effluent Monthly	CV Solids, TDS-SM2540C	Water	Total Dissolved Solids	mg/L	5	10	10	97
1	Tank Effluent Monthly	CV Solids, TSS-SM2540D	Water	Total Suspended Solids	mg/L	1	1	1	13
1	Tank Effluent Monthly	NO3+NO2 as N SM4500	Water	Nitrate + Nitrite as N	mg/L	0.04	0.2	0.2	0.4
1	Tank Effluent Monthly	TKN SM4500	Water	Total Kjeldahl Nitrogen	mg/L	0.2	1	1	11

#	Sample	Analysis	Matrix	Analyte	Units	MDL	MRL	Rep Limit	Result
1	EFF-001	Al Tot ICP/MS 200.8	Water	Aluminum	ug/L	5	10	5	240
1	EFF-001	Ammonia as N	Water	Ammonia as N	mg/L	0.1	0.2	0.1	6.1
1	EFF-001	Ca Total ICP 200.7	Water	Calcium	ug/L	80	1000	80	5400
1	EFF-001	Cu Tot ICP/MS 200.8	Water	Copper	ug/L	0.4	0.5	0.4	3.7
1	EFF-001	CV BOD	Water	Biochemical Oxygen Demand	mg/L	2	2	2	2.1
1	EFF-001	CV Nitrate as N 300.0	Water	Nitrate as N	mg/L	0.04	0.2	0.04	0.41
1	EFF-001	CV Nitrite as N 300.0	Water	Nitrite as N	mg/L	0.05	0.2	0.05	<0.050
1	EFF-001	CV NO2+NO3 as N Calc	Water	Nitrate + Nitrite as N	mg/L	0.06	0.4	0.06	0.41
1	EFF-001	CV Solids, TSS-SM2540D	Water	Total Suspended Solids	mg/L	1	1	1	7.2
1	EFF-001	Fe Tot ICP/MS 200.8	Water	Iron	ug/L	40	200	40	900
1	EFF-001	Hardness Calc SM2340B	Water	Hardness, Total	mg/L	1	5	1	18
1	EFF-001	Mg Total ICP 200.7	Water	Magnesium	ug/L	30	1000	30	1100
1	EFF-001	Mn Tot ICP/MS 200.8	Water	Manganese	ug/L	2	5	2	140
1	EFF-001	Pb Tot ICP/MS 200.8	Water	Lead	ug/L	0.06	0.25	0.06	0.27



## Central Valley Regional Water Quality Control Board

9 April 2020

Jeff Gouveia  
General Manager  
Bear Valley Water District  
P.O. Box 5027  
Bear Valley, CA 95223

**Via Email Only:**

[jeff.gouveia@bvwd.ca.gov](mailto:jeff.gouveia@bvwd.ca.gov)

### ***SELF-MONITORING REPORT REVIEW, BEAR VALLEY WATER DISTRICT, BEAR VALLEY WASTEWATER TREATMENT FACILITY, ALPINE COUNTY***

The Bear Valley Water District (Discharger) discharges treated wastewater from the Bear Valley Wastewater Treatment Facility (Facility), which is regulated under surface water discharge permit Waste Discharge Requirements (WDRs) Order R5-2016-0045-01 (NPDES CA0085146) (Surface Water WDRs) and land discharge Waste Discharge Requirements Order 5-01-208 (Land Discharge WDRs). The Monitoring and Reporting Programs (MRPs) of both WDRs require monitoring for constituents and other parameters and specifies the location and frequency of monitoring. Central Valley Regional Water Quality Control Board (Central Valley Water Board) has reviewed the electronic self-monitoring reports (eSMRs) for the Surface Water WDRs submitted by the Discharger for the **September 2019 through January 2020, and Annual 2019** monitoring periods.

No discharge to surface water occurred during the period reviewed under cover of this letter, and no violations of the Surface Water WDRs or MRP were identified from review of the eSMRs.

#### **Submittals Required by Surface Water WDRs**

The following reports were required by WDRs R5-2016-0045-01 during the period reviewed under cover of this letter, as shown in Table A. The next report required is *2020 Annual Operations Report*, which is due 30 January 2020.

**Table A. Submittals Required by WDRs**

Report	Due Date	Date Submitted
2019 Annual Operations Report	1/30/2020	1/24/2020



Jeff Gouveia  
Bear Valley WWTF

-2-

9 April 2020

If you have any questions, please contact me at (916) 464-1181 or by email at [mfarhad@waterboards.ca.gov](mailto:mfarhad@waterboards.ca.gov).



MOHAMMAD FARHAD  
Water Resource Control Engineer  
NPDES Compliance and Enforcement Unit

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## Central Valley Regional Water Quality Control Board

18 June 2020

Jeff Gouveia  
General Manager  
Bear Valley Water District  
P.O. Box 5027  
Bear Valley, CA 95223

Via email Only:  
[jeff.gouveia@bvwd.ca.gov](mailto:jeff.gouveia@bvwd.ca.gov)

### ***SELF-MONITORING REPORT REVIEW, BEAR VALLEY WATER DISTRICT, BEAR VALLEY WASTEWATER TREATMENT FACILITY, ALPINE COUNTY***

The Bear Valley Water District (Discharger) discharges treated wastewater from the Bear Valley Wastewater Treatment Facility (Facility), which is regulated under surface water discharge permit Waste Discharge Requirements (Surface Water WDRs) Order R5-2016-0045-01 (NPDES CA0085146) and land discharge Waste Discharge Requirements Order 5-01-208 (Land Discharge WDRs). The Monitoring and Reporting Programs (MRPs) of both WDRs require monitoring for constituents and other parameters and specifies the location and frequency of monitoring. Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff has reviewed the electronic self-monitoring reports (eSMRs) required by the WDRs R5-2016-0045-01 submitted by the Discharger for the **February 2020** through **April 2020** monitoring periods.

No discharge to surface water occurred during the period reviewed under cover of this letter, and no violations of the WDRs or MRP were identified from review of the eSMRs.

If you have any questions, please contact me at (916) 464-1181 or by email at [mfarhad@waterboards.ca.gov](mailto:mfarhad@waterboards.ca.gov).



MOHAMMAD FARHAD  
Water Resource Control Engineer  
NPDES Compliance and Enforcement Unit

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## Central Valley Regional Water Quality Control Board

28 April 2020

Jeff Gouveia,  
General Manager  
Bear Valley Water District  
P.O. Box 5027  
Bear Valley, CA 95223

via email:  
gmbearvalleywater@sbcglobal.net

### **REPORT OF WASTE DISCHARGE REMINDER FOR RENEWAL OF NPDES PERMIT CA0085146 AND APPROVAL OF UPDATED MIXING ZONE/DILUTION STUDY REPORT, BEAR VALLEY WATER DISTRICT, BEAR VALLEY WASTEWATER TREATMENT FACILITY, ALPINE COUNTY.**

The Bear Valley Water District (Discharger) Bear Valley Wastewater Treatment Facility (Facility) is regulated pursuant to Waste Discharge Requirements Order R5-2016-0045-02 (NPDES CA0085146), adopted by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) on 24 June 2016. The NPDES permit expires on 31 July 2021. This letter is provided as a courtesy to remind the Discharger that a complete Report of Waste Discharge (ROWD) is due by 1 February 2021 to renew the NPDES permit.

In addition, this letter provides Central Valley Water Board staff's review of the Updated Mixing Zone/Dilution Study Report (Mixing Zone Study) required by Waste Discharge Requirements Order R5-2016-0045-02 in Section VI.C.2.b. Based on our review, the 19 September 2017 Mixing Zone Study submitted by the Discharger fully meets the requirements of Order R5-2016-0045-02.

### **Report of Waste Discharge (ROWD)**

Copies of required State and USEPA forms that must be provided as part of the ROWD are available at the Central Valley Water Board office and on the internet at the following locations:

- [State Water Resources Control Board Form 200](https://www.waterboards.ca.gov/santaana/publications_forms/docs/form200.pdf),  
[https://www.waterboards.ca.gov/santaana/publications\\_forms/docs/form200.pdf](https://www.waterboards.ca.gov/santaana/publications_forms/docs/form200.pdf)
- [USEPA Form 1](http://www.epa.gov/sites/production/files/2019-05/documents/form_1_epa_form_3510-1.pdf),  
[www.epa.gov/sites/production/files/2019-05/documents/form\\_1\\_epa\\_form\\_3510-1.pdf](http://www.epa.gov/sites/production/files/2019-05/documents/form_1_epa_form_3510-1.pdf)
- [USEPA Form 2A](http://www.epa.gov/sites/production/files/2019-10/documents/form_2a_epa_form_3510-2ar.pdf),  
[www.epa.gov/sites/production/files/2019-10/documents/form\\_2a\\_epa\\_form\\_3510-2ar.pdf](http://www.epa.gov/sites/production/files/2019-10/documents/form_2a_epa_form_3510-2ar.pdf)



- [USEPA, Form 2S.](#)

[www.epa.gov/sites/production/files/2019-08/documents/form\\_2s\\_epa\\_form\\_3510-2s.pdf](http://www.epa.gov/sites/production/files/2019-08/documents/form_2s_epa_form_3510-2s.pdf)

A Reasonable Potential Analysis (RPA) is used to determine if the discharge has the reasonable potential to cause, or contribute to, an excursion above any water quality objective in the receiving water. The RPA is conducted using effluent and receiving water data collected over the last three years. Effluent and receiving water testing data will include all parameters listed in the current NPDES permit's Monitoring and Reporting Program and any additional information regarding the discharge that the Discharger may feel is relevant.

If any other data has not previously been submitted to the California Integrated Water Quality System (CIWQS) database that you would like us to consider for the upcoming permit renewal, please provide the data in an electronic format with the ROWD. The data should be tabulated and presented in a clear manner so Central Valley Water Board staff are able to readily determine dates, maximum daily and average daily concentrations, average monthly concentrations, mass (if applicable), number of samples, analytical methods, method detection limits, and reporting levels. Any data submitted with the ROWD or through CIWQS which the Discharger believes is not representative of the discharge should be noted. Please include supporting documentation (e.g. Quality Assurance/Quality Control data, method acceptability criteria, abnormal sampling conditions, etc.) which demonstrates data is not representative so Board staff may be able to make an appropriate determination.

### **Central Valley Water Board Staff Preliminary Comments**

Central Valley Water Board staff has completed a case file review and an initial review of electronic monitoring data available in CIWQS for the Facility in preparation of the upcoming NPDES permit renewal. The following is a summary of the preliminary RPA and other pertinent information for the subject permit renewal. To facilitate the timely adoption of the renewed NPDES permit, Board staff is providing the following comments related to the NPDES permit renewal at this time.

### **Preliminary Reasonable Potential Analysis**

Based on Central Valley Water Board staff's preliminary RPA, the discharge demonstrates reasonable potential to cause or contribute to an exceedance of the applicable water quality objectives in the receiving water for:

- ammonia,
- pathogens (total coliform organisms),
- pH (see discussion below),
- nitrate plus nitrite,
- copper,
- lead,

- chlorine residual and
- acute toxicity.

Water quality-based effluent limitations may be included in the proposed permit renewal for these parameters. A complete review and analysis of all relevant monitoring data will be conducted upon receipt of the ROWD. For your reference, Central Valley Water Board permitting staff will provide a spreadsheet via email which contains the preliminary RPA, including the effluent and receiving water monitoring data retrieved from CIWQS that has been used for this evaluation.

### **More Stringent Effluent Limitations for pH**

Order R5-2016-0045-02 includes technology-based effluent limitations for pH of 6.0-9.0 because at the time the Order was adopted there was insufficient information to conduct the reasonable potential analysis. Based on the Updated Mixing Zone/Dilution Study Report submitted by the Discharger it appears that the buffering of the effluent may result in the pH of the effluent causing the discharge to have reasonable potential to cause or contribute to an exceedance of the Basin Plan objectives for pH. Therefore, the renewed permit may include new, more stringent water quality-based effluent limits for pH of 6.5-8.5. The ROWD should discuss how the Discharger intends to comply with these more stringent effluent limits and/or provide information justifying the continuation of the technology-based effluent limitations.

### **Sufficiently Sensitive Method Rule (SSM Rule)**

Federal regulations mandate that parameters shall be analyzed using sufficiently sensitive analytical methods and Reporting Levels per the SSM Rule specified in 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv). The purpose of this rulemaking is to clarify that NPDES permittees must use EPA-approved analytical methods that are capable of detecting and measuring the parameters at, or below, the applicable water quality objective and permit limits. The spreadsheet containing the preliminary RPA, discussed above, identifies the applicable water quality objective for each parameter and highlights parameters where lower Reporting Levels may be necessary to comply with the SSM Rule for the next permit renewal. This information may be useful in the event you need to update your analytical laboratory contracts.

### **Salt and Nitrate Control Programs (CV-SALTS)**

The Central Valley Water Board adopted Resolution [R5-2018-0034](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/resolutions/r5-2018-0034_res.pdf) ([https://www.waterboards.ca.gov/centralvalley/board\\_decisions/adopted\\_orders/resolutions/r5-2018-0034\\_res.pdf](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/resolutions/r5-2018-0034_res.pdf)), on 31 May 2018, amending the Water Quality Control Plans for the Sacramento River and San Joaquin River Basins and the Tulare Lake Basin (Basin Plans). The amendments to the Basin Plans establish a prioritized Nitrate Control Program for discharges to groundwater and a phased Salt Control Program for discharges to surface water and groundwater. The amendments to the Basin Plans are anticipated to be fully approved in 2020, after which, the Central Valley Water Board intends to send Notices to Comply to NPDES Dischargers.



If you have any questions regarding the ROWD submittal or would like to meet to discuss Central Valley Water Board staff's preliminary concerns outlined in this letter, please contact Saranya Elankovan at (916) 464-4742 or [saranya.elankovan@waterboards.ca.gov](mailto:saranya.elankovan@waterboards.ca.gov).

**James Marshall**

Digitally signed by James  
Marshall  
Date: 2020.04.28 12:25:28 -07'00'

James Marshall, P.E.  
Supervising Engineer

Parameter	CTR	CAS	Units	DNQ	MIN EFF	MEC	DNQ	MIN RW	B	C	Criteria Reference	Reasonable Potential	Comments
Iron, Total Recoverable	--	7439-89-6	ug/L		200	5100		80		300	California Secondary MCL	Yes	
Manganese, Total Recoverable	--	7439-96-5	ug/L		52	520		16		50	California Secondary MCL	Yes	
1,2,3-Trichloropropane (TCP)	62	96-18-4	ug/L		No Data	No Data		No Data	No Data	0.005	California Primary MCL	Inconclusive	Effluent data required.
Benzol(b)Fluoranthene	87	205-99-2	ug/L		No Data	No Data		No Data	No Data	1300	CTR Human Health	Inconclusive	Effluent data required.
Fluorene	--	86-73-7	ug/L		No Data	No Data		No Data	No Data	0.1	Site-Specific Objective	Inconclusive	Effluent data required.
Freely Dissolved Bifenthrin	--	82657-04-3	ng/L		No Data	No Data		No Data	No Data	0.2	Site-Specific Objective	Inconclusive	Effluent data required.
Freely Dissolved Cyfluthrin	--	68359-37-9	ng/L		No Data	No Data		No Data	No Data	0.3	Site-Specific Objective	Inconclusive	Effluent data required.
Freely Dissolved Cypermethrin	--	52315-07-8	ng/L		No Data	No Data		No Data	No Data	0.3	Site-Specific Objective	Inconclusive	Effluent data required.
Freely Dissolved Esfenvalerate	--	51630-58-3	ng/L		No Data	No Data		No Data	No Data	0.3	Site-Specific Objective	Inconclusive	Effluent data required.
Freely Dissolved Lambda cyhalothrin	--	91465-08-6	ng/L		No Data	No Data		No Data	No Data	1	Site-Specific Objective	Inconclusive	Effluent data required.
Freely Dissolved Permethrin	--	52645-53-3	mg/L		No Data	No Data		No Data	No Data	2	California Secondary MCL	Inconclusive	Effluent data required.
Sulfate	--	14808-79-8	mg/L		No Data	No Data		No Data	No Data	30	WQC Freshwater Aquatic L	Inconclusive	Effluent data required.
Total Cypermethrin	--	52315-07-8	ng/L		No Data	No Data		No Data	No Data				
Total Permethrin	--	52645-53-3	ng/L		No Data	No Data		No Data	No Data				
1,1,1-Trichloroethane	41	71-55-6	ug/L		<	0.19	<	0.19	<	0.19	200	California Primary MCL	No
1,1,1,2-Tetrachloroethane	37	79-34-5	ug/L		<	0.15	<	0.15	<	0.15	0.17	CTR Human Health	No
1,1,2-Trichloro-1,2,2-Trifluoroethane	--	76-13-1	ug/L		<	0.35	<	0.35	<	0.35	1200	California Primary MCL	No
1,1,2-Trichloroethane	42	79-00-5	ug/L		<	0.16	<	0.16	<	0.16	0.6	CTR Human Health	No
1,1-Dichloroethane	28	75-34-3	ug/L		<	0.19	<	0.19	<	0.19	5	California Primary MCL	No
1,1-Dichloroethylene (DCE)	30	75-35-4	ug/L		<	0.21	<	0.21	<	0.21	0.057	CTR Human Health	No
1,2,4-Trichlorobenzene	101	120-82-1	ug/L		<	0.25	<	0.25	<	0.25	5	California Primary MCL	No
1,2-Dibromo-3-chloropropane (DBCP)	--	96-12-8	ug/L		<	0.0084	<	0.0084	<	0.0084	0.2	California Primary MCL	No
1,2-Dichlorobenzene	75	95-50-1	ug/L		<	0.27	<	0.27	<	0.27	600	California Primary MCL	No
1,2-Dichloroethane	29	107-06-2	ug/L		<	0.18	<	0.18	<	0.18	0.38	CTR Human Health	No

All ambient data is NO and MDL>C. Int



Stantec Consulting Services Inc.  
3875 Atherton Road, Rocklin CA 95765-3716

March 18, 2020

**Attention:** Jeff Gouveia, General Manager  
Bear Valley Water District  
441 Creekside Drive, P.O Box 5027  
Bear Valley, CA 95223

Dear Jeff,

**Reference: Proposal for NPDES Permit Renewal Services**

The Bear Valley Water District (District) has a National Pollutant Discharge Elimination System (NPDES) permit (Order No. R5-2016-0045-02 as amended by Order No. R5-2017-0041 and Order No. R5-2019-0078) adopted by the Central Valley Regional Water Quality Control Board (Regional Board) for their Wastewater Treatment Facility's (WWTF's) discharge into Bloods Creek. The District's NPDES permit expires on July 31, 2021 and the District must file a Report of Waste Discharge (ROWD) by February 1, 2021. In response to the District's request for permitting assistance, we are pleased to offer this proposal to provide assistance during the District's NPDES permit renewal process. Tasks to be implemented by Stantec and the estimated budget are summarized in the following Scope of Services. This Scope deals with renewing Order R5-2016-0045-02 and does not address the renewal of the District's land permit. Stantec understands that the District will perform much of the work for the ROWD themselves.

**Task 1. Salinity Evaluation and Minimization Plan**

With their ROWD submittal, the District must also submit a summary of the effectiveness of their Salinity Evaluation and Minimization Plan. Stantec will review the District's current Salinity Evaluation and Minimization Plan and analyze the District's water quality data. Additionally, the District will receive a Notice to Comply (NTC) with new salinity requirements from the Regional Board as a result of the CV-SALTS initiative completed in 2019. Stantec will review the NTC and assess whether any changes to the current Salinity Evaluation and Minimization Plan are necessary for compliance. Stantec will prepare a draft summary of the findings for District comments. Stantec will prepare a final report incorporating the District's comments for submittal to the Regional Board.

Estimated Budget: \$4,000

**Task 2. Antidegradation Analysis**

Currently, the District is only permitted to discharge to Bloods Creek from January 1 to June 31 under "emergency" conditions. The District desires to remove the "emergency" language from the forthcoming new Order and extend the permitted seasonal discharge through July. For the Regional Board to consider the change, the District must submit an antidegradation analysis demonstrating compliance with state and federal antidegradation requirements. Stantec will perform the antidegradation analysis and prepare a draft report for the District's comments. Stantec will prepare a final report incorporating the District's comments for submittal to the Regional Board.

Estimated Budget: \$8,000



Reference: Proposal for NPDES Permit Renewal Services

### Task 3. Project Facilitation and Management

Stantec will provide project facilitation and management to oversee the project's progress and complete tasks such as discussing permitting issues as they arise with the Regional Board and/or District, scheduling updates, billing, report coordination, etc. Stantec's Project Manager will manage the scope and budget for the project through cost control and reporting system.

Estimated Budget: \$3,000

### Task 4. As-Needed Permitting Services

Stantec will provide additional services related to renewal of the District's Order as requested by the District. These services will be provided on a time and materials basis in an amount not to exceed the estimated budget for this task. It is anticipated that the District will receive a letter from the Regional Board detailing the results of the Regional Board's mid-permit review and items to consider when submitting the ROWD. As-needed services may include (but are not limited to) assisting with the following items:

- Completing the ROWD,
- Addressing any items detailed in the mid-permit review letter from the Regional Board,
- Meeting with the Regional Board to discuss the mid-permit review letter (if recommended by the Regional Board),
- Complying with the NTC with salinity requirements if additional services are needed, and
- Addressing any changes to the dilution/mixing zone (if recommended by the Regional Board).

Budget allocated for Task 4 will be utilized upon receiving authorization from the District.

Estimated Budget: \$10,000

### Task 5. Contingency

An estimate of contingency funds potentially needed for a project of this nature has been included for the District's consideration. Since it is not known what issues the Regional Board and/or District might have with the renewed Order at this time, this contingency estimated budget is included for any unforeseen circumstances. None of the Task 5 budget will be used without advanced written authorization from the District.

Estimated Budget: \$5,000

Reference: Proposal for NPDES Permit Renewal Services

## Summary/Schedule

Stantec proposes to complete the tasks described in this proposal on a time and materials basis following the rate schedule (included in Attachment A) in an amount not to exceed \$30,000 (including the contingency budget). Subject to final review and execution by Stantec and Bear Valley Water District, the attached Standard Terms and Conditions will govern the scope of work summarized herein (see Attachment B).

Stantec proposes to complete Task 1 and Task 2 by June 30, 2020. This will allow time to identify any additional tasks to be completed, or additional information that should be summarized for inclusion with the final ROWD, which is due to be submitted to the Regional Water Board by February 1, 2021.

Regards,

**Stantec Consulting Services Inc.**



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**Vijay Sundaram, PhD, PE**  
Regional Practice Leader- Wastewater  
Phone: (916) 773-8100  
vijay.sundaram@stantec.com

## SCHEDULE OF BILLING RATES – 2020

Billing Level	Hourly Rate	Description
3	\$108	<b>Junior Level position</b> <input type="checkbox"/> Independently carries out assignments of limited scope using standard procedures, methods and techniques <input type="checkbox"/> Assists senior staff in carrying out more advanced procedures <input type="checkbox"/> Completed work is reviewed for feasibility and soundness of judgment <input type="checkbox"/> Graduate from an appropriate post-secondary program or equivalent <input type="checkbox"/> Generally, one to three years' experience
4	\$113	
5	\$128	
6	\$132	<b>Fully Qualified Professional Position</b> <input type="checkbox"/> Carries out assignments requiring general familiarity within a broad field of the respective profession <input type="checkbox"/> Makes decisions by using a combination of standard methods and techniques <input type="checkbox"/> Actively participates in planning to ensure the achievement of objectives <input type="checkbox"/> Works independently to interpret information and resolve difficulties <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, three to six years' experience
7	\$143	
8	\$149	
9	\$159	<b>First Level Supervisor or first complete Level of Specialization</b> <input type="checkbox"/> Provides applied professional knowledge and initiative in planning and coordinating work programs <input type="checkbox"/> Adapts established guidelines as necessary to address unusual issues <input type="checkbox"/> Decisions accepted as technically accurate, however may on occasion be reviewed for soundness of judgment <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, five to nine years' experience
10	\$165	
11	\$176	
12	\$185	<b>Highly Specialized Technical Professional or Supervisor of groups of professionals</b> <input type="checkbox"/> Provides multi-discipline knowledge to deliver innovative solutions in related field of expertise <input type="checkbox"/> Participates in short and long range planning to ensure the achievement of objectives <input type="checkbox"/> Makes responsible decisions on all matters, including policy recommendations, work methods, and financial controls associated with large expenditures <input type="checkbox"/> Reviews and evaluates technical work <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, ten to fifteen years' experience with extensive, broad experience
13	\$193	
14	\$209	
15	\$219	<b>Senior Level Consultant or Management</b> <input type="checkbox"/> Recognized as an authority in a specific field with qualifications of significant value <input type="checkbox"/> Provides multi-discipline knowledge to deliver innovative solutions in related field of expertise <input type="checkbox"/> Independently conceives programs and problems for investigation <input type="checkbox"/> Participates in discussions to ensure the achievement of program and/or project objectives <input type="checkbox"/> Makes responsible decisions on expenditures, including large sums or implementation of major programs and/or projects <input type="checkbox"/> Graduate from an appropriate post-secondary program, with credentials or equivalent <input type="checkbox"/> Generally, more than twelve years' experience with extensive experience
16	\$234	
17	\$242	



The following Terms and Conditions are attached to and form part of a proposal for services to be performed by Consultant and together, when the Client authorizes Consultant to proceed with the services, constitute the Agreement. Consultant means the Stantec entity issuing the Proposal.

**DESCRIPTION OF WORK:** Consultant shall render the services described in the Proposal (hereinafter called the "Services") to the Client.

**DESCRIPTION OF CLIENT:** The Client confirms and agrees that the Client has authority to enter into this Agreement on its own behalf and on behalf of all parties related to the Client who may have an interest in the Project.

**TERMS AND CONDITIONS:** No terms, conditions, understandings, or agreements purporting to modify or vary these Terms and Conditions shall be binding unless hereafter made in writing and signed by the Client and Consultant. In the event of any conflict between the Proposal and these Terms and Conditions, these Terms and Conditions shall take precedence. This Agreement supercedes all previous agreements, arrangements or understandings between the parties whether written or oral in connection with or incidental to the Project.

**COMPENSATION:** Payment is due to Consultant upon receipt of invoice. Failure to make any payment when due is a material breach of this Agreement and will entitle Consultant, at its option, to suspend or terminate this Agreement and the provision of the Services. Interest will accrue on accounts overdue by 30 days at the lesser of 1.5 percent per month (18 percent per annum) or the maximum legal rate of interest. Unless otherwise noted, the fees in this agreement do not include any value added, sales, or other taxes that may be applied by Government on fees for services. Such taxes will be added to all invoices as required.

**NOTICES:** Each party shall designate a representative who is authorized to act on behalf of that party. All notices, consents, and approvals required to be given hereunder shall be in writing and shall be given to the representatives of each party.

**TERMINATION:** Either party may terminate the Agreement without cause upon thirty (30) days notice in writing. If either party breaches the Agreement and fails to remedy such breach within seven (7) days of notice to do so by the non-defaulting party, the non-defaulting party may immediately terminate the Agreement. Non-payment by the Client of Consultant's invoices within 30 days of Consultant rendering same is agreed to constitute a material breach and, upon written notice as prescribed above, the duties, obligations and responsibilities of Consultant are terminated. On termination by either party, the Client shall forthwith pay Consultant all fees and charges for the Services provided to the effective date of termination.

**ENVIRONMENTAL:** Except as specifically described in this Agreement, Consultant's field investigation, laboratory testing and engineering recommendations will not address or evaluate pollution of soil or pollution of groundwater.

**PROFESSIONAL RESPONSIBILITY:** In performing the Services, Consultant will provide and exercise the standard of care, skill and diligence required by customarily accepted professional practices normally provided in the performance of the Services at the time and the location in which the Services were performed.

**INDEMNITY:** The Client releases Consultant from any liability and agrees to defend, indemnify and hold Consultant harmless from any and all claims, damages, losses, and/or expenses, direct and indirect, or consequential damages, including but not limited to attorney's fees and charges and court and arbitration costs, arising out of, or claimed to arise out of, the performance of the Services, excepting liability arising from the sole negligence of Consultant.

**LIMITATION OF LIABILITY:** It is agreed that the total amount of all claims the Client may have against Consultant under this Agreement, including but not limited to claims for negligence, negligent misrepresentation and/or breach of contract, shall be strictly limited to the lesser of professional fees paid to Consultant for the Services or \$50,000.00. No claim may be brought against Consultant more than two (2) years after the cause of action arose. As the Client's sole and exclusive remedy under this Agreement any claim, demand or suit shall be directed and/or asserted only against Consultant and not against any of Consultant's employees, officers or directors.

Consultant's liability with respect to any claims arising out of this Agreement shall be absolutely limited to direct damages arising out of the Services and Consultant shall bear no liability whatsoever for any consequential loss, injury or damage incurred by the Client, including but not limited to claims for loss of use, loss of profits and/or loss of markets.

Liability of Consultant shall be further limited to such sum as it would be just and equitable for Consultant to pay having regard to the extent of its responsibility for the loss or damage suffered and on the assumptions that all other consultants and all contractors and sub-contractors shall have provided contractual undertakings on terms no less onerous than those set out in this Agreement to the Client in respect of the carrying out of their obligations and have paid to the Client such proportion of the loss and damage which it would be just and equitable for them to pay having regard to the extent of their responsibility.

**DOCUMENTS:** All of the documents prepared by or on behalf of Consultant in connection with the Project are instruments of service for the execution of the Project. Consultant retains the property and copyright in these documents, whether the Project is executed or not. These documents may not be used for any other purpose without the prior written consent of Consultant. In the event Consultant's documents are subsequently reused or modified in any material respect without the prior consent of Consultant, the Client agrees to defend, hold harmless and indemnify Consultant from any claims advanced on account of said reuse or modification.

Any document produced by Consultant in relation to the Services is intended for the sole use of Client. The documents may not be relied upon by any other party without the express written consent of Consultant, which may be withheld at Consultant's discretion. Any such consent will provide no greater rights to the third party than those held by the Client under the contract, and will only be authorized pursuant to the conditions of Consultant's standard form reliance letter.

Consultant cannot guarantee the authenticity, integrity or completeness of data files supplied in electronic format ("Electronic Files"). Client shall release, indemnify and hold Consultant, its officers, employees, Consultant's and agents harmless from any claims or damages arising from the use of Electronic Files. Electronic files will not contain stamps or seals, remain the property of Consultant, are not to be



used for any purpose other than that for which they were transmitted, and are not to be retransmitted to a third party without Consultant's written consent.

**FIELD SERVICES:** Consultant shall not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with work on the Project, and shall not be responsible for any contractor's failure to carry out the work in accordance with the contract documents. Consultant shall not be responsible for the acts or omissions of any contractor, subcontractor, any of their agents or employees, or any other persons performing any of the work in connection with the Project. Consultant shall not be the prime contractor or similar under any occupational health and safety legislation.

**GOVERNING LAW/COMPLIANCE WITH LAWS:** The Agreement shall be governed, construed and enforced in accordance with the laws of the jurisdiction in which the majority of the Services are performed. Consultant shall observe and comply with all applicable laws, continue to provide equal employment opportunity to all qualified persons, and to recruit, hire, train, promote and compensate persons in all jobs without regard to race, color, religion, sex, age, disability or national origin or any other basis prohibited by applicable laws.

**DISPUTE RESOLUTION:** If requested in writing by either the Client or Consultant, the Client and Consultant shall attempt to resolve any dispute between them arising out of or in connection with this Agreement by entering into structured non-binding negotiations with the assistance of a mediator on a without prejudice basis. The mediator shall be appointed by agreement of the parties. The Parties agree that any actions under this Agreement will be brought in the appropriate court in the jurisdiction of the Governing Law, or elsewhere by mutual agreement. Nothing herein however prevents Consultant from any exercising statutory lien rights or remedies in accordance with legislation where the project site is located.

**ASSIGNMENT:** The Client shall not, without the prior written consent of Consultant, assign the benefit or in any way transfer the obligations under these Terms and Conditions or any part hereof.

**SEVERABILITY:** If any term, condition or covenant of the Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions of the Agreement shall be binding on the Client and Consultant.

**CONTRA PROFERENTEM:** The parties agree that in the event this Agreement is subject to interpretation or construction by a third party, such third party shall not construe this Agreement or any part of it against either party as the drafter of this Agreement.

**CLIENT:** Jeff Gouveia, General Manager  
Print Name and Title

Signature

**STANTEC:** Vijay Sundaram, Senior Principal  
Print Name and Title

Signature

# BEAR VALLEY WATER DISTRICT

## MEMORANDUM

**TO** Jeff Gouveia, District Manager

**FROM** Gary S. Ghio, P.E.

**RE** 1 In 100 Year Water Balance – 2020 Update

**DATE** May 21, 2020

Jeff, as requested, I have updated the District's 1 in 100 year water balance as well as calculations of District capacity based upon precipitation levels experienced since water year 2015/2016 to the present water year.

Table 1 below presents a summary of data from the Bloods Creek gauging station for Maximum Total Precipitation and Maximum Snow Water Content for this time period as well as the Department of Water Resources (DWR) 1 in 100 year levels and what was experienced in water year 2010/2011 (basis of previous 1 in 100 year water balance).

**TABLE 1**

<b>Water Year</b>	<b>Total Precipitation (Inches)</b>	<b>Maximum Snow Water Content (Inches)</b>
1 in 100	83	60
2010/2011	84.73	60.82
2015/2016	62.94	33.72
2016/2017	98.36	45.84
2017/2018	44.38	13.00
2018/2019	48.73	39.94
2019/2020 (to date)	25.32	23.24

As the can be seen from Table 1, the winter of 2016/2017 once again exceeded the total precipitation criteria for 1 in 100 year storm season. Due to this, the District proceeded with its first ever successful discharge to Bloods Creek; and in addition, obtained valid creek flow data for Bloods Creek for the entire January through June potential discharge period.

## **2020 WATER BALANCE UPDATE**

Table 2 below presents a comparison of the total precipitation and snow water content projected in the 1 in 100-year water balances as well as what occurred during the 2010/2011 and the 2016/2017 precipitation seasons.

**TABLE 2**

	<b>1 IN 100</b>	<b>2010/2011</b>	<b>2016/2017</b>
Total Precipitation (In Inches)	83.00	84.73	98.36
Snow Water Content (In Inches)	60.00	60.82	45.84

As can be seen by the above comparisons of total precipitation and snow water content for 2010/2011 and 2016/2017, both storm seasons exceeded the 1 in 100 total precipitation level, but total precipitation was significantly higher and the snow water content was significantly lower in 2016/2017 as compared to 2010/2011.

Attached to this memorandum is the 2020 Update of the 2016/2017 water balance with actual flows/precipitation which was calibrated based upon actual storage levels encountered for November 2016 through October 2017 and the resulting 1 in 100 year water balance (see Tables 6 and 7).

As can be seen by the actual precipitation water balance, the estimated storage, predicted by the spreadsheet, tracks very closely with actual storage experienced during this time period which provides verification of the accuracy of the water balances.

As in previous water balances, the 1 in 100 year water balance was performed with updated 90<sup>th</sup> percentile collection system flows for the time period 2000 thru 2019. Based upon this balance, the District would need to discharge approximated 82 MG of wastewater to ensure the polishing pond did not overflow which is less than the actual 92 MG which was discharged in 2016/2017 as the water year exceeded the 100 year levels.

### **Bloods Creek Flows and Assimilative Capacity**

The capacity of the District to serve additional customers is driven by the assimilative capacity of Bloods Creek flows due to the method of wastewater disposal by stream discharge in accordance with the District's NPDES permit. The following Tables 3 and 4 present summaries of Bloods Creek flows and assimilative capacity (20:1 dilution) for the potential months of discharge for both water years 2010/2011 and 2016/2017.



**TABLE 3**

<b>BLOODS CREEK TOTAL FLOW (MG)</b>						
<b>YEAR</b>	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>
<b>2010/2011</b>	---	---	232	736	1163	1705
<b>2016/2017</b>	589	806	520	911	1408	732

**TABLE 4**

<b>20:1 DILUTION BLOODS CREEK FLOWS (MG)</b>						
<b>YEAR</b>	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>
<b>2010/2011</b>	---	---	11.0	35.1	55.4	81.2
<b>2016/2017</b>	28.0	38.4	24.7	43.4	67.1	35.8

The following Table 5 presents the amounts of wastewater discharged in 2016/2017 along with remaining assimilative capacity.

**TABLE 5**

<b>2016/2017 WATER YEAR : EXCESS ASSIMILATIVE CAPACITY (MG)</b>							
	<b>JANUARY</b>	<b>FEBRUARY</b>	<b>MARCH</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>	<b>TOTAL</b>
<b>Discharge Amount</b>	0	0	15.8	29.9	29.7	16.9	
<b>Remaining Capacity</b>	28.0	38.4	8.9	13.5	37.4	18.9	145.1

As can be seen by Table 5 there was a total of approximately 145 MG of remaining assimilative capacity in Bloods Creek in water year 2016/2017 to support District growth and additional amounts of discharge.

### **District Capacity**

The Regional Water Quality Control Board criteria to perform 1 in 100 year projections is to utilize a historical DWR monitoring site in order to derive the 100 year monthly distribution of precipitation. As no DWR site currently exists near Bear Valley which has this data, the previous water balances and capacity determinations were based on the monthly distribution of precipitation that was experienced in 2010/2011 which was the last year of 1 in 100 year total precipitation exceedance at that time.



The 2016/2017 precipitation year also exceeded the 1 in 100 year total precipitation amount, but the pattern differed significantly from what was experienced in 2010/2011. The 2016/2017 1 in 100 year water balance projections which are attached to this memorandum (see Table 8 and Table 9) were performed utilizing both precipitation patterns reduced down to 1 in 100 year levels along with updated 90<sup>th</sup> percentile collection system flows for 2000 thru 2019. This analysis was performed to ensure the water balances' basis is the worst case precipitation level and pattern based upon available data.

In comparing Table 8 and Table 9, the 2016/2017 precipitation pattern would have been a worst year in terms of volume of discharge required (121.5 MG) as compared to 2010/2011 (114.8 MG) but not of such significance that it would alter the previous capacity determination in 2016 of an additional 1,196 EDUs. In addition, it is anticipated that sufficient assimilative capacity exists in Bloods Creek to support this level of discharge based upon the 145 MG of excess assimilative capacity in water year 2016/017.

Should you have any questions regarding any of the information contained in this memo please let me know.

#2318/nlm

Board Memo\_2020-05-21.docx

BEAR VALLEY WATER DISTRICT WASTEWATER TREATMENT AND DISPOSAL SYSTEM  
(2020 update) 2016/2017 Water Year - Actual Flows/Precipitation

(a) Estimated percolation based upon measured inflow components, estimated evaporation, and actual reservoir levels in 2011. In Storage Reservoir only.

(e) Estimated based on fraction of accumulated snow within reservoir "area of influence" entering the reservoir during snowmelt months.

(f) Estimated based on information of accumulated sludge within these walls. (g) Disposal capacity based on maximum estimated land disposal volumes.

(f) Disposal capacity based on maximum

(g) Per Brooks Creek Gauge  
(h) Not used in calculations

(iv) Not used in calculations

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BEAR VALLEY WATER DISTRICT WASTEWATER TREATMENT AND DISPOSAL SYSTEM

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(a) Estimated percolation based upon measured inflow components, estimated evaporation, and actual reservoir levels in 2011 - in Storage Reservoir only.

(e) Estimated based on fraction of accumulated snow within reservoir "area of influence" entering the reservoir during snowmelt months

(f) Disposal capacity based on maximum estimated land disposal volumes.

(g) Per Bloods Creek Gauging Station

(n) Not used in calculations

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TABLE 8

## NEAR VALLEY WATER DISTRICT WASTEWATER TREATMENT AND DISPOSAL SYSTEM

2020 update - 2010/2011 Precip. Pattern) 1 in 100 Year Water Balance Projection - 2000 thru 2019 90th Percentile monthly ADF plus 1196 EDU (201 gpd/EDU) - Assumes no infiltration with new EDUs

6/6/2020

9.26

INPUT DATA													
TREATMENT POND CHARACTERISTICS													
GROSS AREA (ac)	3.2	STORAGE RESERVOIR											
WATER SURFACE AREA (ac)	2.9	GROSS AREA (ac)											
		MAX. WATER SURFACE (ac)											
		STORAGE CAPACITY (MG)											
		FRAC. EST. PERC.											
		DISTRICT DISPOSAL LAND (AC)											
		SOIL WATER DEFICIT BEFORE IRRIGATION (IN)											
		FRACT OF LAND IRRIGATED											
		IRRIGATION EFFICIENCY (DECIMAL FRACT)											
		FRACTION OF EST. PERC RATE											
		CLIMATOLOGICAL FACTORS											
		OCT-APR EVAP/AVG EVAP. RATIO											
		MAY-SEP EVAP/AVG EVAP. RATIO											
		PAN COEFFICIENT											
		LAND PRECIP. COLLECTED (FRAC)											
PARAMETER / MONTH	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	ANNUAL
DAYS IN MONTH	30	31	31	28	31	30	31	30	31	31	30	31	365
AVG PAN EVAP (IN)	0.89	0.61	0.76	0.83	2.14	3.69	5.34	6.64	7.53	6.87	5.17	3.05	43.62
ESTIMATED PRECIP (IN)	10.66	20.00	2.84	10.52	21.42	3.37	4.65	1.57	1.66	0.00	1.86	4.35	83.00
ESTIMATED SNOW ACCUM (IN WATER)	7.82	23.83	26.08	36.04	53.71	41.62	22.88	0.00	0.00	0.00	0.00	2.96	60.00
ESTIMATED SNOW MELT IN MONTH (IN WATER)	0.00	0.00	0.36	0.12	0.71	13.40	21.11	22.88	0.00	0.00	0.00	1.42	60.00
ESTIMATED NEW SNOW IN MONTH (IN WATER)	7.82	16.01	2.61	10.08	16.27	1.30	2.37	0.00	0.00	0.00	0.00	1.53	60.00
ESTIMATED MAX PERCOLATION (IN)	10.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
# OF ADDITIONAL CONNECTIONS (RLU)	1,196	1,196	1,196	1,196	1,196	1,196	1,196	1,196	1,196	1,196	1,196	1,196	1,196
ADDITIONAL INFLUENT FLOW (GAL/D)	240,396	240,396	240,396	240,396	240,396	240,396	240,396	240,396	240,396	240,396	240,396	240,396	240,396
90TH PERCENTILE EXISTING FLOWS (AVG. GAL/D)	37,135	77,828	98,766	131,156	125,459	186,046	188,872	127,254	73,229	61,715	38,479	31,386	31,386
TOTAL INFLUENT FLOW (GAL/D)	277,531	316,224	336,162	371,552	365,855	426,442	429,268	367,650	313,625	302,111	276,875	271,782	271,782
CALCULATIONS													
WASTEWATER VOLUME (gal)	8,325,930	9,864,944	10,514,022	10,403,456	11,341,505	12,793,260	13,307,308	11,029,500	9,722,375	9,365,441	8,366,250	8,425,242	123,459,233
EVAPORATION (IN)	0.5	0.4	0.5	0.5	1.3	2.2	4.3	5.3	6.1	5.5	4.1	1.9	32.6
PRECIPITATION (IN)	10.66	20.00	2.84	10.62	21.42	3.37	4.65	1.57	1.66	0.00	1.86	4.35	83.00
PERCOLATION (IN)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PERC. VOLUME (gal)	0	0	0	0	0	0	0	0	0	0	0	0	0
W.S. AREA (ac)	6.20	9.38	11.22	11.76	12.28	12.56	11.13	10.91	10.36	10.13	8.53	3.36	8,905,014
EVAP. VOLUME (gal)	84,162	101,890	152,374	159,611	433,572	750,075	1,299,758	1,570,094	1,716,787	1,513,309	949,396	2,020,240	40,446,722
PRECIP. VOLUME (gal)	5,032,887	9,615,218	1,379,569	5,174,256	10,466,832	1,640,245	2,257,681	761,343	802,510	0	0	1,42	60.00
MONTHLY AVAL. SNOWMELT (IN)	0.00	0.00	0.35	0.12	0.71	13.40	21.11	22.88	0.00	0.00	0.00	1.42	60.00
ESTIMATED SNOW CONTR. (IN)	0%	0%	0%	0%	0%	0%	40%	26%	50%	50%	50%	50%	50%
ESTIMATED AREA OF INFLUENCE (ac)	0	0	0	0	0	0	50	50	50	50	50	50	50
ESTIMATED INFUX TO STORAGE (gal)	0	0	0	0	0	0	12,897,727	8,687,780	0	0	0	966,122	22,561,629
RESERVOIR DISPOSAL (GAIN) (gal)	4,946,726	9,513,358	1,227,215	5,014,645	10,033,260	899,170	13,855,650	7,888,429	(914,277)	(1,513,309)	(59,476)	2,812,946	53,706,336
IRRIGATION	0	0	0	0	0	0	0	0	0	0	0	0	0
IRRIGATION DISPOSAL (gal)	0	0	0	0	0	0	0	0	0	0	0	0	0
STORAGE	4,060,000	17,553,265	38,195,271	44,742,097	51,425,613	54,990,448	37,094,350	34,492,715	28,066,813	25,412,082	10,303,741	705,643	705,643
BEGINNING STORAGE (gal)	13,493,265	29,642,007	46,142,097	60,425,613	74,090,448	67,094,350	59,992,365	17,274,097	-2,654,731	-15,108,340	-9,996,098	-769,852	-769,852
CALCULATED STORAGE GAIN (gal)	17,553,265	38,195,271	44,742,097	51,425,613	54,990,448	37,094,350	34,492,715	28,066,813	25,412,082	10,303,741	705,643	0	0
PROJECTED ESTIMATED STORAGE (gal)	0	0	0	0	0	0	0	0	0	0	0	0	0
AMOUNT DISCHARGED TO BLOODS CREEK (gal)	17,553,265	38,195,271	44,742,097	51,425,613	54,990,448	37,094,350	34,492,715	28,066,813	25,412,082	10,303,741	705,643	0	0
ESTIMATED STORAGE (gal)	0	0	0	0	0	0	0	0	0	0	0	0	0
SUMMARY													
ANNUAL INFLOW (MG)	123.46	ANNUAL OUTFLOW POTENTIAL (MG)											
WASTEWATER	47.19	AMOUNT DISCHARGED TO BLOODS CREEK											
PRECIPITATION	22.58	EVAPORATION											
SNOW INFLUX (MG)	153.22	PERCOLATION											
		IRRIGATION											
		TOTAL											
		OVERALL BALANCE											
		UNUSED DISPOSAL CAPACITY (MG)											
		(MUST NOT BE NEGATIVE)											
		UNUSED STORAGE CAPACITY (MG)											
		(MUST NOT BE NEGATIVE)											
		MAXIMUM STORAGE (MG)											
		AVAILABLE STORAGE (MG)											
		54.99											
		76.43											
		0.06											
		21.44											

(a) Estimated percolation based upon measured inflow components, estimated evaporation, and actual reservoir levels in 2011 - in Storage Reservoir only.

(b) Reservoir water surface area is a function of storage volume at start of month.

(c) Estimated snowmelt volume available for inflow to storage reservoir.

(d) Estimated percentage of snowmelt contributing to inflow to reservoir.

(e) Estimated based on fraction of accumulated snow within reservoir "area of influence" entering the reservoir during snowmelt months.

(f) Disposal capacity based on maximum estimated land disposal volumes.

(g) Per Bloods Creek Gauging Station

(h) Not used in calculations

Table 8 (2020 update) 2010-2011 PRECIP. PATTERN 1in100waterbalance (90th percentile 2000-2011) plus 1196 rdu.xls

# DEAR VALLEY WATER DISTRICT WASTEWATER TREATMENT AND DISPOSAL SYSTEM

6/8/2020

926

INPUT DATA

TREATMENT POND CHARACTERISTICS

STORAGE RESERVOIR

PARAMETER / MONTH

NOV

DEC

JAN

FEB

MAR

APR

MAY

JUN

JUL

AUG

SEP

OCT

ANNUAL

3.2

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14.2

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2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	24
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(b) Reservoir water surface area is a function of storage volume at start of month.

(c) Estimated snowmelt volume available for inflow to storage reservoir.

(d) Estimated percentage of snowmelt contributing to influx to reservoir.

(a) Estimated percentage of animals considering an island as habitat.

(f) Disposal capacity based on maximum estimated land disposal volumes.

(g) Per Bloods Creek Gauging Station

(h) Not used in calculations



# 2000 - 2019 AMF (MG)

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Average	Std Dev (G)	90th Percentile
3.086	1.315	1.247	1.594	1.368	2.239	0.951	2.177	0.733	1.551	1.388	4.713	2.282	0.988	1.917	0.893	3.062
3.551	1.528	1.321	1.732	1.369	2.094	1.131	1.940	0.865	2.866	1.836	5.943	1.836	1.884	2.250	1.110	3.672
3.071	3.214	1.972	3.105	1.806	2.306	2.007	2.621	1.814	2.045	3.685	3.752	3.614	2.275	2.909	0.765	3.889
3.551	3.837	4.815	4.461	3.599	3.380	4.029	2.570	3.626	1.480	4.303	4.704	4.374	5.230	4.119	1.141	5.581
5.078	3.328	4.391	4.597	5.584	3.805	1.85	1.585	2.346	1.625	3.071	5.784	1.877	5.123	3.889	1.533	5.855
2.079	1.792	2.071	1.963	4.845	4.515	0.988	1.064	1.077	1.134	1.526	3.261	1.207	4.015	2.295	1.188	3.818
1.143	1.593	1.472	1.618	2.365	2.467	1.306	1.492	1.214	1.381	1.337	1.894	1.386	1.973	1.741	0.413	2.270
1.085	1.517	1.500	1.379	1.554	1.308	1.041	1.203	1.100	1.093	0.981	1.077	0.960	1.112	1.418	0.386	1.913
0.814	1.228	0.766	0.815	0.864	0.858	0.621	0.655	0.596	0.691	0.623	0.769	0.773	0.799	0.870	0.222	1.154
0.833	0.700	0.565	0.677	0.923	0.505	0.405	0.422	0.457	0.483	0.677	0.466	0.501	0.501	0.687	0.223	0.973
0.860	0.522	0.650	0.541	0.875	0.410	0.506	0.404	0.476	0.551	0.989	1.335	0.464	0.499	0.751	0.283	1.114
1.300	1.088	1.144	1.166	2.395	0.882	2.363	0.733	1.160	0.93	2.9	1.571	0.832	1.002	1.560	0.665	2.413
26.450	21.862	21.915	23.648	27.546	24.569	17.198	16.866	15.464	15.830	23.998	35.269	20.106	25.401	24.406	5.588	31.569

--- uses Aug. thru Nov.

0.029	0.033	0.029	0.028	0.035	0.024	0.021	0.022	0.022	0.023	0.027	0.030	0.022	0.024	0.031	0.024	0.031
43028	26829	31347	36821	40911	43698	25899	24208	20818	20272	38765	66734	32970	45731	36319	45731	36319

--- uses Aug. thru Oct.

0.030	0.037	0.031	0.031	0.036	0.027	0.022	0.025	0.023	0.025	0.025	0.025	0.024	0.026	0.032	0.026	0.032
42778	21896	29104	33581	39153	40454	24522	21426	18965	18729	40775	71497	30802	43374	34522	43374	34522

---uses July thru Sept.

0.033	0.047	0.041	0.041	0.052	0.048	0.032	0.036	0.032	0.034	0.032	0.041	0.034	0.042	0.044	0.042	0.044
39412	12194	19245	23349	23483	19128	14728	9795	10737	8968	33601	55975	21183	27374	23067	27374	23067

---uses July thru Oct.

0.031	0.041	0.035	0.036	0.046	0.040	0.027	0.031	0.027	0.030	0.029	0.034	0.029	0.036	0.038	0.036	0.038
40968	18384	24890	28291	29081	27166	19566	15542	14993	13711	36154	62432	25654	33941	28517	33941	28517

---uses July thru Nov.

0.031	0.036	0.032	0.033	0.043	0.035	0.025	0.027	0.025	0.027	0.030	0.036	0.027	0.032	0.036	0.032	0.036
41522	23007	27504	31911	32458	32358	21636	18914	17249	15925	35457	60412	28392	37670	31128	37670	31128

---uses June thru Sept.

0.042	0.050	0.048	0.047	0.079	0.073	0.032	0.036	0.033	0.035	0.037	0.057	0.035	0.065	0.052	0.065	0.052
30500	9097	12260	17450	-3444	-6032	14563	10028	9687	8132	28954	39242	19826	4846	15027	4846	15027

--based on Bloods Data

									0.035	0.037	0.057	0.032	0.055	0.032	0.055	0.032
									8132	28954	39242	23536	14690	22911	14690	22911

--based on Bloods Data

									2014/2015	2015/2016	2016/2017	2017/2018	2018/2019			
									0.035	0.037	0.057	0.032	0.055			
									8557	22536	41935	27947	14128			

I&I	2,968,238	10,568,046	14,323,385	8,590,608	5,361,784	8,362,412
Total Flow	15,830,000	23,998,000	35,269,000	20,106,000	25,401,000	24,405,645
% of INF	18.75%	44.04%	40.61%	42.73%	21.11%	34.26%





June 19, 2020

Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670

Attn: James Marshall, P.E., Supervising Engineer

**Reference: Bear Valley Water District Report of Waste Discharge**

Dear Mr. Marshall,

As requested by the Central Valley Regional Water Quality Control Board (Regional Water Board) in its April 28, 2020 letter to the District entitled "*Report of Waste Discharge Reminder for Renewal of NPDES Permit CA0085146 and Approval of Updated Mixing Zone/Dilution Study Report*," the Bear Valley Water District (District) is providing the attached Report of Waste Discharge (ROWD) and supporting information for renewal of Waste Discharge Requirements Order No. R5-2016-0045-02 (as amended by Order No. R5-2017-0041 and Order No. R5-2019-0078), NPDES No. CA0085146 (Order), permitting the District's Wastewater Treatment Facility (WWTF) discharge of treated wastewater (termed "effluent") to Bloods Creek.

Per the request, this ROWD consists of one document containing the following items, in the following order:

- *Antidegradation Analysis*
- *Summary of Effectiveness of the District Salinity Evaluation and Minimization Plan*
- *United States Environmental Protection Agency (EPA) Form 1*
- *State Water Resources Control Board Form 200*
- *EPA Form 2A, with attachments*
- *EPA Form 2S, with attachments*

The District respectfully requests that the Regional Water Board consider the following revisions to the current Order for inclusion in the renewed Order:

1. **Changing the Potential Frequency and Timing of when Effluent Discharges May Occur**

The current Order describes effluent discharges to Bloods Creek as "necessary to maintain design conditions in the storage/polishing reservoir in emergency situations during severe wet weather periods and during snowmelt season." The District believes it is consistent with maximum benefit to the people of the State to eliminate the emergency language and similar references to emergency situations and severe wet weather from the renewed Order. The current Order also prohibits effluent discharge to Bloods Creek from July 1 through December 31. The District believes it is consistent with maximum benefit to the people of the State to modify the discharge prohibition period to be between August 1 and December 31. This ROWD informational package includes an Antidegradation

**Reference: Bear Valley Water District Report of Waste Discharge**

Analysis discussing why these two amendments (changing the potential frequency and timing of effluent discharge) are believed to be appropriate based on recent changes in Bear Valley precipitation patterns, California's water resources, and salinity accumulation in California's water resources.

2. **Eliminating Composite Influent Monitoring when Discharge is Not Occurring**

Current Order Table E-2, footnote 3, requires one 24-hour composite influent sample each month during the effluent discharge season, regardless of whether effluent discharge is or is not occurring. The District requests that Table E-2, footnote 3 in the renewed Order read, "Monitoring only required in months when a discharge to Bloods Creek occurs." Year-round monthly monitoring of influent quality will continue to occur under Order No. 5-01-208.

3. **Eliminating Effluent Monitoring when Discharge is Not Occurring**

The current Order requires effluent monitoring even when effluent discharges to Bloods Creek are not occurring (e.g., current Order Table E-6, footnote 1 and footnote 4). The District has provided these data in 2017, 2018, 2019, and 2020, and believes further data adds little to the overall relevant database. The District discharges only when it believes it is both necessary for long-term effluent management and appropriate considering real-time Bloods Creek conditions. Effluent quality when these discharge criteria are not met may be different from when these criteria are met. Thus, under the current Order, the District may be spending public money on effluent monitoring that does not represent information relevant to actual effluent discharge events. Accordingly, the District requests that the renewed Order not require effluent monitoring when effluent discharges to Bloods Creek are not occurring.

4. **Eliminating the lbs/day Effluent Limitations Not Based on a Total Maximum Daily Load (TMDL)**

Since the lbs/day effluent limitations are based directly on flow (which is regulated) and concentration (which is also regulated), the District believes lbs/day effluent limitations are redundant and therefore should be removed from the renewed Order. The district believes this request is consistent with current Regional Water Board permitting practices.

5. **Scheduling Priority Pollutant Monitoring**

The Regional Water Board's April 28, 2020 letter states that the Reasonable Potential Analysis (RPA) "is conducted using effluent and receiving water data collected over the last three years." The District is requesting guidance on the timing of the priority pollutant monitoring during the five-year permit term considering that 1) under the current Order, priority pollutant monitoring was conducted in the first snowmelt season in which the District discharged, and in the renewed Order this monitoring could be as early as Year 1

**Reference: Bear Valley Water District Report of Waste Discharge**

and potentially further than three years from when the RPA may be conducted for future renewal, 2) the next renewal application is forecast to be due at the end of Year 4 (i.e., the next renewal application is forecast to be due one year in advance of permit expiration), and 3) the District does not discharge to Bloods Creek every snowmelt season.

6. **Regarding pH**

With the District's pond treatment process (i.e., equivalent secondary treatment) and polishing/storage reservoir, effluent pH swings are a natural process. The District believes the current 6.0/9.0 instantaneous minimum/maximum effluent limitations are appropriate to the District's facilities. The District also believes the 6.5 to 8.5 receiving water limitations on pH are also appropriate. The more restrictive of the two limitations (typically that is the 6.0 effluent limitation) is what controls District discharge operations. Accordingly, the District monitors effluent discharge pH continuously and automatically stops discharge and recirculates effluent at pH 6.1 to avoid an instantaneous 5.9 reading during discharge (from pH meter drive, decay of pine needles, or pollen blown into the reservoir near the effluent outlet). Under this control strategy, compliance with current Order pH limitations has been excellent. There have been no violations of either effluent limitations or receiving water limitations for pH during the current Order term.

**Table 1** below shows the range of pH from March 2017 through June 2019 during snowmelt season measured at three locations – 1) effluent pH, 2) ambient Bloods Creek pH measured 50 feet upstream of the effluent discharge location (RSW-001), and 3) Bloods Creek pH 200 feet downstream of the effluent discharge location (RSW-002). The pH range of effluent discharged to Bloods Creek from March 2017 through June 2019 reflected a natural variability similar to that of Bloods Creek.

**Table 1            Minimum and Maximum Effluent pH, RSW-001 pH, and RSW-002 pH  
Measured from March 2017 through June 2019**

	Effluent pH	RSW-001 pH <sup>[1]</sup>	RSW-002 pH <sup>[2]</sup>
Minimum	6.00	6.58	6.64
Maximum	8.99	8.89	8.18

[1] RSW-001 is measured 50 ft upstream of the effluent discharge location.

[2] RSW-002 is measured 200 ft downstream of the effluent discharge location.

**Reference: Bear Valley Water District Report of Waste Discharge**

**Table 2** below shows the RSW-001 pH and average effluent pH measured on the days when the maximum and minimum RSW-002 pH values were measured when discharge was occurring from March 2017 through June 2019. The effluent discharge under actual field conditions has buffered (lowered) Bloods Creek high pH values and has not caused Bloods Creek pH at RSW-002 to fall below the 6.5 water quality objective.

**Table 2            RSW-001 pH and Effluent pH Measured on the days when the Minimum and Maximum RSW-002 pH Values were Measured**

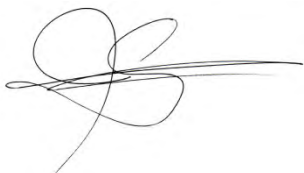
Date	RSW-002 pH	RSW-001 pH	Average Effluent pH
May 22, 2019	6.64	6.79	6.26
March 15, 2017	8.18	8.70	6.49
April 5, 2017	8.18	8.74	6.20

Any change in effluent limitations and/or receiving water limitations may require potentially material modifications of District facilities and/or operations. Consequently, the District requests that the Regional Water Board contact the District prior to the release of a tentative Order to discuss pH related issues if changes in pH limitations are being considered for the renewed Order.

Feel free to contact me with any questions you might have regarding this submittal, or if you require additional information. The District appreciates the efforts you and your staff have made to accommodate previous amendments as well as your efforts to work closely with the District to renew the Order.

Sincerely,

Bear Valley Water District

A handwritten signature in black ink, appearing to read 'Jeff Gouveia', with a stylized, looping design.

Jeff Gouveia, District Manager

Attachment: Bear Valley Water District Report of Waste Discharge

CC: Kelly McGartland, Stantec Consulting Services Inc.



BEAR VALLEY WATER DISTRICT  
REPORT OF WASTE DISCHARGE

June 19, 2020



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## ANTIDEGRADATION ANALYSIS



**Bear Valley Water District  
Antidegradation Analysis**

June 11, 2020

Prepared for:

Bear Valley Water District

Prepared by:

Stantec Consulting Services Inc.



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## 1.0 INTRODUCTION & PURPOSE

The Bear Valley Water District (District) has a National Pollutant Discharge Elimination System (NPDES) permit Order No. R5-2016-0045-02 (as amended by Order No. R5-2017-0041 and Order No. R5-2019-0078) adopted by the Central Valley Regional Water Quality Control Board (Regional Water Board) for the District's Wastewater Treatment Facility (WWTF) discharge of treated wastewater (termed "effluent") to Bloods Creek. The District's current Order expires on July 31, 2021 and the District must file a Report of Waste Discharge (ROWD) by February 1, 2021 in order for the Regional Water Board to consider renewing this permit (i.e., adopting a new Order). The District seeks renewal of the permit, with proposed amendments believed to be important and causing no significant adverse impact on the environment as documented in this Antidegradation Analysis being provided with the ROWD for the new Order.

## 2.0 RESOLUTION NO. 68-16 AND 40 CFR SECTION 131.12

The California State Water Resources Control Board Resolution No 86-16 (also referred to as the "Antidegradation Policy") and 40 Code of Federal Regulations (CFR) Section 131.12 discuss when degradation of water quality is appropriate considering a wide range of factors. The critical essence of these regulations is believed to be captured by the Resolution No 68-16 requirement that discharges "into the waters of the State shall be so regulated as to achieve highest water quality consistent with maximum benefit to the people of the State and shall be controlled so as to promote the peace, health, safety, and welfare of the people of the State". Specific concepts common to both requirements include:

1. Any change in the existing quality of water must be consistent with the maximum benefit to the people.
2. The change must not unreasonably affect current or anticipated beneficial uses of the water.
3. The water quality must comply with the prescribed policies.
4. No pollution or nuisance will occur.

## 3.0 PROPOSED AMENDMENTS

The current Order describes effluent discharges to Bloods Creek as "necessary to maintain design conditions in the storage/polishing reservoir in emergency situations during severe wet weather periods and during snowmelt season." Additionally, Prohibition III.E in the current Order prohibits discharge between July 1 and December 31.

The District seeks to incorporate the following two amendments into the new Order:



## BEAR VALLEY WATER DISTRICT ANTIDEGRADATION ANALYSIS

1. Removal of the “emergency” language and similar references to emergency situations and severe wet weather from the foregoing language in the current Order, and
2. Modification of the discharge prohibition period to be between August 1 and December 31 instead of between July 1 and December 31.

Specifically relevant to these two proposed amendments are the interrelated material facts that the District has witnessed significant changes to the climate directly at its treatment facilities at 7,200 feet elevation over the past five years and the District’s aerial survey of its storage reservoir in 2014, which revealed the storage capacity was approximately 30% smaller than previously understood. Increasingly, rain (not snow) is falling during winter months in the alpine environment, which, when coupled with reduced storage capacity, has dramatically changed the District’s water balance and how the District manages the facility to avoid uncontrolled discharges from its storage reservoir.

The District seeks inclusion of these two amendments in the new Order for several reasons. As proposed, these amendments represent a minor refinement of the current Order and current District actions that are known to have no significant adverse impacts on the environment based on several years of qualitative and quantitative evaluations of Bloods Creek during actual effluent discharge conditions. The effluent limitations, which are designed to be protective of the beneficial uses of Bloods Creek, are not proposed to be changed. The water quality based effluent limitations contained in the Order have resulted in the District implementing best practicable treatment or control (BPTC) of the discharge to ensure no pollution or nuisance will occur and the highest water quality that is consistent with the maximum benefit to the people of the State will be maintained.

### 2.1 REMOVAL OF EMERGENCY LANGUAGE

The District seeks to remove the “emergency” language because the District believes effluent discharges to Bloods Creek should be permitted as necessary under existing effluent water quality and dilution requirements to maximize benefit to the people of the State for the reasons listed below. If the “emergency” language is removed, the District does not necessarily plan to discharge to Bloods Creek every discharge season, but only as conditions warrant. For example, as a result of mid-winter drought like conditions in the current water year, the District elected to not discharge this spring 2020.

1. ***Critical Loss of Water Resources from the State and Concentration of Salt*** – The realistic alternative to discharging effluent to Bloods Creek is application to forest lands. With land application, the effluent either evaporates during application, evapotranspires from vegetation, or infiltrates into the soil and eventually the groundwater. Evaporation and evapotranspiration are a loss of pure water from California to the atmosphere. Salts associated with the lost water remain on the land, largely in the water that infiltrates to groundwater. Thus, the salinity of the effluent that infiltrates to groundwater, and eventually the Stanislaus River watershed, is increased. While these water loss and salt concentration phenomena occur with all effluent land application projects, in the District’s specific situation the adverse effects of water loss and salt concentration are not offset by any material benefit (e.g., creating habitat or recreational activities, freeing a higher quality water supply for other beneficial uses, etc.). When the effluent is alternatively discharged to Bloods Creek, the salt is kept with its associated water and allows for



## BEAR VALLEY WATER DISTRICT ANTIDEGRADATION ANALYSIS

direct accountability through the NPDES monitoring and reporting program. Maximizing the freshwater resources of California and minimizing needless accumulation of salt in those resources are consistent with maximum benefit to the people of the State.

2. **Excessive Tree Mortality** – Land application to forest lands causes unnaturally high soil moisture conditions during the summer months when the forest soil normally would drain and aerate. The District has noted substantial loss of trees in its land application areas. The District seeks to minimize this adverse impact on the land environment as long as the alternatives do not adversely impact the aquatic environment. After several years of effluent discharge to Bloods Creek, the data indicates that the current effluent discharge with 20:1 dilution does not cause significant adverse impacts on the aquatic environment, the specifics of which are discussed later in this analysis.
3. **Excessive Energy Use** – Evaporation and evapotranspiration of effluent via land application both require more energy than discharging to Bloods Creek. Land application involves two stage pumping of effluent from both high horsepower electric pumps and rented diesel pumps to isolated sites and pressurizing the effluent for sprinkler application to forest lands. Energy is used and the fuel-fired pumps create some (though limited) air and noise pollution. Both evaporation and evapotranspiration of effluent cost more than discharging effluent to Bloods Creek. The District has borne this added cost (which varies from year to year), but realizes that it is a public expense that results in more damage (i.e., loss of water, concentration of salt, forest damage, energy use, and air/noise pollution) than good (reduced minor seasonal degradation of Bloods Creek water quality, as discussed below).
4. **Tenuous Land Use Agreement** – The United States Forest Service (USFS) has indicated that they plan to no longer issue special use permits (SUP) for effluent land disposal. The USFS has directed the District to apply for a short-term use permit but advised the District to investigate alternatives to land application of effluent on federal lands. Alternatives under consideration include discharging more effluent to Bloods Creek with 20:1 dilution to reduce forest land impacts and needs and/or purchasing forest land from the Federal government through the Townsite Act. While the cost of the federal land is currently unknown, it is expected to be substantial.

### 2.2 MODIFICATION OF THE DISCHARGE PROHIBITION PERIOD

The District also requests that the discharge prohibition period in the new Order be modified to August 1 through December 31. This request is based on recent experience that under heavy snowfall conditions:

1. Land application may be unrealistic in July (e.g., in July 2017, the District continued to receive, treat, and ultimately store water that could not be applied to saturated land still holding some snow nor could it be discharged to a snowmelt swollen Bloods Creek under the current permit prohibition).
2. Snowmelt flows in Bloods Creek would allow effluent discharge well into July with all of the aforementioned benefits of creek discharge versus land application being achieved. In the absence of a discharge solution in July when these unique set of conditions arise, the likelihood



## BEAR VALLEY WATER DISTRICT ANTIDEGRADATION ANALYSIS

increases that the District will carryover stored water from one water year to the next. This could prevent the District from achieving the available storage capacity necessary by November 15, as required by the District's Waste Discharge Requirement Order No. 5-01-208 for effluent land application.

3. The District must have a plan to maximize its service capacity to the existing service boundary and subdivided lots. As the facilities are currently operated, the in-District potential needs for service are believed to be greater than the current effluent disposal capacity available. Since no additional disposal lands are readily available to the District and the fact that some land use permits may not be reviewed, the requested amendments are believed to help address the District's sewer service obligations to ensure safe and reliable service for its customers.

### 4.0 EFFLUENT DISCHARGE IMPACTS ON BLOODS CREEK

The current Order requires the District to quantitatively monitor Bloods Creek water quality at two places when effluent discharges are occurring: 1) 50 ft upstream of the effluent discharge point (RSW-001) and 2) 200 ft downstream of the effluent discharge point (RSW-002). Additionally, the current Order's receiving water limitations prohibit the effluent discharge from causing more qualitative adverse conditions in Bloods Creek, such as deposits of settled solids or nuisance biostimulation. Results from quantitative monitoring of effluent discharge impacts on Bloods Creek water quality are summarized from the California Integrated Water Quality System (CIWQS) in Table 1.

Table 1 shows 1) the average of results for all days where there were data for each monitoring location, 2) the differences between the two monitoring locations, and 3) the receiving water limitation from the current Order (if applicable). As shown, the effluent discharge shows no overall tendency to adversely impact Bloods Creek dissolved oxygen (DO), total hardness, temperature, or pH. However, effluent contains more salinity and turbidity than snowmelt. Therefore, the effluent discharge has caused degradation, but not pollution, with regards to these water quality parameters. Specifically, over the past several seasons of effluent discharge to Bloods Creek, the effluent discharge has on average increased Bloods Creek electrical conductivity (EC), an indicator of water salinity, from an ambient 34.6 umhos/cm to a downstream value of 42.6 umhos/cm with the most restrictive water quality objective being 700 umhos/cm. The effluent discharge has increased Bloods Creek turbidity on average from an ambient 0.57 NTU to a downstream value of 0.74 NTU. The current Order contains a downstream limitation of 2 NTU when the ambient turbidity is less than 1 NTU. Although there is a slight increase of EC and turbidity in Bloods Creek caused by the effluent discharge, the extent of degradation caused by the discharge is well below the water quality limitations.

While collecting RSW-001 and RSW-002 Bloods Creek water quality data, District staff also observe Bloods Creek for any signs of the effluent discharge causing nuisance or aesthetic impacts on the creek (e.g., biostimulation, sediments, film, etc.). No impacts of these types have been observed to date.



## BEAR VALLEY WATER DISTRICT ANTIDegradation ANALYSIS

**Table 1**      **Average Water Quality in Bloods Creek from March 2017 to June 2019**  
**When Effluent Discharge was Occurring <sup>(a)</sup>**

Water Quality Parameter	Average <sup>(b)</sup>		Difference	% Difference	Receiving Water Limitation in Current Order
	RSW-001	RSW-002			
DO (mg/L)	9.8	9.7	-0.1	-1%	7.0 (min)
EC (umhos/cm)	34.6	42.6	8.0	23%	
Turbidity (NTU)	0.57	0.74	0.18	31%	2
Total Hardness (mg/L as CaCO <sub>3</sub> )	10.9	12.1	1.3	12%	
Temperature (degree F)	37.1	37.1	0.0	0%	5 degree difference
pH	7.3	7.2	-0.1	-2%	6.5 – 8.5

(a) Source: CIWQS.

(b) Average of 33 days between March 2017 and June 2019, except for total hardness, which only has to be monitored once a month and is the average of 8 days.

## 5.0 ANTIDegradation ANALYSIS

The requirements for an antidegradation analysis are set forth primarily in State Water Resources Control Board Resolution 68-16 (discussed in Section 2.0). The District's proposed amendments would increase the frequency and duration of degradation of Bloods Creek water quality with respect to EC and turbidity as noted in Table 1, but not the magnitude of degradation to any significant extent. The current discharge does not cause readily observable biostimulation in Bloods Creek and certainly does not cause nuisance biostimulation. Therefore, under the proposed amendments, the degradation reported (and postulated), herein:

1. Would occur without the District declaring an "emergency". Discharges would occur when appropriate to maximize benefit to the people of the State, which may be more frequent than "emergency" conditions.
2. Would occur in some July months, particularly when late snowmelt occurs.

In all cases, the degradation should not be materially different from what has been observed to date because effluent water quality, Bloods Creek snowmelt season water quality, and effluent dilution requirements are not expected to change materially. Maximum biostimulation occurs concurrent with maximum sunlight and water temperature. Maximum sunlight is determined by proximity to the summer solstice and shading provided by deciduous riparian vegetation. The District's effluent discharge location is in a meadow of a coniferous (not deciduous) forest. Thus, the issue of sunlight is related almost entirely





## BEAR VALLEY WATER DISTRICT ANTIDEGRADATION ANALYSIS

to proximity to the summer solstice. Therefore, the maximum period for biostimulation risk is around June 21, not July. In theory, July creek temperature should be warmer, but in practice the District's effluent discharge is driven by snowmelt season, and snowmelt temperature in Bloods Creek is around 37°F, as shown in Table 1. Warmer Bloods Creek temperatures will occur, but not during the snowmelt period when the District makes its effluent discharges.

With biostimulation and creek aesthetics not appearing to be issues based on real world experience and logic, the balance/tradeoffs for the two proposed amendments from an antidegradation perspective appear to be:

### Benefits of not amending the Order:

- Reduced frequency and seasonal duration of degradation of Bloods Creek EC and turbidity.

### Benefits of amending the Order:

- More water resources in California,
- Less concentration of salt on the Stanislaus River watershed,
- Less energy consumption,
- Reduced environmental impacts on forest ecology, air quality, and noise levels, and
- Reduced public expense.

To the District, it appears by inspection that the greater benefit to the people of the State results from the District's proposed amendments. The unforeseen risk to the people posed by the proposed amendments is believed to be minor based on the following:

1. Factual results from effluent discharges made over several snowmelt seasons,
2. The District's on-going monitoring during each effluent discharge period,
3. The District's effluent storage reservoir serving as an effluent equalization process (i.e., effluent water quality "spikes" or "upsets" cannot occur through either the District's pond treatment process or the subsequent storage reservoir volume), and
4. If there is any perceived problem with the effluent discharge to Bloods Creek, then the discharge can be stopped, and the effluent stored in the reservoir until the problem is addressed.

## 6.0 SUMMARY AND CONCLUSION

The District is requesting two amendments in the new Order that require antidegradation analysis. The discharge undergoes BPTC and the effluent limitations are designed to protect the beneficial uses of Bloods Creek. The amendments do not change physical or chemical conditions in Bloods Creek with



## BEAR VALLEY WATER DISTRICT ANTIDEGRADATION ANALYSIS

regards to water quality and/or risk of nuisance conditions, but they do change the frequency and/or timing of when effluent discharges may occur. Timing is potentially important with regards to biostimulation risk, but not in this particular situation where the primary driver is snowmelt season and the discharge location is a meadow in a coniferous forest. Frequency is also potentially important, but not in this particular situation because the increase in frequency is seasonal from snowmelt period to snowmelt period with substantial blocks of time existing between snowmelt/effluent discharge periods. In other words, the chances for some form of cumulative impact from long-term, continuous effluent discharge is not an issue in this specific situation involving an increase in limited, seasonal effluent discharges.

The benefits of not amending the new Order versus the benefits of amending the new Order have been identified and qualified. The District believes the benefits of amending the Order are of maximum benefit to the people of the State.



## SUMMARY OF EFFECTIVENESS OF SALINITY EVALUATION AND MINIMIZATION PLAN



**Summary of Effectiveness of the  
Bear Valley Water District Salinity  
Evaluation and Minimization Plan**

June 8, 2020

Prepared for:

Bear Valley Water District

Prepared by:

Stantec Consulting Services Inc.



# **SUMMARY OF EFFECTIVENESS OF THE BEAR VALLEY WATER DISTRICT SALINITY EVALUATION AND MINIMIZATION PLAN**

Introduction, Purpose, & Scope

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# **SUMMARY OF EFFECTIVENESS OF THE BEAR VALLEY WATER DISTRICT SALINITY EVALUATION AND MINIMIZATION PLAN**

## **Introduction, Purpose, & Scope**

### **1.0 INTRODUCTION, PURPOSE, & SCOPE**

The Bear Valley Water District (District) has a National Pollutant Discharge Elimination System (NPDES) permit Order No. R5-2016-0045-02 (as amended by Order No. R5-2017-0041 and Order No. R5-2019-0078) adopted by the Central Valley Regional Water Quality Control Board (Regional Water Board) for the District's Wastewater Treatment Facility (WWTF) discharge of treated wastewater (termed "effluent") to Bloods Creek. The WWTF, which produces secondary disinfected effluent through biological treatment and chlorine disinfection, receives wastewater from approximately 650 residential and commercial equivalent dwelling units within the Bear Valley area. The WWTF has a design capacity of 0.5 million gallons per day (mgd) and is permitted to discharge up to 1.0 mgd as a monthly average and up to 2.5 mgd as a daily maximum from January 1 through June 30 with a minimum 20:1 (creek:effluent) dilution.

The District's NPDES permit expires on July 31, 2021 and the District must file a Report of Waste Discharge (ROWD) by February 1, 2021. Along with the submittal of the ROWD, Special Provision VI.C.3.a. of the Order requires a summary of the effectiveness of the District's Salinity Evaluation and Minimization Plan.

This summary includes a brief description of the District's current Salinity Evaluation and Minimization Plan and compares the WWTF effluent water quality to the current applicable water quality objectives. A description of the Central Valley Salinity Alternatives for Long Term Sustainability (CV-SALTS) initiative, which is anticipated to be fully approved this year (2020) is also included, along with a discussion of the District's compliance with the CV-SALTS initiative.

### **2.0 SALINITY EVALUATION AND MINIMIZATION PLAN**

The District's Salinity Evaluation and Minimization Plan (Salinity Plan) was prepared by Weber, Ghio & Associates, Inc. in October 2012 to fulfill a requirement included in the District's previous NPDES permit (Order No. R5-2011-0053). The 2012 Salinity Plan is included in Appendix A. The Salinity Plan assessed the District's salinity sources, which include the potable water supply, residential water uses, commercial water uses, and the wastewater collection and treatment processes. After comparing the WWTF's effluent water quality to the applicable salinity water quality objectives, it was determined that the District was capable of complying with applicable salinity water quality objectives because the effluent salinity concentrations were significantly lower than the objectives. The Salinity Plan concluded that the reduction in effluent salinity that could be realized through treatment process modifications, such as reverse osmosis, did not justify the associated high capital and operational costs. Instead, the Salinity Plan recommended that District salinity control efforts focus on public outreach and source control. As a source control effort, the District has added a message to its website emphasizing to District customers the difference between the wastewater utility and a landfill, and what types of wastes belong in each.



## SUMMARY OF EFFECTIVENESS OF THE BEAR VALLEY WATER DISTRICT SALINITY EVALUATION AND MINIMIZATION PLAN

### Effluent Limitations and Applicable Water Quality Objectives

## 3.0 EFFLUENT LIMITATIONS AND APPLICABLE WATER QUALITY OBJECTIVES

The current Order does not contain effluent limitations for salinity. The Fact Sheet details the other sources for water quality objectives/criteria for indicators of salinity, including electrical conductivity (EC), total dissolved solids (TDS), chloride, and sulfate. Other sources discussed in the Fact Sheet include the Secondary Maximum Contaminant Levels (SMCLs) established by the State of California and the US Environmental Protection Agency (EPA) National Ambient Water Quality Criteria (NAWQC). **Table 1** shows applicable salinity water quality objectives/criteria discussed in the Fact Sheet.

**Table 1 Salinity Water Quality Objectives/Criteria**

Parameter	SMCL <sup>[1]</sup>	US EPA NAWQC
EC (umhos/cm)	900-1600-2200	-
TDS (mg/L)	500-1000-1500	-
Chloride (mg/L)	250-500-600	860 (1-hour) 230 (4-day)
Sulfate (mg/L)	250-500-600	-

[1] The three SMCL values shown are recommended, upper, and short term SMCLs.

## 4.0 CV-SALTS

In an effort to control salt accumulation in residual irrigation water, mitigate adverse impacts on agricultural lands, and ultimately stabilize salinity (and possibly reverse it to some extent), the Regional Water Board developed the CV-SALTS initiative. The objective of the initiative was to develop a salinity (and nitrate) control plan based on input from all stakeholders (e.g., agriculture, cities, industries, environmentalists, economists, etc.). The initiative resulted in recommendations that the Regional Water Board's "Basin Plan" be amended to specify how control of salinity (and nitrate) was to be accomplished. The CV-SALTS proposed Basin Plan amendments were adopted by the Regional Water Board on 31 May 2018 and forwarded to the State Water Resources Control Board (State Water Board) for approval. The State Water Board approved the Basin Plan amendments on 16 October 2019 and forwarded them on to the Environmental Protection Agency (EPA) and the Office of Administrative Law (OAL) for approval. The OAL approved the amendments on 15 January 2020, which becomes the effective date for the Basin Plan amendments and policies identified therein, except for those aspects needing EPA approval, which is pending at this time. Under the amendments, the District will receive a Notice to Comply with the amendments from the Regional Water Board. Though the District has not yet received its



## **SUMMARY OF EFFECTIVENESS OF THE BEAR VALLEY WATER DISTRICT SALINITY EVALUATION AND MINIMIZATION PLAN**

### **CV-SALTS**

Notice to Comply, the District is committed to following CV-SALTS guidelines and associated Basin Plan amendments, as discussed below.

Key aspects of the Basin Plan amendments relative to regulation of salinity that are believed to be relevant to the District and the District's response to those regulations are presented below.

- The Salt Control Program (SCP) will be implemented in three phases (Phases I, II, and III), with each phase expected to take from 10 to 15 years (i.e., 30 to 45 years total, according to the Basin Plan).
- The SCP will be reviewed in its entirety prior to implementing Phase II, but no later than 15 years after the effective date, which is 15 January 2020.
- The District will receive a Notice to Comply from the Regional Water Board within one year of the effective date of the amendments (i.e., within one year of 15 January 2020).
- The District will decide whether it will comply with either the Conservative Salinity Permitting Approach or the Alternative Salinity Permitting Approach (as shown in Figure S-1 from the Basin Plan amendments). The District will have six months after receiving the Notice to Comply to submit a Notice of Intent of its selected approach to the Regional Water Board.
- It is likely the District will decide to pursue the Conservative Salinity Permitting Approach because the salinity of the District's effluent is significantly lower than the water quality objectives being proposed by the Basin Plan amendments. As discussed further in Section 5.0, the District's recorded measurements of effluent EC have averaged 105 umhos/cm since 2016.
- Phase 1 Conservative Salinity Permitting Approach salinity WQOs for Municipal (MUN) and Agricultural (AGR) beneficial uses are established at 900 umhos/cm and 700 umhos/cm, respectively, for both surface waters and groundwaters. The District currently complies with these requirements.
- A Drought and Conservation Policy will address short-term salinity exceedances caused by factors beyond District control.
- Under the Conservative Salinity Permitting Approach, the District is expected to achieve the following items:
  - Comply with the existing regulatory structure (the District currently complies, including the Antidegradation Policy).
  - Focus on source control to limit salinity impacts to the extent feasible (ongoing efforts are included in the District's current Salinity Plan).



## SUMMARY OF EFFECTIVENESS OF THE BEAR VALLEY WATER DISTRICT SALINITY EVALUATION AND MINIMIZATION PLAN

### Salinity Evaluation and Minimization Plan Effectiveness

- Use as little salinity assimilative capacity as feasible in surface waters and groundwaters (the District creates salinity assimilative capacity via its effluent discharge to Bloods Creek).
- Need little to no time schedules to achieve compliance with proposed salinity WQOs (the District is in compliance at this time).

In summary, the CV-SALTS Basin Plan amendments are expected to change some aspects of the District's Order but may not change District wastewater utility operations materially. For the District, key themes coming out of the Basin Plan amendments are thought to be 1) continued salinity source control, and 2) continued compliance with the State's Antidegradation Policy.

## 5.0 SALINITY EVALUATION AND MINIMIZATION PLAN EFFECTIVENESS

The California Integrated Water Quality System (CIWQS) contains the District's self-reported water quality data for the required monitoring locations and constituents. The Lake Alpine Water Company Water Quality Reports contain the potable water supply water quality data. Since the District is required to monitor for EC once per week when discharging effluent to Bloods Creek, there are significantly more data available for EC than for TDS, chloride, and sulfate which are only required to be tested once per the permit term. **Tables 2** through **5** show the effluent water quality for EC, TDS, chloride, and sulfate, respectively, in comparison to the potable water supply (if available).

**Table 2 Recent EC of the Potable Water Supply and the Wastewater Effluent**

Calendar Year	Potable Water Supply EC (umhos/cm) <sup>[1]</sup>	Wastewater Effluent EC (umhos/cm) <sup>[2]</sup>	
		Average	Maximum
2016	37	100	100
2017	32	120	230
2018	45	100	124
2019	27	82	161
2016 – 2019 Average/Maximum <sup>[3]</sup>	35	105	230

[1] Obtained from the Lake Alpine Water Company Water Quality Reports. Each water sample was taken in August of each year.

[2] Obtained from the California Integrated Water Quality System (CIWQS). CIWQS had 1 EC datum point in May 2016, 35 EC data points in March through June 2017, 14 EC data points in April and May of 2018, and 18 EC data points in May and June of 2019.

[3] The potable water supply and the average wastewater effluent EC columns show the average EC measured between 2016 and 2019. The maximum wastewater effluent EC column shows the maximum EC measured between 2016 and 2019.



## SUMMARY OF EFFECTIVENESS OF THE BEAR VALLEY WATER DISTRICT SALINITY EVALUATION AND MINIMIZATION PLAN

### Salinity Evaluation and Minimization Plan Effectiveness

**Table 3 Recent TDS Concentrations of the Potable Water Supply and the Wastewater Effluent**

Calendar Year	Potable Water Supply TDS (mg/L) <sup>[1]</sup>	Wastewater Effluent TDS (mg/L) <sup>[2]</sup>
2016	53	80
2017	35	110
2018	42	-
2019	51	-
2016 – 2019 Average	45	95

[1] Obtained from the Lake Alpine Water Company Water Quality Reports. Each water sample was taken in August of each year.

[2] Obtained from CIWQS. Measured in May 2016 and March 2017.

**Table 4 Recent Chloride Concentrations of the Wastewater Effluent**

Calendar Year	Wastewater Effluent Chloride (mg/L) <sup>[1]</sup>
2016	11
2017	16
2016 – 2017 Average	14

[1] Obtained from CIWQS. Measured in May 2016 and March 2017.

**Table 5 Recent Sulfate Concentrations of the Potable Water Supply and the Wastewater Effluent**

Calendar Year	Potable Water Supply Sulfate (mg/L) <sup>[1]</sup>	Wastewater Effluent Sulfate (mg/L) <sup>[2]</sup>
2016	-	3.1
2017	-	3.2
2018	-	-
2019	0.52	-
2016 – 2019 Average	0.52	3.2

[1] Obtained from the Lake Alpine Water Company Water Quality Reports. Sulfate was not reported in these annual reports until 2019. The water sample was taken in August 2019.

[2] Obtained from CIWQS. Measured in May 2016 and March 2017.

As expected, there is an increase in salinity from the potable water supply to the wastewater effluent caused largely by residential/commercial uses. However, comparing the most stringent water quality





## SUMMARY OF EFFECTIVENESS OF THE BEAR VALLEY WATER DISTRICT SALINITY EVALUATION AND MINIMIZATION PLAN

### Conclusion

objectives to the maximum measured effluent concentrations of the respective parameters shows that the effluent from the WWTF is well within compliance, as shown in **Table 6**.

**Table 6 Maximum Measured Effluent Concentrations Compared to Most Stringent Water Quality Objective/Criteria**

Parameter	Maximum Measured Effluent Concentration since May 2016 <sup>[1]</sup>	Most Stringent Water Quality Objective/Criteria
EC (umhos/cm)	230	700 <sup>[2]</sup>
TDS (mg/L)	110	500 <sup>[3]</sup>
Chloride (mg/L)	16	230 <sup>[4]</sup>
Sulfate (mg/L)	3.2	250 <sup>[5]</sup>

[1] Obtained from CIWQS.

[2] The CV-SALTS WQO.

[3] The TDS SMCL.

[4] The US EPA NAWQC.

[5] The sulfate SMCL.

## 6.0 CONCLUSION

The District has a Salinity Evaluation and Minimization Plan that assessed the District's salinity sources and compared the District's effluent salinity to the applicable water quality objectives. The District continues to monitor its salinity trends. The District's effluent salinity parameters are significantly lower than the most stringent water quality objectives/criteria. The District intends to comply with the applicable water quality objectives and the CV-SALTS Basin Plan amendments.



**APPENDIX A**  
**BEAR VALLEY WATER DISTRICT**  
**SALINITY EVALUATION AND MINIMIZATION PLAN**  
**October 2012**



# **BEAR VALLEY WATER DISTRICT**

## **SALINITY EVALUATION AND MINIMIZATION PLAN**

**OCTOBER 2012**

**Prepared By:**

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# **SALINITY EVALUATION AND MINIMIZATION PLAN**

## **1.0 INTRODUCTION**

On August 4, 2011 the California Regional Water Board, Central Valley Region (Regional Water Board) adopted Order No. R5-2011-0053 (NPDES Permit No. CA0085146) Waste Discharge Requirements for the Bear Valley Water District. Special Provision V1.C.3.b of the Order requires the District to "...prepare a salinity evaluation and minimization plan to address sources of salinity from the Facility." This report has been prepared to fulfill the requirements of this section of the Order.

The wastewater treatment plant (WWTP) receives wastewater from approximately 535 residential (133 year round residents) and 17 commercial connections within the Bear Valley Water District. WWTP influent is comprised primarily of domestic and commercial wastewater with no real industrial sources. The WWTP produces secondary disinfected effluent, with an existing design capacity of 0.5 million gallons per day (Mgal/day) and a permitted capacity of up to 0.1 Mgal/day, both on an average dry weather flow (ADWF) basis. The effluent can be discharged to Bloods Creek from January 1 through June 30 under conditions 1) storage reservoir (polishing pond) has less than 35 MG of unused effluent storage capacity and 2) providing a minimum of 20:1 dilution. Secondary effluent is applied to the District's Designated Land Disposal Area (DLDA) to the extent feasible, but primarily from May 1 through October 31 dependent upon snow melt and weather conditions. Effluent that in real-time cannot be discharged to Bloods Creek or the DLDA is stored until discharge is possible.

Recent monitoring of the potable water supply has yielded an average electrical conductivity (EC) of 78  $\mu\text{mhos/cm}$ . The historical average wastewater effluent EC for the period of 1997 through 2010 is 126  $\mu\text{mhos/cm}$ . The average wastewater effluent EC for 2011 is 60  $\mu\text{mhos/cm}$ , below the historical average EC of 126  $\mu\text{mhos/cm}$ .

### **1.1 Effluent Limitations and Applicable Water Quality Objectives**

The Order does not contain a final effluent limitation for annual average electrical conductivity (EC) or total dissolved solids (TDS). The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board Central Valley Region includes established and adopted numeric and narrative water quality objectives with respect to salinity. In addition, State Water Board Resolution 68-16, the "Anti-degradation Policy," requires 1) the quality of individual waters of the state be addressed in the permitting of waste discharges, and 2) high quality water should be preserved to the maximum benefit of the people of the state.



Numeric drinking water supply objectives on total dissolved solids (TDS) and EC have been adopted in the form of Secondary Maximum Contaminant Levels (SMCLs) based on duration of discharge to protect municipal and domestic water supply beneficial uses. These SMCLs consist of “Recommended,” “Upper,” and “Short-term” contaminant ranges. Narrative limitations for the protection of agricultural beneficial uses have also been established. These limitations should take the specific area, including climate and topography, and cropping patterns into account, and thus vary from area to area. Generally, numeric agricultural water quality objectives (WQOs) established by the Food and Agriculture Organization (FAO) that limit detrimental impacts to the most sensitive crops are applied as discharge limitations. A listing of these water quality objectives, effluent limitations, and the average concentration of the effluent is presented in Table 1.

Table 1				
Comparison of Effluent Limitations, Applicable Water Quality Objectives, and				
Effluent Quality, Bear Valley Water District WWTP				
Parameter	Final Effluent Limitation	Secondary MCL <sup>(a)</sup>	Agriculture WQO	Effluent <sup>(b)</sup>
Electrical Conductivity (µmhos/cm)	---	900-1600-2200	700	126
TDS (mg/L)	---	500-1000-1500	450	140
<sup>(a)</sup> Recommended –Upper-Short term.				
<sup>(b)</sup> Average of polishing pond data 1997-2010.				

The average WWTP effluent EC of 126 µmhos/cm (based on 1997 through 2010 monitoring) and 2011 testing result of 60 µmhos/cm are less than the agricultural water quality objective of 700 µmhos/cm, established in the Basin Plan. Based on the long-term effluent average, the District WWTP is currently capable of complying with all applicable salinity water quality objectives. However, increased water conservation in the community, including future State mandated reclamation and water conservation requirements, may inhibit compliance with the final effluent limitation in the future.

## 2.0 SALINITY SOURCES

The Bear Valley Water District WWTP influent wastewater is derived from residential and commercial uses of water. Thus, the salinity of the influent reflects the salinity of the potable water supply, additions from domestic and commercial uses of water, and any salinity contributed to (or diluted in) the collection system through infiltration and inflow. Additional inputs of salinity can occur during the wastewater treatment process, including increases in salinity concentration resulting from evaporation. Potential salinity sources associated with each of these components are discussed in this section.

## **2.1 Potable Water Supply**

The potable water within the District's service area is provided by the Lake Alpine Water Company using low salinity surface water from springs and snow melt into Bear Lake. The treatment of this surface water includes microfiltration and disinfection which add salinity to the water. The average salinity of the treated potable water supply based on 2011 testing is 78 µmhos/cm, which is a low salinity water supply.

## **2.2 Residential Uses**

The residential use of water contributes salinity to the wastewater within the District's service area primarily by the addition of soluble compounds to the water from excrement and cleaning products (e.g. detergents, soaps, cleansers, disinfectants, etc.). Generally, water softeners are large contributors of salinity to wastewater, but their use in the District's service area is unlikely based on the low hardness of the surface water supply (16 mg/L). Water quality data collected to date does not suggest significant numbers of water softeners in the community. The District may consider passing an ordinance banning the use of water softeners in new construction to prevent ill-informed homeowners from installing the devices when no material benefit will be realized. Swimming pools and hot tubs contribute salinity through maintenance activities and concentrate the salinity through evaporation. Other sources of salinity include the contribution of food particles through dishwashing and garbage disposals.

Although water conservation does not contribute salinity to the wastewater on a mass basis, it does increase the concentration of salts in the wastewater. As water conservation technology continues to be implemented within residential development and existing homes (e.g. there are already dual flush toilets on the market, a lower flush volume for liquid wastes and a higher flush volume for solid wastes), the wastewater salt concentration can be expected to continually increase (counter to the intent of the Order).

## **2.3 Commercial and Industrial Water Use**

Commercial sources of salinity are somewhat similar to those from residential use of water. However, the salinity varies with type of business. Potential sources of salinity that are somewhat different than residential use include cooling water blow down, car washes, photo processing wastes, and healthcare facilities. There are no significant industrial wastewater discharges to the District's collection system.

## **2.4 Wastewater Collection and Treatment**

Generally, salinity inputs from wastewater collection are attributed to infiltration and inflow (I&I). Infiltration of shallow groundwater, particularly in areas with substantial irrigated agriculture, can contribute salinity to the wastewater stream. Bear Valley is not surrounded by irrigated agricultural lands, and I/I does not appear to cause significant increases in wastewater salinity.

At the WWTP, salt containing chemicals, e.g., chlorine, are used to treat the wastewater. During treatment, incidental evaporation of water occurs, which increases the salt concentration of the effluent.

## **3.0 POTENTIAL METHODS TO REDUCE SALINITY AND ANTICIPATED LOAD REDUCTIONS**

The use of water in the District's service area historically contributes a very low amount of salinity, approximately 48  $\mu\text{mhos/cm}$  of EC, including contributions from the treatment process. Therefore, additional reductions in salinity are unlikely. Additional methods available to reduce the salinity of the District's effluent are limited. There is no source of lower salinity potable water. Public outreach and education efforts could be conducted to inform the citizens and businesses served by the District about salinity, and practices that could be employed to reduce effluent salinity. Including information with the utility bill would be a relatively simple and inexpensive method of education. The potential load reduction from these efforts will vary depending on public action, but is anticipated to be minimal.

Thus, any significant further reduction in effluent salinity will likely require modifications in treatment processes. The current chlorination/dechlorination system could be replaced with ultraviolet light disinfection, which could potentially reduce effluent salinity by approximately 50 mg/L. Reverse osmosis (RO) could remove salinity from the effluent, but at a very high cost. The brine stream created by RO would probably need to be shipped to the Bay Area for discharge to the ocean. Based on the cost of these potential treatment process modifications, District salinity reduction efforts will focus on source control rather than on advanced treatment processes.

## **4.0 MONITORING PLAN**

The District currently monitors the WWTP effluent for EC twice a year (no discharge to Bloods Creek) and twice per week (during discharge to Bloods Creek) and for TDS monthly. The WWTP influent is monitored for EC monthly and the water supply is monitored by EC and TDS annually. Monitoring influent salinity using EC is problematic due to high levels of volatile (organic) dissolved solids, and monitoring the effluent is sufficient for determining salinity contributions. The continued implementation of this

ongoing salinity monitoring program should provide adequate data to quantify the effectiveness of any District-implemented salinity minimization efforts.

## **5.0 SALINITY MINIMIZATION GOALS AND SCHEDULE**

The District is currently in compliance with water quality objectives for salinity. The District will conduct its salinity minimization plan for the purpose of continuing to meet the objectives. The primary methods for further achieving salinity minimization include the consideration of implementing a public outreach program as well as continued monitoring. It should be noted that future water conservation programs will likely increase the salinity of the wastewater, and the District may not be capable of meeting these limitations if major accomplishments of “in home” water conservation are realized. If this occurs it is suggested that the order be reopened to recognize the salt concentration effect of water conservation.


## **6.0 CONCLUSION**

The current increases in wastewater resource salinity from 1) use of potable water, and 2) the subsequent treatment of the wastewater produced in the Bear Valley Water District are below Regional Water Board objectives, which allow for an increase in effluent EC of 500  $\mu\text{mhos/cm}$  over source water. The District has implemented a salinity monitoring program to track salinity trends and to determine if additional measures are necessary to further reduce effluent salinity. In addition, the necessity of a public education program will be explored, and implemented, if it is determined that the program could result in a measurable reduction in the salinity footprint of the community.

## FORMS

[U.S. EPA FORM 1](#)



EPA Identification Number CA 0085146		NPDES Permit Number R5-2016-0045-02		Facility Name BEAR VALLEY WWTF		Form Approved 03/05/19 OMB No. 2040-0004		
Form 1 NPDES		U.S. Environmental Protection Agency Application for NPDES Permit to Discharge Wastewater <b>GENERAL INFORMATION</b>						
<b>SECTION 1. ACTIVITIES REQUIRING AN NPDES PERMIT (40 CFR 122.21(f) and (f)(1))</b>								
Activities Requiring an NPDES Permit	1.1	<b>Applicants <i>Not Required</i> to Submit Form 1</b>						
	1.1.1	Is the facility a new or existing <b>publicly owned treatment works</b> ? If yes, STOP. Do NOT complete Form 1. Complete Form 2A. <input type="checkbox"/> No			1.1.2	Is the facility a new or existing <b>treatment works treating domestic sewage</b> ? If yes, STOP. Do NOT complete Form 1. Complete Form 2S. <input type="checkbox"/> No		
	1.2	<b>Applicants <i>Required</i> to Submit Form 1</b>						
	1.2.1	Is the facility a <b>concentrated animal feeding operation</b> or a <b>concentrated aquatic animal production facility</b> ? <input type="checkbox"/> Yes → Complete Form 1 <input checked="" type="checkbox"/> No <b>and</b> Form 2B.			1.2.2	Is the facility an <b>existing</b> manufacturing, commercial, mining, or silvicultural <b>facility</b> that is <b>currently discharging process wastewater</b> ? <input type="checkbox"/> Yes → Complete Form 1 <input checked="" type="checkbox"/> No <b>and</b> Form 2C.		
	1.2.3	Is the facility a <b>new</b> manufacturing, commercial, mining, or silvicultural <b>facility</b> that has <b>not yet commenced to discharge</b> ? <input type="checkbox"/> Yes → Complete Form 1 <input checked="" type="checkbox"/> No <b>and</b> Form 2D.			1.2.4	Is the facility a <b>new or existing</b> manufacturing, commercial, mining, or silvicultural <b>facility</b> that <b>discharges only nonprocess wastewater</b> ? <input type="checkbox"/> Yes → Complete Form 1 <input checked="" type="checkbox"/> No <b>and</b> Form 2E.		
	1.2.5	Is the facility a <b>new or existing facility</b> whose discharge is composed entirely of <b>stormwater associated with industrial activity</b> or whose discharge is composed of <b>both stormwater and non-stormwater</b> ? <input type="checkbox"/> Yes → Complete Form 1 <input checked="" type="checkbox"/> No <b>and</b> Form 2F unless exempted by 40 CFR 122.26(b)(14)(x) or (b)(15).						
<b>SECTION 2. NAME, MAILING ADDRESS, AND LOCATION (40 CFR 122.21(f)(2))</b>								
Name, Mailing Address, and Location	2.1	<b>Facility Name</b>						
	BEAR VALLEY WATER DISTRICT							
	2.2	<b>EPA Identification Number</b>						
	CA 0085146							
	2.3	<b>Facility Contact</b>						
	Name (first and last) JEFF GOUVEIA		Title GENERAL MANAGER		Phone number (209) 753-2112			
Email address Jeff.Gouveia@bvwd.ca.gov								
2.4	<b>Facility Mailing Address</b>							
Street or P.O. box PO BOX 5027								
City or town BEAR VALLEY		State CA		ZIP code 95223				

EPA Identification Number CA 0085146		NPDES Permit Number R5-2016-0045-02		Facility Name BEAR VALLEY WWTF		Form Approved 03/05/19 OMB No. 2040-0004	
Name, Mailing Address, and Location Continued	2.5	<b>Facility Location</b>					
		Street, route number, or other specific identifier 38° 27' 14.5"N 120° 02' 11.5"W					
		County name ALPINE		County code (if known)			
		City or town BEAR VALLEY		State CA		ZIP code 95223	
<b>SECTION 3. SIC AND NAICS CODES (40 CFR 122.21(f)(3))</b>							
SIC and NAICS Codes	3.1	<b>SIC Code(s)</b>		<b>Description (optional)</b>			
	3.2	<b>NAICS Code(s)</b>		<b>Description (optional)</b>			
<b>SECTION 4. OPERATOR INFORMATION (40 CFR 122.21(f)(4))</b>							
Operator Information	4.1	<b>Name of Operator</b>					
		GUY WEST, CHIEF PLANT OPERATOR					
	4.2	Is the name you listed in Item 4.1 also the owner? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	4.3	<b>Operator Status</b>					
		<input type="checkbox"/> Public—federal <input checked="" type="checkbox"/> Public—state <input type="checkbox"/> Other public (specify) _____ <input type="checkbox"/> Private <input type="checkbox"/> Other (specify) _____					
4.4	<b>Phone Number of Operator</b>						
		(209) 753-2112					
Operator Information Continued	4.5	<b>Operator Address</b>					
		Street or P.O. Box PO BOX 5027					
		City or town BEAR VALLEY		State CA		ZIP code 95223	
		Email address of operator Guy.West@bvwd.ca.gov					
<b>SECTION 5. INDIAN LAND (40 CFR 122.21(f)(5))</b>							
Indian Land	5.1	Is the facility located on Indian Land? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					

EPA Identification Number CA 0085146	NPDES Permit Number R5-2016-0045-02	Facility Name BEAR VALLEY WWTF	Form Approved 03/05/19 OMB No. 2040-0004
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SECTION 6. EXISTING ENVIRONMENTAL PERMITS (40 CFR 122.21(f)(6))

Existing Environmental Permits	6.1	<b>Existing Environmental Permits</b> (check all that apply and print or type the corresponding permit number for each)		
		<input checked="" type="checkbox"/> NPDES (discharges to surface water) <u>R5-2016-0045-02</u>	<input type="checkbox"/> RCRA (hazardous wastes) _____	<input type="checkbox"/> UIC (underground injection of fluids) _____
		<input type="checkbox"/> PSD (air emissions) _____	<input type="checkbox"/> Nonattainment program (CAA) _____	<input type="checkbox"/> NESHAPs (CAA) _____
		<input type="checkbox"/> Ocean dumping (MPRSA) _____	<input type="checkbox"/> Dredge or fill (CWA Section 404) _____	<input checked="" type="checkbox"/> Other (specify) <u>WDR No. 5-01-208</u>

SECTION 7. MAP (40 CFR 122.21(f)(7))

Map	7.1	Have you attached a topographic map containing all required information to this application? (See instructions for specific requirements.)  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> CAFO—Not Applicable (See requirements in Form 2B.)
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SECTION 8. NATURE OF BUSINESS (40 CFR 122.21(f)(8))

Nature of Business	8.1	Describe the nature of your business.  WASTEWATER COLLETION, TREATMENT AND DISPOSAL
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SECTION 9. COOLING WATER INTAKE STRUCTURES (40 CFR 122.21(f)(9))

Cooling Water Intake Structures	9.1	Does your facility use cooling water?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 10.1.
	9.2	Identify the source of cooling water. (Note that facilities that use a cooling water intake structure as described at 40 CFR 125, Subparts I and J may have additional application requirements at 40 CFR 122.21(r). Consult with your NPDES permitting authority to determine what specific information needs to be submitted and when.)




  

SECTION 10. VARIANCE REQUESTS (40 CFR 122.21(f)(10))

Variance Requests	10.1	Do you intend to request or renew one or more of the variances authorized at 40 CFR 122.21(m)? (Check all that apply. Consult with your NPDES permitting authority to determine what information needs to be submitted and when.)  <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Fundamentally different factors (CWA Section 301(n))         </div> <div style="width: 50%;"> <input type="checkbox"/> Water quality related effluent limitations (CWA Section 302(b)(2))         </div> <div style="width: 50%;"> <input type="checkbox"/> Non-conventional pollutants (CWA Section 301(c) and (g))         </div> <div style="width: 50%;"> <input type="checkbox"/> Thermal discharges (CWA Section 316(a))         </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Not applicable         </div> </div>
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EPA Identification Number CA 0085146	NPDES Permit Number R5-2016-0045-02	Facility Name BEAR VALLEY WWTF	Form Approved 03/05/19 OMB No. 2040-0004
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**SECTION 11. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))**

<b>Checklist and Certification Statement</b>	11.1	In Column 1 below, mark the sections of Form 1 that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.				
		<b>Column 1</b>	<b>Column 2</b>			
	<input checked="" type="checkbox"/>	Section 1: Activities Requiring an NPDES Permit	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 2: Name, Mailing Address, and Location	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 3: SIC Codes	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 4: Operator Information	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 5: Indian Land	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 6: Existing Environmental Permits	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 7: Map	<input checked="" type="checkbox"/> w/ topographic map <input checked="" type="checkbox"/> w/ additional attachments			
	<input checked="" type="checkbox"/>	Section 8: Nature of Business	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 9: Cooling Water Intake Structures	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 10: Variance Requests	<input type="checkbox"/> w/ attachments			
	<input checked="" type="checkbox"/>	Section 11: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments			
	11.2	<p><b>Certification Statement</b></p> <p><i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i></p> <table border="1"> <tr> <td>Name (print or type first and last name) JEFF GOUVEIA</td> <td>Official title GENERAL MANAGER</td> </tr> <tr> <td>Signature </td> <td>Date signed 06/19/2020</td> </tr> </table>		Name (print or type first and last name) JEFF GOUVEIA	Official title GENERAL MANAGER	Signature 
Name (print or type first and last name) JEFF GOUVEIA	Official title GENERAL MANAGER					
Signature 	Date signed 06/19/2020					

BEAR VALLEY WATER DISTRICT REPORT OF WASTE DISCHARGE

STATE WATER RESOURCES CONTROL BOARD - FORM 200



State of California  
Regional Water Quality Control Board

APPLICATION/REPORT OF WASTE DISCHARGE  
GENERAL INFORMATION FORM FOR  
WASTE DISCHARGE REQUIREMENTS OR NPDES PERMIT

**I. FACILITY INFORMATION**

**A. FACILITY:**

Name BEAR VALLEY WATER DISTRICT  
Address 441 CREEKSIDE DRIVE  
City/County/State/Zip Code BEAR VALLEY / ALPINE / CA / 95223  
Contact Person JEFF GOUVEIA  
Telephone Number 209.753.2112 Email Jeff.Gouveia@bvwd.ca.gov

**B. FACILITY OWNER:**

Name BEAR VALLEY WATER DISTRICT  
Address PO BOX 5027  
City/State/Zip Code BEAR VALLEY / CA / 95223  
Contact Person JEFF GOUVEIA  
Telephone Number 209.753.2112 Email Jeff.Gouveia@bvwd.ca.gov  
Federal Tax ID 94-6333359

Owner Type (*Mark one*):

- ☐ Individual ☐ Corporation ☐ Governmental Agency ☐ Partnership  
☒ Other: SPECIAL DISTRICT

**C. FACILITY OPERATOR (*The agency or business, not the person*):**

Name BEAR VALLEY WATER DISTRICT  
Address PO BOX 5027  
City/State/Zip Code BEAR VALLEY / CA / 95223  
Contact Person JEFF GOUVEIA  
Telephone Number 209.753.2112 Email Jeff.Gouveia@bvwd.ca.gov

Operator Type (*Mark one*):

- ☐ Individual ☐ Corporation ☐ Governmental Agency ☐ Partnership  
☒ Other: SPECIAL DISTRICT

**D. OWNER OF THE LAND**Name C. BRUCE ORVIS, TBH PARTNERS, AND USFS (SEE SUPPLEMENT TO FORM 200)

Address \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_

Contact Person \_\_\_\_\_

Telephone Number \_\_\_\_\_ Email \_\_\_\_\_

Owner Type (*Mark one*):☐ Individual ☐ Corporation ☐ Governmental Agency ☐ Partnership☒ Other: \_\_\_\_\_**E. ADDRESS WHERE LEGAL NOTICE MAY BE SERVED**Address 441 CREEKSIDE DRIVECity/State/Zip Code BEAR VALLEY / CA / 95223Contact Person JEFF GOUVEIATelephone Number 209.753.2112 Email Jeff.Gouveia@bvwd.ca.gov**F. BILLING ADDRESS**Address PO BOX 5027City/State/Zip Code BEAR VALLEY / CA / 95223Contact Person JEFF GOUVEIATelephone Number 209.753.2112 Email Jeff.Gouveia@bvwd.ca.gov**II. TYPE OF DISCHARGE***Check Type of Discharge(s) Described in this Application:*☐ **Waste Discharge to Land**☒ **Waste Discharge to Surface Water***Check all that apply:*☐ Animal or Aquacultural Wastewater☐ Land Treatment Unit☐ Animal Waste Solids☐ Landfill (*see instructions*)☐ Biosolids/Residual☐ Mining☐ Cooling Water☐ Storm Water☒ Domestic/ Municipal Wastewater  
Treatment and Disposal☐ Surface Impoundment☐ Dredge Material Disposal☐ Waste Pile☐ Hazardous Waste (*see instructions*)☐ Wastewater Reclamation☐ Industrial Process Wastewater☐ Other, *please describe* \_\_\_\_\_

### III. LOCATION OF THE FACILITY

*Describe the physical location of the facility:*

1. Assessor's Parcel Number(s)

Facility: SEC. 18-19, T7N, R18E

Discharge Point: SEC. 18, T7N, R18E

2. Latitude

Facility: 38° 27' 14.5" N

Discharge Point: 38° 27' 25" N

3. Longitude

Facility: 120° 02' 11.5" W

Discharge Point: 120° 02' 13" W

### IV. REASON FOR FILING

*Check all that apply:*

- ☐ New Discharge or Facility
- ☐ Change in Design or Operation
- ☐ Change in Quantity/Type of Discharge
- ☐ Changes in Ownership/Operator (see instructions)
- ☒ Waste Discharge Requirements Update or NPDES Permit Reissuance
- ☐ Other: \_\_\_\_\_

### V. CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

Name of Lead Agency N/A - EXISTING FACILITY & DISCHARGE

*Has a public agency determined that the proposed project is exempt from CEQA?*

☐ Yes ☐ No

*If yes, state the basis for the exemption and the name of the agency supplying the exemption on the line below:*

\_\_\_\_\_  
\_\_\_\_\_

*Has a "Notice of Determination" been filed under CEQA?*

☐ Yes ☐ No

*If Yes, enclose a copy of the CEQA document, Environmental Impact Report (EIR), or Negative Declaration. If No, identify the expected type of CEQA document and expected date of completion.*

Expected CEQA Documents: ☐ EIR ☐ Negative Declaration

Expected CEQA Completion Date: \_\_\_\_\_

## **VI. OTHER REQUIRED INFORMATION**

Please provide a COMPLETE characterization of your discharge. A complete characterization includes, but is not limited to, design and actual flows, a list of constituents and the discharge concentration of each constituent, a list of other appropriate waste discharge characteristics, a description and schematic drawing of all treatment processes, a description of any Best Management Practices (BMPs) used, and a description of disposal methods.

Also include a site map showing the location of the facility and, if you are submitting this application for an NPDES permit, identify the surface water to which you propose to discharge. Please try to limit your maps to a scale of 1:24,000 (7.5' USGS Quadrangle) or a street map, if more appropriate.

## **VII. OTHER**

*Attach additional sheets to explain any responses which need clarification. List attachments with titles and dates below:*

SEE FORM 2A (SECTION 3.0) FOR EFFLUENT DISCHARGE CHARACTERIZATION.

SEE SECTION 4.0 FOR A SITE MAP, TREATMENT PROCESS DESCRIPTION AND FLOW SCHEMATIC.

You will be notified by a representative of the RWQCB within 30 days of receipt of your application. The notice will state if your application is complete or if there is additional information you must submit to complete your Application/Report of Waste Discharge, pursuant to Division 7, Section 13260 of the California Water Code.

## **VIII. CERTIFICATION**

"I certify under penalty of law that this document, including all attachments and supplemental information, were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

Print Name JEFF GOUVEIA Title GENERAL MANAGER  
Signature [Signature] Date 6 - 19 -2020

## **FOR OFFICE USE ONLY**

Date Form 200 Received:	Letter to Discharger:	Fee Amount Received:	Check #:
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## BEAR VALLEY WATER DISTRICT REPORT OF WASTE DISCHARGE

### Supplement to Form 200

#### I. Facility Information, D. Owner of the Land:

APN: 005-010-009, 005-010-019, and 005-010-012

C. Bruce Orvis  
9601 State Route #4  
Farmington, CA 95230  
(209) 246-3691


TBH Partners  
Charles J. Toeniskoetter  
1980 The Alameda, Suite 20  
San Jose, CA 95126  
(408) 246-3691

United States Forest Service  
Stanislaus National Forest  
19777 Greenley Road  
Sonora, CA 95370  
(209) 532-3671

United States Forest Service  
Stanislaus National Forest  
Calaveras Ranger District  
P.O. Box 500  
Hathaway Pines, CA 95233  
(209) 795-1381



U.S. EPA FORM 2A

EPA Identification Number CA 0085146		NPDES Permit Number R5-2016-0045-02		Facility Name BEAR VALLEY WWTF		Form Approved 03/05/19 OMB No. 2040-0004							
Form 2A NPDES			<b>U.S. Environmental Protection Agency</b> <b>Application for NPDES Permit to Discharge Wastewater</b> <b>NEW AND EXISTING PUBLICLY OWNED TREATMENT WORKS</b>										
<b>SECTION 1. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS (40 CFR 122.21(j)(1) and (9))</b>													
<b>Facility Information</b>	1.1	Facility name BEAR VALLEY WATER DISTRICT											
		Mailing address (street or P.O. box) PO BOX 5027											
		City or town BEAR VALLEY			State CA		ZIP code 95223						
		Contact name (first and last) JEFF GOUVEIA		Title GENERAL MANAGER	Phone number (209) 753-2112		Email address Jeff.Gouveia@bvwd.ca.gov						
		Location address (street, route number, or other specific identifier) <input type="checkbox"/> Same as mailing address 441 CREEKSIDE DRIVE											
		City or town BEAR VALLEY			State CA		ZIP code 95223						
	<b>Applicant Information</b>	1.2	Is this application for a facility that has yet to commence discharge? <input type="checkbox"/> Yes → See instructions on data submission requirements for new dischargers. <input checked="" type="checkbox"/> No										
Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.4.													
						Applicant name							
						Applicant address (street or P.O. box)							
						City or town			State		ZIP code		
1.3		Contact name (first and last)		Title	Phone number		Email address						
		1.4	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Both										
	1.5		To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Facility and applicant (they are one and the same)										
<b>Existing Environmental Permits</b>		1.6	Indicate below any existing environmental permits. (Check all that apply and print or type the corresponding permit number for each.)										
	<b>Existing Environmental Permits</b>												
	<input checked="" type="checkbox"/> NPDES (discharges to surface water) CA 0085146		<input type="checkbox"/> RCRA (hazardous waste)		<input type="checkbox"/> UIC (underground injection control)								
	<input type="checkbox"/> PSD (air emissions)		<input type="checkbox"/> Nonattainment program (CAA)		<input type="checkbox"/> NESHAPs (CAA)								
	<input type="checkbox"/> Ocean dumping (MPRSA)		<input type="checkbox"/> Dredge or fill (CWA Section 404)		<input checked="" type="checkbox"/> Other (specify) WDR NO. 5-01-208								

EPA Identification Number CA 0085146		NPDES Permit Number R5-2016-0045-02		Facility Name BEAR VALLEY WWTF		Form Approved 03/05/19 OMB No. 2040-0004	
Collection System and Population Served	1.7	Provide the collection system information requested below for the treatment works.					
		<b>Municipality Served</b>	<b>Population Served</b>	<b>Collection System Type</b> (indicate percentage)		<b>Ownership Status</b>	
		BEAR VALLEY	121	<u>88.4</u>	% separate sanitary sewer	<input checked="" type="checkbox"/> Own	<input type="checkbox"/> Maintain
					% combined storm and sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain
				<input type="checkbox"/>	Unknown	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain
		LAKE ALPINE / USFS	SEASONAL	<u>9.3</u>	% separate sanitary sewer	<input checked="" type="checkbox"/> Own	<input type="checkbox"/> Maintain
					% combined storm and sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain
				<input type="checkbox"/>	Unknown	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain
BV MOUNTAIN RESORT	RESORT	<u>2.3</u>	% separate sanitary sewer	<input checked="" type="checkbox"/> Own	<input type="checkbox"/> Maintain		
			% combined storm and sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain		
		<input type="checkbox"/>	Unknown	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain		
			% separate sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain		
			% combined storm and sanitary sewer	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain		
		<input type="checkbox"/>	Unknown	<input type="checkbox"/> Own	<input type="checkbox"/> Maintain		
<b>Total Population Served</b>	121 PERMANENT						
		<b>Separate Sanitary Sewer System</b>		<b>Combined Storm and Sanitary Sewer</b>			
Total percentage of each type of sewer line (in miles)		100 %		%			
Indian Country	1.8	Is the treatment works located in Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	1.9	Does the facility discharge to a receiving water that flows through Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Design and Actual Flow Rates	1.10	Provide design <i>and</i> actual flow rates in the designated spaces.				<b>Design Flow Rate</b>	
						0.500 (ADWF) mgd	
		<b>Annual Average Flow Rates (Actual)</b>					
		<b>Two Years Ago</b>		<b>Last Year</b>		<b>This Year</b>	
		0.099 mgd		0.059 mgd		0.069 mgd	
		<b>Maximum Daily Flow Rates (Actual)</b>					
		<b>Two Years Ago</b>		<b>Last Year</b>		<b>This Year</b>	
		1.603 mgd		0.413 mgd		0.320 mgd	
Discharge Points by Type	1.11	Provide the total number of effluent discharge points to waters of the United States by type.					
		<b>Total Number of Effluent Discharge Points by Type</b>					
		<b>Treated Effluent</b>	<b>Untreated Effluent</b>	<b>Combined Sewer Overflows</b>	<b>Bypasses</b>	<b>Constructed Emergency Overflows</b>	
	1						

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<b>Outfalls and Other Discharge or Disposal Methods</b>	<b>Outfalls Other Than to Waters of the United States</b>				
	1.12	Does the POTW discharge wastewater to basins, ponds, or other surface impoundments that do not have outlets for discharge to waters of the United States? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 1.14.			
	1.13	Provide the location of each surface impoundment and associated discharge information in the table below.			
	<b>Surface Impoundment Location and Discharge Data</b>				
		Location	Average Daily Volume Discharged to Surface Impoundment	Continuous or Intermittent (check one)	
		38° 27' 14.5"N 120° 02' 11.5"W	0.093 (2017 - 2019) gpd	<input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent	
			gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	
			gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	
	1.14	Is wastewater applied to land? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 1.16.			
	1.15	Provide the land application site and discharge data requested below.			
	<b>Land Application Site and Discharge Data</b>				
		Location	Size	Average Daily Volume Applied	Continuous or Intermittent (check one)
		PER WDR NO. 5-01-208	~80 acres	.054 gpd	<input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent
			acres	gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
			acres	gpd	<input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent
1.16	Is effluent transported to another facility for treatment prior to discharge? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.21.				
1.17	Describe the means by which the effluent is transported (e.g., tank truck, pipe).				
1.18	Is the effluent transported by a party other than the applicant? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 1.20.				
1.19	Provide information on the transporter below.				
<b>Transporter Data</b>					
Entity name		Mailing address (street or P.O. box)			
City or town		State	ZIP code		
Contact name (first and last)		Title			
Phone number		Email address			





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<b>SECTION 2. ADDITIONAL INFORMATION (40 CFR 122.21(j)(1) and (2))</b>							
<b>Design Flow</b>	<b>Outfalls to Waters of the United States</b>						
	2.1	Does the treatment works have a design flow greater than or equal to 0.1 mgd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 3.					
<b>Inflow and Infiltration</b>	2.2	Provide the treatment works' current average daily volume of inflow and infiltration.				<b>Average Daily Volume of Inflow and Infiltration</b> 22,911 gpd	
	Indicate the steps the facility is taking to minimize inflow and infiltration. SSMP, JETTING, FLUSHING, CLEANING, CCTV INSPECTION, REPAIRS, REPLACEMENT						
<b>Topographic Map</b>	2.3	Have you attached a topographic map to this application that contains all the required information? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<b>Flow Diagram</b>	2.4	Have you attached a process flow diagram or schematic to this application that contains all the required information? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<b>Scheduled Improvements and Schedules of Implementation</b>	2.5	Are improvements to the facility scheduled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 3.					
	Briefly list and describe the scheduled improvements.						
	1.						
	2.						
	3.						
	4.						
	2.6	Provide scheduled or actual dates of completion for improvements.					
	<b>Scheduled or Actual Dates of Completion for Improvements</b>						
		<b>Scheduled Improvement (from above)</b>	<b>Affected Outfalls (list outfall number)</b>	<b>Begin Construction (MM/DD/YYYY)</b>	<b>End Construction (MM/DD/YYYY)</b>	<b>Begin Discharge (MM/DD/YYYY)</b>	<b>Attainment of Operational Level (MM/DD/YYYY)</b>
		1.					
	2.						
	3.						
	4.						
2.7	Have appropriate permits/clearances concerning other federal/state requirements been obtained? Briefly explain your response. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> None required or applicable						
Explanation:							

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<b>SECTION 3. INFORMATION ON EFFLUENT DISCHARGES (40 CFR 122.21(j)(3) to (5))</b>							
<b>Description of Outfalls</b>	3.1	Provide the following information for each outfall. (Attach additional sheets if you have more than three outfalls.)					
		<b>Outfall Number</b> 001		<b>Outfall Number</b> _____		<b>Outfall Number</b> _____	
	State	CA					
	County	ALPINE					
	City or town	BEAR VALLEY					
	Distance from shore	~ 4 ft.				ft.	
	Depth below surface	~ 2 ft.				ft.	
	Average daily flow rate	0.775 mgd				mgd	
	Latitude	38° 27' 25" N		° ' "		° ' "	
	Longitude	120° 02' 13" W		° ' "		° ' "	
<b>Seasonal or Periodic Discharge Data</b>	3.2	Do any of the outfalls described under Item 3.1 have seasonal or periodic discharges? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 3.4.					
	3.3	If so, provide the following information for each applicable outfall.					
		<b>Outfall Number</b> 001		<b>Outfall Number</b> _____		<b>Outfall Number</b> _____	
	Number of times per year discharge occurs	0-1					
	Average duration of each discharge (specify units)	74 DAYS (AVG OF 2017-2019)					
	Average flow of each discharge	0.02-1.72 mgd				mgd	
	Months in which discharge occurs	January - June					
<b>Diffuser Type</b>	3.4	Are any of the outfalls listed under Item 3.1 equipped with a diffuser? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 3.6.					
	3.5	Briefly describe the diffuser type at each applicable outfall.					
			<b>Outfall Number</b> _____		<b>Outfall Number</b> _____		<b>Outfall Number</b> _____
<b>Waters of the U.S.</b>	3.6	Does the treatment works discharge or plan to discharge wastewater to waters of the United States from one or more discharge points? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Section 6.					

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Receiving Water Description	3.7	Provide the receiving water and related information (if known) for each outfall.					
			Outfall Number <sup>001</sup> _____	Outfall Number _____	Outfall Number _____		
	Receiving water name	BLOODS CREEK					
	Name of watershed, river, or stream system	STANISLAUS					
	U.S. Soil Conservation Service 14-digit watershed code						
	Name of state management/river basin						
	U.S. Geological Survey 8-digit hydrologic cataloging unit code	18040010					
	Critical low flow (acute)	4.50	cfs		cfs		cfs
	Critical low flow (chronic)	8.90	cfs		cfs		cfs
	Total hardness at critical low flow	13.00	mg/L of CaCO <sub>3</sub>		mg/L of CaCO <sub>3</sub>		mg/L of CaCO <sub>3</sub>
Treatment Description	3.8	Provide the following information describing the treatment provided for discharges from each outfall.					
			Outfall Number <sup>001</sup> _____	Outfall Number _____	Outfall Number _____		
	Highest Level of Treatment (check all that apply per outfall)	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input checked="" type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify) _____	<input type="checkbox"/> Primary <input type="checkbox"/> Equivalent to secondary <input type="checkbox"/> Secondary <input type="checkbox"/> Advanced <input type="checkbox"/> Other (specify) _____			
	Design Removal Rates by Outfall						
	BOD <sub>5</sub> or CBOD <sub>5</sub>	85	%		%	%	
	TSS	85	%		%	%	
	Phosphorus	<input checked="" type="checkbox"/> Not applicable	%	<input type="checkbox"/> Not applicable	%	<input type="checkbox"/> Not applicable %	
	Nitrogen	<input checked="" type="checkbox"/> Not applicable	%	<input type="checkbox"/> Not applicable	%	<input type="checkbox"/> Not applicable %	
	Other (specify) _____	<input checked="" type="checkbox"/> Not applicable	%	<input type="checkbox"/> Not applicable	%	<input type="checkbox"/> Not applicable %	

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<b>Treatment Description Continued</b>	3.9	Describe the type of disinfection used for the effluent from each outfall in the table below. If disinfection varies by season, describe below. CHLORINATION					
			Outfall Number <u>001</u>	Outfall Number _____	Outfall Number _____		
		Disinfection type	CHLORINATION				
		Seasons used	SNOWMELT RUNOFF SEASON				
		Dechlorination used?	<input type="checkbox"/> Not applicable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Not applicable <input type="checkbox"/> Yes <input type="checkbox"/> No		

<b>Effluent Testing Data</b>	3.10	Have you completed monitoring for all Table A parameters and attached the results to the application package? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No</span>						
	3.11	Have you conducted any WET tests during the 4.5 years prior to the date of the application on any of the facility's discharges or on any receiving water near the discharge points? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No → SKIP to Item 3.13.</span>						
	3.12	Indicate the number of acute and chronic WET tests conducted since the last permit reissuance of the facility's discharges by outfall number or of the receiving water near the discharge points.						
			Outfall Number <u>001</u>	Outfall Number _____	Outfall Number _____			
			Acute	Chronic	Acute	Chronic	Acute	Chronic
		Number of tests of discharge water	3	1				
		Number of tests of receiving water	3	1				
	3.13	Does the treatment works have a design flow greater than or equal to 0.1 mgd? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No → SKIP to Item 3.16.</span>						
	3.14	Does the POTW use chlorine for disinfection, use chlorine elsewhere in the treatment process, or otherwise have reasonable potential to discharge chlorine in its effluent? <input checked="" type="checkbox"/> Yes → Complete Table B, including chlorine. <span style="margin-left: 50px;"><input type="checkbox"/> No → Complete Table B, omitting chlorine.</span>						
	3.15	Have you completed monitoring for all applicable Table B pollutants and attached the results to this application package? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No</span>						
3.16	Does one or more of the following conditions apply? <ul style="list-style-type: none"> <li>The facility has a design flow greater than or equal to 1 mgd.</li> <li>The POTW has an approved pretreatment program or is required to develop such a program.</li> <li>The NPDES permitting authority has informed the POTW that it must sample for the parameters in Table C, must sample other additional parameters (Table D), or submit the results of WET tests for acute or chronic toxicity for each of its discharge outfalls (Table E).</li> </ul> <input checked="" type="checkbox"/> Yes → Complete Tables C, D, and E as applicable. <span style="margin-left: 100px;"><input type="checkbox"/> No → SKIP to Section 4.</span>							
3.17	Have you completed monitoring for all applicable Table C pollutants and attached the results to this application package? <input checked="" type="checkbox"/> Yes <span style="margin-left: 100px;"><input type="checkbox"/> No</span>							
3.18	Have you completed monitoring for all applicable Table D pollutants required by your NPDES permitting authority and attached the results to this application package? <input type="checkbox"/> Yes <span style="margin-left: 100px;"><input checked="" type="checkbox"/> No additional sampling required by NPDES permitting authority.</span>							

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<b>Effluent Testing Data Continued</b>	3.19	Has the POTW conducted either (1) minimum of four quarterly WET tests for one year preceding this permit application or (2) at least four annual WET tests in the past 4.5 years? <input type="checkbox"/> Yes <span style="margin-left: 150px;"><input checked="" type="checkbox"/> No → Complete tests and Table E and SKIP to Item 3.26.</span>				
	3.20	Have you previously submitted the results of the above tests to your NPDES permitting authority? <input checked="" type="checkbox"/> Yes <span style="margin-left: 150px;"><input type="checkbox"/> No → Provide results in Table E and SKIP to Item 3.26.</span>				
	3.21	Indicate the dates the data were submitted to your NPDES permitting authority and provide a summary of the results. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width: 45%;">Date(s) Submitted (MM/DD/YYYY)</th> <th style="width: 55%;">Summary of Results</th> </tr> <tr> <td style="text-align: center; height: 40px;">04/03/2017</td> <td>           ACUTE EFFECTS: 100 % SURVIVAL IN THE EFFLUENT            CHRONIC EFFECTS: 100% SURVIVAL &amp; REPRODUCTION         </td> </tr> </table>	Date(s) Submitted (MM/DD/YYYY)	Summary of Results	04/03/2017	ACUTE EFFECTS: 100 % SURVIVAL IN THE EFFLUENT CHRONIC EFFECTS: 100% SURVIVAL & REPRODUCTION
	Date(s) Submitted (MM/DD/YYYY)	Summary of Results				
	04/03/2017	ACUTE EFFECTS: 100 % SURVIVAL IN THE EFFLUENT CHRONIC EFFECTS: 100% SURVIVAL & REPRODUCTION				
	3.22	Regardless of how you provided your WET testing data to the NPDES permitting authority, did any of the tests result in toxicity? <input type="checkbox"/> Yes <span style="margin-left: 150px;"><input checked="" type="checkbox"/> No → SKIP to Item 3.26.</span>				
	3.23	Describe the cause(s) of the toxicity:				
	3.24	Has the treatment works conducted a toxicity reduction evaluation? <input type="checkbox"/> Yes <span style="margin-left: 150px;"><input checked="" type="checkbox"/> No → SKIP to Item 3.26.</span>				
3.25	Provide details of any toxicity reduction evaluations conducted.					
3.26	Have you completed Table E for all applicable outfalls and attached the results to the application package? <input type="checkbox"/> Yes <span style="margin-left: 150px;"><input checked="" type="checkbox"/> Not applicable because previously submitted information to the NPDES permitting authority.</span>					

<b>SECTION 4. INDUSTRIAL DISCHARGES AND HAZARDOUS WASTES (40 CFR 122.21(j)(6) and (7))</b>	
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<b>Industrial Discharges and Hazardous Wastes</b>	4.1	Does the POTW receive discharges from SIUs or NSCIUs? <input type="checkbox"/> Yes <span style="margin-left: 150px;"><input checked="" type="checkbox"/> No → SKIP to Item 4.7.</span>				
	4.2	Indicate the number of SIUs and NSCIUs that discharge to the POTW. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <th style="width: 50%;">Number of SIUs</th> <th style="width: 50%;">Number of NSCIUs</th> </tr> <tr> <td style="height: 30px;"></td> <td></td> </tr> </table>	Number of SIUs	Number of NSCIUs		
	Number of SIUs	Number of NSCIUs				
	4.3	Does the POTW have an approved pretreatment program? <input type="checkbox"/> Yes <span style="margin-left: 150px;"><input type="checkbox"/> No</span>				
	4.4	Have you submitted either of the following to the NPDES permitting authority that contains information substantially identical to that required in Table F: (1) a pretreatment program annual report submitted within one year of the application or (2) a pretreatment program? <input type="checkbox"/> Yes <span style="margin-left: 150px;"><input type="checkbox"/> No → SKIP to Item 4.6.</span>				
4.5	Identify the title and date of the annual report or pretreatment program referenced in Item 4.4. SKIP to Item 4.7.					
4.6	Have you completed and attached Table F to this application package? <input type="checkbox"/> Yes <span style="margin-left: 150px;"><input type="checkbox"/> No</span>					



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<b>Industrial Discharges and Hazardous Wastes Continued</b>	4.7	Does the POTW receive, or has it been notified that it will receive, by truck, rail, or dedicated pipe, any wastes that are regulated as RCRA hazardous wastes pursuant to 40 CFR 261?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 4.9.			
	4.8	If yes, provide the following information:			
		<b>Hazardous Waste Number</b>	<b>Waste Transport Method</b> (check all that apply)	<b>Annual Amount of Waste Received</b>	<b>Units</b>
		<input type="checkbox"/> Truck <input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Rail <input type="checkbox"/> Other (specify) _____ _____		
		<input type="checkbox"/> Truck <input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Rail <input type="checkbox"/> Other (specify) _____ _____		
		<input type="checkbox"/> Truck <input type="checkbox"/> Dedicated pipe	<input type="checkbox"/> Rail <input type="checkbox"/> Other (specify) _____ _____		
	4.9	Does the POTW receive, or has it been notified that it will receive, wastewaters that originate from remedial activities, including those undertaken pursuant to CERCLA and Sections 3004(7) or 3008(h) of RCRA?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 5.			
	4.10	Does the POTW receive (or expect to receive) less than 15 kilograms per month of non-acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e)?  <input type="checkbox"/> Yes → SKIP to Section 5. <input type="checkbox"/> No			
4.11	Have you reported the following information in an attachment to this application: identification and description of the site(s) or facility(ies) at which the wastewater originates; the identities of the wastewater's hazardous constituents; and the extent of treatment, if any, the wastewater receives or will receive before entering the POTW?  <input type="checkbox"/> Yes <input type="checkbox"/> No				
<b>SECTION 5. COMBINED SEWER OVERFLOWS (40 CFR 122.21(j)(8))</b>					
<b>CSO Map and Diagram</b>	5.1	Does the treatment works have a combined sewer system?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Section 6.			
	5.2	Have you attached a CSO system map to this application? (See instructions for map requirements.)  <input type="checkbox"/> Yes <input type="checkbox"/> No			
	5.3	Have you attached a CSO system diagram to this application? (See instructions for diagram requirements.)  <input type="checkbox"/> Yes <input type="checkbox"/> No			

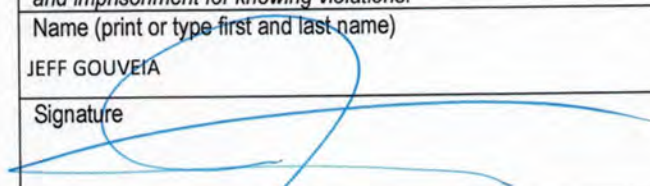
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CSO Outfall Description	5.4	For each CSO outfall, provide the following information. (Attach additional sheets as necessary.)					
		CSO Outfall Number ____		CSO Outfall Number ____		CSO Outfall Number ____	
	City or town						
	State and ZIP code						
	County						
	Latitude	° ' "		° ' "		° ' "	
	Longitude	° ' "		° ' "		° ' "	
	Distance from shore	ft.		ft.		ft.	
	Depth below surface	ft.		ft.		ft.	
CSO Monitoring	5.5	Did the POTW monitor any of the following items in the past year for its CSO outfalls?					
		CSO Outfall Number ____		CSO Outfall Number ____		CSO Outfall Number ____	
	Rainfall	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	CSO flow volume	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	CSO pollutant concentrations	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Receiving water quality	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	CSO frequency	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
	Number of storm events	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
CSO Events in Past Year	5.6	Provide the following information for each of your CSO outfalls.					
		CSO Outfall Number ____		CSO Outfall Number ____		CSO Outfall Number ____	
	Number of CSO events in the past year	events		events		events	
	Average duration per event	hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		hours <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	
	Average volume per event	million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		million gallons <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	
	Minimum rainfall causing a CSO event in last year	inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated		inches of rainfall <input type="checkbox"/> Actual or <input type="checkbox"/> Estimated	

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CSO Receiving Waters	5.7	Provide the information in the table below for each of your CSO outfalls.		
		CSO Outfall Number ____	CSO Outfall Number ____	CSO Outfall Number ____
	Receiving water name			
	Name of watershed/ stream system			
	U.S. Soil Conservation Service 14-digit watershed code (if known)	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown
	Name of state management/river basin			
	U.S. Geological Survey 8-Digit Hydrologic Unit Code (if known)	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown	<input type="checkbox"/> Unknown
	Description of known water quality impacts on receiving stream by CSO (see instructions for examples)			

**SECTION 6. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))**

Checklist and Certification Statement	6.1	In Column 1 below, mark the sections of Form 2A that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.	
		<b>Column 1</b>	<b>Column 2</b>
	<input checked="" type="checkbox"/>	Section 1: Basic Application Information for All Applicants	<input type="checkbox"/> w/ variance request(s) <input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 2: Additional Information	<input checked="" type="checkbox"/> w/ topographic map <input checked="" type="checkbox"/> w/ process flow diagram <input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 3: Information on Effluent Discharges	<input type="checkbox"/> w/ Table A <input type="checkbox"/> w/ Table D <input type="checkbox"/> w/ Table B <input type="checkbox"/> w/ Table E <input type="checkbox"/> w/ Table C <input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 4: Industrial Discharges and Hazardous Wastes	<input type="checkbox"/> w/ SIU and NSCIU attachments <input type="checkbox"/> w/ Table F <input type="checkbox"/> w/ additional attachments
	<input checked="" type="checkbox"/>	Section 5: Combined Sewer Overflows	<input type="checkbox"/> w/ CSO map <input type="checkbox"/> w/ additional attachments <input type="checkbox"/> w/ CSO system diagram
	<input checked="" type="checkbox"/>	Section 6: Checklist and Certification Statement	<input type="checkbox"/> w/ attachments
	6.2	<b>Certification Statement</b>	
		<p><i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i></p>	
	Name (print or type first and last name)	Official title	
	JEFF GOUVEIA	GENERAL MANAGER	
	Signature	Date signed	
		06/19/2020	

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**TABLE A. EFFLUENT PARAMETERS FOR ALL POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Biochemical oxygen demand <input type="checkbox"/> BOD <sub>5</sub> or <input type="checkbox"/> CBOD <sub>5</sub> (report one)				SEE CIWQS			<input type="checkbox"/> ML <input type="checkbox"/> MDL
Fecal coliform							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Design flow rate							
pH (minimum)							
pH (maximum)							
Temperature (winter)							
Temperature (summer)							
Total suspended solids (TSS)							<input type="checkbox"/> ML <input type="checkbox"/> MDL

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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**TABLE B. EFFLUENT PARAMETERS FOR ALL POTWS WITH A FLOW EQUAL TO OR GREATER THAN 0.1 MGD**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Ammonia (as N)				SEE CIWQS			<input type="checkbox"/> ML <input type="checkbox"/> MDL
Chlorine (total residual, TRC) <sup>2</sup>							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Dissolved oxygen							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Nitrate/nitrite							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Kjeldahl nitrogen							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Oil and grease							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Phosphorus							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Total dissolved solids							<input type="checkbox"/> ML <input type="checkbox"/> MDL

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

<sup>2</sup> Facilities that do not use chlorine for disinfection, do not use chlorine elsewhere in the treatment process, and have no reasonable potential to discharge chlorine in their effluent are not required to report data for chlorine.



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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

	Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method¹	ML or MDL (include units)
		Value	Units	Value	Units	Number of Samples		
Metals, Cyanide, and Total Phenols								
	Hardness (as CaCO₃)				SEE CIWQS			<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Antimony, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Arsenic, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Beryllium, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Cadmium, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Chromium, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Copper, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Lead, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Mercury, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Nickel, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Selenium, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Silver, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Thallium, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Zinc, total recoverable							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Cyanide							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Total phenolic compounds							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Volatile Organic Compounds								
	Acrolein							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Acrylonitrile							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Benzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
	Bromoform							<input type="checkbox"/> ML <input type="checkbox"/> MDL

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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Carbon tetrachloride							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Chlorobenzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Chlorodibromomethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Chloroethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2-chloroethylvinyl ether							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Chloroform							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Dichlorobromomethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,1-dichloroethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,2-dichloroethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
trans-1,2-dichloroethylene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,1-dichloroethylene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,2-dichloropropane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,3-dichloropropylene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Ethylbenzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Methyl bromide							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Methyl chloride							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Methylene chloride							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,1,2,2-tetrachloroethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Tetrachloroethylene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Toluene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,1,1-trichloroethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,1,2-trichloroethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL

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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Trichloroethylene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Vinyl chloride							<input type="checkbox"/> ML <input type="checkbox"/> MDL
<b>Acid-Extractable Compounds</b>							
p-chloro-m-cresol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2-chlorophenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2,4-dichlorophenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2,4-dimethylphenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
4,6-dinitro-o-cresol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2,4-dinitrophenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2-nitrophenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
4-nitrophenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Pentachlorophenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Phenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2,4,6-trichlorophenol							<input type="checkbox"/> ML <input type="checkbox"/> MDL
<b>Base-Neutral Compounds</b>							
Acenaphthene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Acenaphthylene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Anthracene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Benzidine							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Benzo(a)anthracene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Benzo(a)pyrene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
3,4-benzofluoranthene							<input type="checkbox"/> ML <input type="checkbox"/> MDL

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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
Benzo(ghi)perylene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Benzo(k)fluoranthene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Bis (2-chloroethoxy) methane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Bis (2-chloroethyl) ether							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Bis (2-chloroisopropyl) ether							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Bis (2-ethylhexyl) phthalate							<input type="checkbox"/> ML <input type="checkbox"/> MDL
4-bromophenyl phenyl ether							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Butyl benzyl phthalate							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2-chloronaphthalene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
4-chlorophenyl phenyl ether							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Chrysene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
di-n-butyl phthalate							<input type="checkbox"/> ML <input type="checkbox"/> MDL
di-n-octyl phthalate							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Dibenzo(a,h)anthracene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,2-dichlorobenzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,3-dichlorobenzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,4-dichlorobenzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
3,3-dichlorobenzidine							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Diethyl phthalate							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Dimethyl phthalate							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2,4-dinitrotoluene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
2,6-dinitrotoluene							<input type="checkbox"/> ML <input type="checkbox"/> MDL

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**TABLE C. EFFLUENT PARAMETERS FOR SELECTED POTWS**

Pollutant	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
1,2-diphenylhydrazine							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Fluoranthene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Fluorene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Hexachlorobenzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Hexachlorobutadiene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Hexachlorocyclo-pentadiene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Hexachloroethane							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Indeno(1,2,3-cd)pyrene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Isophorone							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Naphthalene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Nitrobenzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
N-nitrosodi-n-propylamine							<input type="checkbox"/> ML <input type="checkbox"/> MDL
N-nitrosodimethylamine							<input type="checkbox"/> ML <input type="checkbox"/> MDL
N-nitrosodiphenylamine							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Phenanthrene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
Pyrene							<input type="checkbox"/> ML <input type="checkbox"/> MDL
1,2,4-trichlorobenzene							<input type="checkbox"/> ML <input type="checkbox"/> MDL

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR Chapter I, Subchapter N or O. See instructions and 40 CFR 122.21(e)(3).



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**TABLE D. ADDITIONAL POLLUTANTS AS REQUIRED BY NPDES PERMITTING AUTHORITY**

Pollutant (list)	Maximum Daily Discharge		Average Daily Discharge			Analytical Method <sup>1</sup>	ML or MDL (include units)
	Value	Units	Value	Units	Number of Samples		
<input checked="" type="checkbox"/> No additional sampling is required by NPDES permitting authority.							
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL
							<input type="checkbox"/> ML <input type="checkbox"/> MDL

<sup>1</sup> Sampling shall be conducted according to sufficiently sensitive test procedures (i.e., methods) approved under 40 CFR 136 for the analysis of pollutants or pollutant parameters or required under 40 CFR chapter I, subchapter N or O. See instructions and 40 CFR 122.21(e)(3).

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TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY				
The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.				
Test Information				
	Test Number _____	Test Number _____	Test Number _____	Test Number _____
Test species				
Age at initiation of test		SEE CIWQS		
Outfall number				
Date sample collected				
Date test started				
Duration				
Toxicity Test Methods				
Test method number				
Manual title				
Edition number and year of publication				
Page number(s)				
Sample Type				
Check one:	<input type="checkbox"/> Grab <input type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input type="checkbox"/> 24-hour composite	<input type="checkbox"/> Grab <input type="checkbox"/> 24-hour composite	
Sample Location				
Check one:	<input type="checkbox"/> Before Disinfection <input type="checkbox"/> After Disinfection <input type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before Disinfection <input type="checkbox"/> After Disinfection <input type="checkbox"/> After Dechlorination	<input type="checkbox"/> Before disinfection <input type="checkbox"/> After disinfection <input type="checkbox"/> After dechlorination	
Point in Treatment Process				
Describe the point in the treatment process at which the sample was collected for each test.				
Toxicity Type				
Indicate for each test whether the test was performed to assess acute or chronic toxicity, or both. (Check one response.)	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both	<input type="checkbox"/> Acute <input type="checkbox"/> Chronic <input type="checkbox"/> Both	

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### TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY

The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.

	Test Number _____	Test Number _____	Test Number _____
<b>Test Type</b>			
Indicate the type of test performed. (Check one response.)	<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through	<input type="checkbox"/> Static <input type="checkbox"/> Static-renewal <input type="checkbox"/> Flow-through
<b>Source of Dilution Water</b>			
Indicate the source of dilution water. (Check one response.)	<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water	<input type="checkbox"/> Laboratory water <input type="checkbox"/> Receiving water
If laboratory water, specify type.			
If receiving water, specify source.			
<b>Type of Dilution Water</b>			
Indicate the type of dilution water. If salt water, specify "natural" or type of artificial sea salts or brine used.	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)	<input type="checkbox"/> Fresh water <input type="checkbox"/> Salt water (specify)
<b>Percentage Effluent Used</b>			
Specify the percentage effluent used for all concentrations in the test series.			
<b>Parameters Tested</b>			
Check the parameters tested.	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature	<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature
		<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen	<input type="checkbox"/> pH <input type="checkbox"/> Salinity <input type="checkbox"/> Temperature
			<input type="checkbox"/> Ammonia <input type="checkbox"/> Dissolved oxygen
<b>Acute Test Results</b>			
Percent survival in 100% effluent			
LC <sub>50</sub>			
95% confidence interval			
Control percent survival			

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# TABLE E. EFFLUENT MONITORING FOR WHOLE EFFLUENT TOXICITY

The table provides response space for one whole effluent toxicity sample. Copy the table to report additional test results.

	Test Number _____	Test Number _____	Test Number _____
<b>Acute Test Results Continued</b>			
Other (describe)			
<b>Chronic Test Results</b>			
NOEC	%	%	%
IC <sub>25</sub>	%	%	%
Control percent survival	%	%	%
Other (describe)			
<b>Quality Control/Quality Assurance</b>			
Is reference toxicant data available?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Was reference toxicant test within acceptable bounds?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
What date was reference toxicant test run (MM/DD/YYYY)?			
Other (describe)			



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# TABLE F. INDUSTRIAL DISCHARGE INFORMATION

Response space is provided for three SIUs. Copy the table to report information for additional SIUs.

	SIU ____	SIU ____	SIU ____
Name of SIU			
Mailing address (street or P.O. box)			
City, state, and ZIP code			
Description of all industrial processes that affect or contribute to the discharge.			
List the principal products and raw materials that affect or contribute to the SIU's discharge.			
Indicate the average daily volume of wastewater discharged by the SIU.	gpd	gpd	gpd
How much of the average daily volume is attributable to process flow?	gpd	gpd	gpd
How much of the average daily volume is attributable to non-process flow?	gpd	gpd	gpd
Is the SIU subject to local limits?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the SIU subject to categorical standards?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

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# TABLE F. INDUSTRIAL DISCHARGE INFORMATION

Response space is provided for three SIUs. Copy the table to report information for additional SIUs.

	SIU ____	SIU ____	SIU ____
Under what categories and subcategories is the SIU subject?			
Has the POTW experienced problems (e.g., upsets, pass-through interferences) in the past 4.5 years that are attributable to the SIU?	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, describe.			

U.S. EPA FORM 2S

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Form 2S NPDES			<b>U.S. Environmental Protection Agency</b> <b>Application for NPDES Permit for Sewage Sludge Management</b> <b>NEW AND EXISTING TREATMENT WORKS TREATING DOMESTIC SEWAGE</b>						
<b>PRELIMINARY INFORMATION</b>									
Does your facility currently have an effective NPDES permit or have you been directed by your NPDES permitting authority to submit a full Form 2S permit application?									
<input checked="" type="checkbox"/> Yes → Complete Part 2 of application package (begins p. 7). <input type="checkbox"/> No → Complete Part 1 of application package (below).									
<b>PART 1</b>		<b>LIMITED BACKGROUND INFORMATION (40 CFR 122.21(c)(2)(ii))</b>							
Complete this part only if you are a "sludge-only" facility (i.e., a facility that does not currently have, and is not applying for, an NPDES permit for a direct discharge to a surface body of water).									
<b>PART 1, SECTION 1. FACILITY INFORMATION (40 CFR 122.21(c)(2)(ii)(A))</b>									
<b>Facility Information</b>	<b>1.1</b>	Facility name							
		Mailing address (street or P.O. box)							
		City or town			State		ZIP code		
		Contact name (first and last)		Title		Phone number		Email address	
		Location address (street, route number, or other specific identifier)						<input type="checkbox"/> Same as mailing address	
		City or town			State		ZIP code		
	<b>1.2</b>	<b>Ownership Status</b>							
		<input type="checkbox"/> Public—federal <input type="checkbox"/> Public—state <input type="checkbox"/> Other public (specify) _____ <input type="checkbox"/> Private <input type="checkbox"/> Other (specify) _____							
<b>PART 1, SECTION 2. APPLICANT INFORMATION (40 CFR 122.21(c)(2)(ii)(B))</b>									
<b>Applicant Information</b>	<b>2.1</b>	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.3 (Part 1, Section 2).							
	<b>2.2</b>	Applicant name							
		Applicant address (street or P.O. box)							
		City or town			State		ZIP code		
		Contact name (first and last)		Title		Phone number		Email address	
	<b>2.3</b>	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Both							
<b>2.4</b>	To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input type="checkbox"/> Applicant <input type="checkbox"/> Facility and applicant (they are one and the same)								
<b>PART 1, SECTION 3. SEWAGE SLUDGE AMOUNT (40 CFR 122.21(c)(2)(ii)(D))</b>									
<b>Sewage Sludge Amount</b>	<b>3.1</b>	Provide the total dry metric tons per the latest 365-day period of sewage sludge generated, treated, used, and disposed of:							
		<b>Practice</b>					<b>Dry Metric Tons per 365-Day Period</b>		
		Amount generated at the facility							
		Amount treated at the facility							
		Amount used (i.e., received from off site) at the facility							
		Amount disposed of at the facility							

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**PART 1, SECTION 4. POLLUTANT CONCENTRATIONS (40 CFR 122.21(c)(2)(ii)(E))**

<b>Pollutant Concentrations</b>	4.1	<p>Using the table below or a separate attachment, provide existing sewage sludge monitoring data for the pollutants for which limits in sewage sludge have been established in 40 CFR 503 for your facility's expected use or disposal practices. If available, base data on three or more samples taken at least one month apart and no more than 4.5 years old.</p> <p><input type="checkbox"/> Check here if you have provided a separate attachment with this information.</p>																																																																																						
	<table border="1"> <thead> <tr> <th style="text-align: center;">Pollutant</th> <th style="text-align: center;">Concentration (mg/kg dry weight)</th> <th style="text-align: center;">Analytical Method</th> <th style="text-align: center;">Detection Level for Analysis</th> </tr> </thead> <tbody> <tr><td>Arsenic</td><td></td><td></td><td></td></tr> <tr><td>Cadmium</td><td></td><td></td><td></td></tr> <tr><td>Chromium</td><td></td><td></td><td></td></tr> <tr><td>Copper</td><td></td><td></td><td></td></tr> <tr><td>Lead</td><td></td><td></td><td></td></tr> <tr><td>Mercury</td><td></td><td></td><td></td></tr> <tr><td>Molybdenum</td><td></td><td></td><td></td></tr> <tr><td>Nickel</td><td></td><td></td><td></td></tr> <tr><td>Selenium</td><td></td><td></td><td></td></tr> <tr><td>Zinc</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> <tr><td>Other (specify) _____</td><td></td><td></td><td></td></tr> </tbody> </table>				Pollutant	Concentration (mg/kg dry weight)	Analytical Method	Detection Level for Analysis	Arsenic				Cadmium				Chromium				Copper				Lead				Mercury				Molybdenum				Nickel				Selenium				Zinc				Other (specify) _____				Other (specify) _____				Other (specify) _____				Other (specify) _____				Other (specify) _____				Other (specify) _____				Other (specify) _____				Other (specify) _____				Other (specify) _____				Other (specify) _____			
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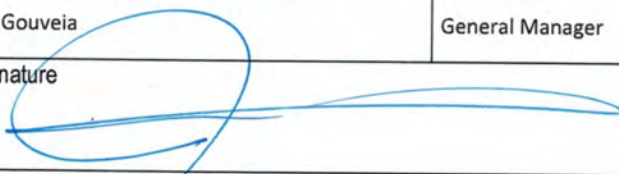
EPA Identification Number CA 0085146	NPDES Permit Number R5-2016-0045-02	Facility Name BEAR VALLEY WWTF	Form Approved 03/05/19 OMB No. 2040-0004
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PART 1, SECTION 7. USE AND DISPOSAL SITES (40 CFR 122.21(c)(2)(ii)(C))

Use and Disposal Sites	Provide the following information for each site on which sewage sludge from this facility is used or disposed of. <input type="checkbox"/> Check here if you have provided separate attachments with this information.			
	7.1	Site name or number		
		Mailing address (street or P.O. box)		
		City or town	State	ZIP code
		Contact name (first and last)	Title	Phone number
		Email address		
		Location address (street, route number, or other specific identifier) <input type="checkbox"/> Same as mailing address		
		City or town	State	ZIP code
	County	County code <input type="checkbox"/> Not available		
	7.2	Site type (check all that apply) <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> Agricultural</div> <div style="width: 33%;"><input type="checkbox"/> Lawn or home garden</div> <div style="width: 33%;"><input type="checkbox"/> Forest</div> <div style="width: 33%;"><input type="checkbox"/> Surface disposal</div> <div style="width: 33%;"><input type="checkbox"/> Public contact</div> <div style="width: 33%;"><input type="checkbox"/> Incineration</div> <div style="width: 33%;"><input type="checkbox"/> Reclamation</div> <div style="width: 33%;"><input type="checkbox"/> Municipal solid waste landfill</div> <div style="width: 33%;"><input type="checkbox"/> Other (describe)</div> </div>		

PART 1, SECTION 8. CHECKLIST AND CERTIFICATION STATEMENT (40 CFR 122.22(a) and (d))

Checklist and Certification Statement	8.1	In Column 1 below, mark the sections of Form 2S, Part 1, that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing to alert the permitting authority. Note that not all applicants are required to provide attachments.	
		Column 1	Column 2
		<input checked="" type="checkbox"/> Section 1: Facility Information	<input checked="" type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 2: Applicant Information	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 3: Sewage Sludge Amount	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 4: Pollutant Concentrations	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 5: Treatment Provided at Your Facility	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 6: Sewage Sludge Sent to Other Facilities	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 7: Use and Disposal Sites	<input type="checkbox"/> w/ attachments
		<input type="checkbox"/> Section 8: Checklist and Certification Statement	

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Checklist and Certification Statement Continued	8.2	<b>Certification Statement</b> <i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i>		
		Name (print or type first and last name) Jeff Gouveia	Official title General Manager	Phone number (209) 753-2112
		Signature 		Date signed 06/19/2020

**PART 1 APPLICANTS STOP HERE.**

**Submit completed application package to your NPDES permitting authority.**

EPA Identification Number CA 0085146	NPDES Permit Number R5-2016-0045-02	Facility Name BEAR VALLEY WWTF	Form Approved 03/05/19 OMB No. 2040-0004
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<b>PART 2</b>	<b>PERMIT APPLICATION INFORMATION (40 CFR 122.21(q))</b>
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Complete this part if you have an effective NPDES permit or have been directed by the NPDES permitting authority to submit a full permit application. In other words, complete this part if your facility has, or is applying for, an NPDES permit.  
Part 2 is divided into five sections. Section 1 pertains to all applicants. The applicability of Sections 2 to 5 depends on your facility's sewage sludge use or disposal practices. See the instructions to determine which sections you are required to complete.

<b>PART 2, SECTION 1. GENERAL INFORMATION (40 CFR 122.21(q)(1 7) AND (q)(13))</b>					
General Information	All Part 2 applicants must complete this section.				
	<b>Facility Information</b>				
	1.1	Facility name BEAR VALLEY WASTEWATER TREATMENT FACILITY			
		Mailing address (street or P.O. box) PO BOX 5027			
		City or town BEAR VALLEY	State CA	ZIP code 95223	Phone number (209) 753-2112
		Contact name (first and last) JEFF GOUVEIA	Title GENERAL MANAGER	Email address Jeff.Gouveia@bvwd.ca.gov	
		Location address (street, route number, or other specific identifier) 441 CREEKSIDE DRIVE			<input type="checkbox"/> Same as mailing address
		City or town BEAR VALLEY	State CA	ZIP code 95223	
	1.2	Is this facility a Class I sludge management facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	1.3	<b>Facility Design Flow Rate</b>	0.500 million gallons per day (mgd)		
	1.4	<b>Total Population Served</b>	121		
	1.5	<b>Ownership Status</b>			
		<input type="checkbox"/> Public—federal <input type="checkbox"/> Public—state <input type="checkbox"/> Other public (specify) _____			
		<input type="checkbox"/> Private <input checked="" type="checkbox"/> Other (specify) <u>PUB AGENCY</u>			
	<b>Applicant Information</b>				
	1.6	Is applicant different from entity listed under Item 1.1 above? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.8 (Part 2, Section 1).			
	1.7	Applicant name			
		Applicant mailing address (street or P.O. box)			
City or town		State	ZIP code		
Contact name (first and last)		Title	Phone number	Email address	
1.8	Is the applicant the facility's owner, operator, or both? (Check only one response.) <input type="checkbox"/> Operator <input type="checkbox"/> Owner <input checked="" type="checkbox"/> Both				
1.9	To which entity should the NPDES permitting authority send correspondence? (Check only one response.) <input type="checkbox"/> Facility <input type="checkbox"/> Applicant <input checked="" type="checkbox"/> Facility and applicant (they are one and the same)				

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1.10	Facility's NPDES permit number <input type="checkbox"/> Check here if you do not have an NPDES permit but are otherwise required to submit Part 2 of Form 2S.	<b>R5-2016-0045-02</b>	
1.11	Indicate all other federal, state, and local permits or construction approvals received or applied for that regulate this facility's sewage sludge management practices below.		
	<input type="checkbox"/> RCRA (hazardous wastes) <input type="checkbox"/> Nonattainment program (CAA) <input type="checkbox"/> NESHAPs (CAA)		
	<input type="checkbox"/> PSD (air emissions)	<input type="checkbox"/> Dredge or fill (CWA Section 404)	
	<input type="checkbox"/> Ocean dumping (MPRSA)	<input checked="" type="checkbox"/> Other (specify) <u>WDR NO. 5-01-208</u>	
	<input type="checkbox"/> UIC (underground injection of fluids)		
<b>Indian Country</b>			
1.12	Does any generation, treatment, storage, application to land, or disposal of sewage sludge from this facility occur in Indian Country? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.14 (Part 2, Section 1) below.		
1.13	Provide a description of the generation, treatment, storage, land application, or disposal of sewage sludge that occurs.		
<b>Topographic Map</b>			
1.14	Have you attached a topographic map containing all required information to this application? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Line Drawing</b>			
1.15	Have you attached a line drawing and/or a narrative description that identifies all sewage sludge practices that will be employed during the term of the permit containing all the required information to this application? (See instructions for specific requirements.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Contractor Information</b>			
1.16	Do contractors have any operational or maintenance responsibilities related to sewage sludge generation, treatment, use, or disposal at the facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Item 1.18 (Part 2, Section 1) below.		
1.17	Provide the following information for each contractor. <input type="checkbox"/> Check here if you have attached additional sheets to the application package.		
	<b>Contractor 1</b>	<b>Contractor 2</b>	
	<b>Contractor 3</b>		
	Contractor company name		
	Mailing address (street or P.O. box)		
	City, state, and ZIP code		
	Contact name (first and last)		
	Telephone number		
	Email address		



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General Information Continued

1.17 cont.		<b>Contractor 1</b>	<b>Contractor 2</b>	<b>Contractor 3</b>
	Responsibilities of contractor			

<b>Pollutant Concentrations</b>				
Using the table below or a separate attachment, provide sewage sludge monitoring data for the pollutants for which limits in sewage sludge have been established in 40 CFR 503 for this facility's expected use or disposal practices. All data must be based on three or more samples taken at least one month apart and must be no more than 4.5 years old.				
<input type="checkbox"/> Check here if you have attached additional sheets to the application package.				

1.18		<b>Average Monthly Concentration</b> (mg/kg dry weight)	<b>Analytical Method</b>	<b>Detection Level</b>
	Pollutant			
	Arsenic			
	Cadmium			
	Chromium			
	Copper			
	Lead			
	Mercury			
	Molybdenum			
	Nickel			
	Selenium			
	Zinc			

<b>Checklist and Certification Statement</b>													
1.19	<p>In Column 1 below, mark the sections of Form 2S, Part 2, that you have completed and are submitting with your application. For each section, specify in Column 2 any attachments that you are enclosing. Note that not all applicants are required to complete all sections or provide attachments. See Exhibit 2S-2 in the Instructions.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%; text-align: center;">Column 1</th> <th style="width: 40%; text-align: center;">Column 2</th> </tr> <tr> <td><input checked="" type="checkbox"/> Section 1 (General Information)</td> <td><input checked="" type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input type="checkbox"/> Section 2 (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input type="checkbox"/> Section 3 (Land Application of Bulk Sewage Sludge)</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input type="checkbox"/> Section 4 (Surface Disposal)</td> <td><input type="checkbox"/> w/ attachments</td> </tr> <tr> <td><input type="checkbox"/> Section 5 (Incineration)</td> <td><input type="checkbox"/> w/ attachments</td> </tr> </table>	Column 1	Column 2	<input checked="" type="checkbox"/> Section 1 (General Information)	<input checked="" type="checkbox"/> w/ attachments	<input type="checkbox"/> Section 2 (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)	<input type="checkbox"/> w/ attachments	<input type="checkbox"/> Section 3 (Land Application of Bulk Sewage Sludge)	<input type="checkbox"/> w/ attachments	<input type="checkbox"/> Section 4 (Surface Disposal)	<input type="checkbox"/> w/ attachments	<input type="checkbox"/> Section 5 (Incineration)	<input type="checkbox"/> w/ attachments
Column 1	Column 2												
<input checked="" type="checkbox"/> Section 1 (General Information)	<input checked="" type="checkbox"/> w/ attachments												
<input type="checkbox"/> Section 2 (Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge)	<input type="checkbox"/> w/ attachments												
<input type="checkbox"/> Section 3 (Land Application of Bulk Sewage Sludge)	<input type="checkbox"/> w/ attachments												
<input type="checkbox"/> Section 4 (Surface Disposal)	<input type="checkbox"/> w/ attachments												
<input type="checkbox"/> Section 5 (Incineration)	<input type="checkbox"/> w/ attachments												
1.20	<p><b>Certification Statement</b></p> <p><i>I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Name (print or type first and last name) JEFF GOUVEIA</td> <td style="width: 40%;">Official title GENERAL MANAGER</td> </tr> <tr> <td>Signature </td> <td>Date signed 06/19/2020</td> </tr> <tr> <td>Telephone number (209) 753-2112</td> <td></td> </tr> </table>	Name (print or type first and last name) JEFF GOUVEIA	Official title GENERAL MANAGER	Signature 	Date signed 06/19/2020	Telephone number (209) 753-2112							
Name (print or type first and last name) JEFF GOUVEIA	Official title GENERAL MANAGER												
Signature 	Date signed 06/19/2020												
Telephone number (209) 753-2112													

Upon the request of the NPDES permitting authority, you must submit any other information the authority deems necessary to assess sewage sludge use or disposal practices at your facility and identify appropriate permitting requirements.
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PART 2, SECTION 2. GENERATION OF SEWAGE SLUDGE OR PREPARATION OF A MATERIAL DERIVED FROM SEWAGE SLUDGE (40 CFR 122.21(q)(8) THROUGH (12))

Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge	2.1	Does your facility generate sewage sludge or derive a material from sewage sludge?		
	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Part 2, Section 3.			
	Amount Generated Onsite			
	2.2	Total dry metric tons per 365-day period generated at your facility:		
	Amount Received from Off Site Facility			
	2.3	Does your facility receive sewage sludge from another facility for treatment use or disposal?		
	<input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.7 (Part 2, Section 2) below.			
	2.4	Indicate the total number of facilities from which you receive sewage sludge for treatment, use, or disposal:		
	Provide the following information for each of the facilities from which you receive sewage sludge.			
	<input type="checkbox"/> Check here if you have attached additional sheets to the application package.			
	2.5	Name of facility		
	Mailing address (street or P.O. box)			
	City or town		State	ZIP code
	Contact name (first and last)	Title	Phone number	Email address
	Location address (street, route number, or other specific identifier)			<input type="checkbox"/> Same as mailing address
City or town		State	ZIP code	
County		County code <input type="checkbox"/> Not available		
2.6	Indicate the amount of sewage sludge received, the applicable pathogen class and reduction alternative, and the applicable vector reduction option provided at the offsite facility.			
Amount (dry metric tons)		Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option	
		<input type="checkbox"/> Not applicable <input type="checkbox"/> Class A, Alternative 1 <input type="checkbox"/> Class A, Alternative 2 <input type="checkbox"/> Class A, Alternative 3 <input type="checkbox"/> Class A, Alternative 4 <input type="checkbox"/> Class A, Alternative 5 <input type="checkbox"/> Class A, Alternative 6 <input type="checkbox"/> Class B, Alternative 1 <input type="checkbox"/> Class B, Alternative 2 <input type="checkbox"/> Class B, Alternative 3 <input type="checkbox"/> Class B, Alternative 4 <input type="checkbox"/> Domestic septage, pH adjustment	<input type="checkbox"/> Not applicable <input type="checkbox"/> Option 1 <input type="checkbox"/> Option 2 <input type="checkbox"/> Option 3 <input type="checkbox"/> Option 4 <input type="checkbox"/> Option 5 <input type="checkbox"/> Option 6 <input type="checkbox"/> Option 7 <input type="checkbox"/> Option 8 <input type="checkbox"/> Option 9 <input type="checkbox"/> Option 10 <input type="checkbox"/> Option 11	
2.7	Identify the treatment process(es) that are known to occur at the offsite facility, including blending activities and treatment to reduce pathogens or vector attraction properties. (Check all that apply.)			
<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and dewatering) <input type="checkbox"/> Thickening (concentration)				
<input type="checkbox"/> Stabilization <input type="checkbox"/> Anaerobic digestion				
<input type="checkbox"/> Composting <input type="checkbox"/> Conditioning				
<input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization) <input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons)				
<input type="checkbox"/> Heat drying <input type="checkbox"/> Thermal reduction				
<input type="checkbox"/> Methane or biogas capture and recovery <input type="checkbox"/> Other (specify) _____				

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	Treatment Provided at Your Facility			
	2.8	For each sewage sludge use or disposal practice, indicate the applicable pathogen class and reduction alternative and the applicable vector attraction reduction option provided at your facility. Attach additional pages, as necessary.		
		Use or Disposal Practice (check one)	Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option
		<input type="checkbox"/> Land application of bulk sewage <input type="checkbox"/> Land application of biosolids (bulk) <input type="checkbox"/> Land application of biosolids (bags) <input type="checkbox"/> Surface disposal in a landfill <input type="checkbox"/> Other surface disposal <input type="checkbox"/> Incineration	<input type="checkbox"/> Not applicable <input type="checkbox"/> Class A, Alternative 1 <input type="checkbox"/> Class A, Alternative 2 <input type="checkbox"/> Class A, Alternative 3 <input type="checkbox"/> Class A, Alternative 4 <input type="checkbox"/> Class A, Alternative 5 <input type="checkbox"/> Class A, Alternative 6 <input type="checkbox"/> Class B, Alternative 1 <input type="checkbox"/> Class B, Alternative 2 <input type="checkbox"/> Class B, Alternative 3 <input type="checkbox"/> Class B, Alternative 4 <input type="checkbox"/> Domestic septage, pH adjustment	<input type="checkbox"/> Not applicable <input type="checkbox"/> Option 1 <input type="checkbox"/> Option 2 <input type="checkbox"/> Option 3 <input type="checkbox"/> Option 4 <input type="checkbox"/> Option 5 <input type="checkbox"/> Option 6 <input type="checkbox"/> Option 7 <input type="checkbox"/> Option 8 <input type="checkbox"/> Option 9 <input type="checkbox"/> Option 10 <input type="checkbox"/> Option 11
	2.9	Identify the treatment process(es) used at your facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge? (Check all that apply.)		
		<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and degritting) <input type="checkbox"/> Stabilization <input type="checkbox"/> Composting <input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization) <input type="checkbox"/> Heat drying <input type="checkbox"/> Methane or biogas capture and recovery	<input type="checkbox"/> Thickening (concentration) <input type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Conditioning <input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons) <input type="checkbox"/> Thermal reduction	
	2.10	Describe any other sewage sludge treatment or blending activities not identified in Items 2.8 and 2.9 (Part 2, Section 2) above. <input type="checkbox"/> Check here if you have attached the description to the application package.		
	Preparation of Sewage Sludge Meeting Ceiling and Pollutant Concentrations, Class A Pathogen Requirements, and One of Vector Attraction Reduction Options 1 to 8			
	2.11	Does the sewage sludge from your facility meet the ceiling concentrations in Table 1 of 40 CFR 503.13, the pollutant concentrations in Table 3 of 40 CFR 503.13, Class A pathogen reduction requirements at 40 CFR 503.32(a), <i>and</i> one of the vector attraction reduction requirements at 40 CFR 503.33(b)(1)–(8) and is it land applied? <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Yes</span> <span><input type="checkbox"/> No → SKIP to Item 2.14 (Part 2, Section 2) below.</span> </div>		
	2.12	Total dry metric tons per 365-day period of sewage sludge subject to this subsection that is applied to the land:		
2.13	Is sewage sludge subject to this subsection placed in bags or other containers for sale or give-away for application to the land? <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Yes</span> <span><input type="checkbox"/> No</span> </div>			
<input type="checkbox"/> Check here once you have completed Items 2.11 to 2.13, then → SKIP to Item 2.32 (Part 2, Section 2) below.				

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued

Sale or Give-Away in a Bag or Other Container for Application to the Land			
2.14	Do you place sewage sludge in a bag or other container for sale or give-away for land application? <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Yes</span> <span><input type="checkbox"/> No → SKIP to Item 2.17 (Part 2, Section 2) below.</span> </div>		
2.15	Total dry metric tons per 365-day period of sewage sludge placed in a bag or other container at your facility for sale or give-away for application to the land:		
2.16	Attach a copy of all labels or notices that accompany the sewage sludge being sold or given away in a bag or other container for application to the land. <input type="checkbox"/> Check here to indicate that you have attached all labels or notices to this application package.		
<input type="checkbox"/> Check here once you have completed Items 2.14 to 2.16, then → SKIP to Part 2, Section 2, Item 2.32.			
Shipment Off Site for Treatment or Blending			
2.17	Does another facility provide treatment or blending of your facility's sewage sludge? (This question does not pertain to dewatered sludge sent directly to a land application or surface disposal site.) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Yes</span> <span><input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.</span> </div>		
2.18	Indicate the total number of facilities that provide treatment or blending of your facility's sewage sludge. Provide the information in Items 2.19 to 2.26 (Part 2, Section 2) below for each facility. <input type="checkbox"/> Check here if you have attached additional sheets to the application package.		
2.19	Name of receiving facility <hr/> Mailing address (street or P.O. box) <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">City or town</div> <div style="width: 15%;">State</div> <div style="width: 40%;">ZIP code</div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Contact name (first and last)</div> <div style="width: 20%;">Title</div> <div style="width: 20%;">Phone number</div> <div style="width: 30%;">Email address</div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 70%;">Location address (street, route number, or other specific identifier)</div> <div style="width: 30%;"><input type="checkbox"/> Same as mailing address</div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">City or town</div> <div style="width: 15%;">State</div> <div style="width: 40%;">ZIP code</div> </div>		
2.20	Total dry metric tons per 365-day period of sewage sludge provided to receiving facility:		
2.21	Does the receiving facility provide additional treatment to reduce pathogens in sewage sludge from your facility or reduce the vector attraction properties of sewage sludge from your facility? <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Yes</span> <span><input type="checkbox"/> No → SKIP to Item 2.24 (Part 2, Section 2) below.</span> </div>		
2.22	Indicate the pathogen class and reduction alternative and the vector attraction reduction option met for the sewage sludge at the receiving facility.		
Pathogen Class and Reduction Alternative		Vector Attraction Reduction Option	
<input type="checkbox"/> Not applicable <input type="checkbox"/> Class A, Alternative 1 <input type="checkbox"/> Class A, Alternative 2 <input type="checkbox"/> Class A, Alternative 3 <input type="checkbox"/> Class A, Alternative 4 <input type="checkbox"/> Class A, Alternative 5 <input type="checkbox"/> Class A, Alternative 6 <input type="checkbox"/> Class B, Alternative 1 <input type="checkbox"/> Class B, Alternative 2 <input type="checkbox"/> Class B, Alternative 3 <input type="checkbox"/> Class B, Alternative 4 <input type="checkbox"/> Domestic septage, pH adjustment		<input type="checkbox"/> Not applicable <input type="checkbox"/> Option 1 <input type="checkbox"/> Option 2 <input type="checkbox"/> Option 3 <input type="checkbox"/> Option 4 <input type="checkbox"/> Option 5 <input type="checkbox"/> Option 6 <input type="checkbox"/> Option 7 <input type="checkbox"/> Option 8 <input type="checkbox"/> Option 9 <input type="checkbox"/> Option 10 <input type="checkbox"/> Option 11	

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.23	Which treatment process(es) are used at the receiving facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge from your facility? (Check all that apply.)					
		<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and dewatering) <input type="checkbox"/> Stabilization <input type="checkbox"/> Composting <input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization) <input type="checkbox"/> Heat drying <input type="checkbox"/> Methane or biogas capture and recovery			<input type="checkbox"/> Thickening (concentration) <input type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Conditioning <input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons) <input type="checkbox"/> Thermal reduction <input type="checkbox"/> Other (specify) _____		
	2.24	Attach a copy of any information you provide the receiving facility to comply with the "notice and necessary information" requirement of 40 CFR 503.12(g). <input type="checkbox"/> Check here to indicate that you have attached material.					
	2.25	Does the receiving facility place sewage sludge from your facility in a bag or other container for sale or give-away for application to the land? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.					
	2.26	Attach a copy of all labels or notices that accompany the product being sold or given away. <input type="checkbox"/> Check here to indicate that you have attached material.					
	<input type="checkbox"/> Check here once you have completed Items 2.17 to 2.26 (Part 2, Section 2), then → SKIP to Item 2.32 (Part 2, Section 2) below.						
	<b>Land Application of Bulk Sewage Sludge</b>						
	2.27	Is sewage sludge from your facility applied to the land? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.					
	2.28	Total dry metric tons per 365-day period of sewage sludge applied to all land application sites:					
	2.29	Did you identify all land application sites in Part 2, Section 3 of this application? <input type="checkbox"/> Yes <input type="checkbox"/> No → Submit a copy of the land application plan with your application.					
	2.30	Are any land application sites located in states other than the state where you generate sewage sludge or derive a material from sewage sludge? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.32 (Part 2, Section 2) below.					
	2.31	Describe how you notify the NPDES permitting authority for the states where the land application sites are located. Attach a copy of the notification. <input type="checkbox"/> Check here if you have attached the explanation to the application package. <input type="checkbox"/> Check here if you have attached the notification to the application package.					
	<b>Surface Disposal</b>						
	2.32	Is sewage sludge from your facility placed on a surface disposal site? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.39 (Part 2, Section 2) below.					
2.33	Total dry metric tons of sewage sludge from your facility placed on all surface disposal sites per 365-day period:						
2.34	Do you own or operate all surface disposal sites to which you send sewage sludge for disposal? <input type="checkbox"/> Yes → SKIP to Item 2.39 (Part 2, Section 2) below. <input type="checkbox"/> No						
2.35	Indicate the total number of surface disposal sites to which you send your sewage sludge. (Provide the information in Items 2.36 to 2.38 of Part 2, Section 2, for each facility.) <input type="checkbox"/> Check here if you have attached additional sheets to the application package.						

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.36 Site name or number of surface disposal site you do not own or operate						
	Mailing address (street or P.O. box)						
	City or Town				State		ZIP Code
	Contact Name (first and last)		Title		Phone Number		Email Address
	2.37 Site Contact (Check all that apply.) <input type="checkbox"/> Owner <input type="checkbox"/> Operator						
	2.38 Total dry metric tons of sewage sludge from your facility placed on this surface disposal site per 365-day period:						
	<b>Incineration</b>						
	2.39 Is sewage sludge from your facility fired in a sewage sludge incinerator? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 2.46 (Part 2, Section 2) below.						
	2.40 Total dry metric tons of sewage sludge from your facility fired in all sewage sludge incinerators per 365-day period:						
	2.41 Do you own or operate all sewage sludge incinerators in which sewage sludge from your facility is fired? <input type="checkbox"/> Yes → SKIP to Item 2.46 (Part 2, Section 2) below. <input type="checkbox"/> No						
	2.42 Indicate the total number of sewage sludge incinerators used that you do not own or operate. (Provide the information in Items 2.43 to 2.45 directly below for each facility.) <input type="checkbox"/> Check here if you have attached additional sheets to the application package.						
	2.43 Incinerator name or number						
	Mailing address (street or P.O. box)						
	City or town				State		ZIP code
	Contact name (first and last)		Title		Phone number		Email address
	Location address (street, route number, or other specific identifier)						<input type="checkbox"/> Same as mailing address
	City or town				State		ZIP code
	2.44 Contact (check all that apply) <input type="checkbox"/> Incinerator owner <input type="checkbox"/> Incinerator operator						
	2.45 Total dry metric tons of sewage sludge from your facility fired in this sewage sludge incinerator per 365-day period:						
	<b>Disposal in a Municipal Solid Waste Landfill</b>						
2.46 Is sewage sludge from your facility placed on a municipal solid waste landfill? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Part 2, Section 3.							
2.47 Indicate the total number of municipal solid waste landfills used. (Provide the information in Items 2.48 to 2.52 directly below for each facility.) <input type="checkbox"/> Check here if you have attached additional sheets to the application package.							

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Generation of Sewage Sludge or Preparation of a Material Derived from Sewage Sludge Continued	2.48	Name of landfill							
		Mailing address (street or P.O. box)							
		City or town			State		ZIP code		
		Contact name (first and last)		Title		Phone number		Email address	
		Location address (street, route number, or other specific identifier)						<input type="checkbox"/> Same as mailing address	
		County			County code			<input type="checkbox"/> Not available	
		City or town			State		ZIP code		
	2.49	Total dry metric tons of sewage sludge from your facility placed in this municipal solid waste landfill per 365-day period:							
	2.50	List the numbers of all other federal, state, and local permits that regulate the operation of this municipal solid waste landfill.							
		Permit Number		Type of Permit					
2.51	Attach to the application information to determine whether the sewage sludge meets applicable requirements for disposal of sewage sludge in a municipal solid waste landfill (e.g., results of paint filter liquids test and TCLP test). <input type="checkbox"/> Check here to indicate you have attached the requested information.								
2.52	Does the municipal solid waste landfill comply with applicable criteria set forth in 40 CFR 258? <input type="checkbox"/> Yes <input type="checkbox"/> No								





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Land Application of Bulk Sewage Sludge Continued

Site Type			
3.10	Type of land application:	<input type="checkbox"/> Agricultural land <input type="checkbox"/> Forest	
	<input type="checkbox"/> Reclamation site	<input type="checkbox"/> Public contact site	
	<input type="checkbox"/> Other (describe)		
Crop or Other Vegetation Grown on Site			
3.11	What type of crop or other vegetation is grown on this site?		
3.12	What is the nitrogen requirement for this crop or vegetation?		
Vector Attraction Reduction			
3.13	Are the vector attraction reduction requirements at 40 CFR 503.33(b)(9) and (b)(10) met when sewage sludge is applied to the land application site?  <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 3.16 (Part 2, Section 3) below.		
3.14	Indicate which vector attraction reduction option is met. (Check only one response.) <input type="checkbox"/> Option 9 (injection below land surface) <input type="checkbox"/> Option 10 (incorporation into soil within 6 hours)		
3.15	Describe any treatment processes used at the land application site to reduce vector attraction properties of sewage sludge. <input type="checkbox"/> Check here if you have attached your description to the application package.		
Cumulative Loadings and Remaining Allotments			
3.16	Is the sewage sludge applied to this site since July 20, 1993, subject to the cumulative pollutant loading rates (CPLRs) in 40 CFR 503.13(b)(2)?  <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Part 2, Section 4.		
3.17	Have you contacted the NPDES permitting authority in the state where the bulk sewage sludge subject to CPLRs will be applied to ascertain whether bulk sewage sludge subject to CPLRs has been applied to this site on or since July 20, 1993?  <input type="checkbox"/> Yes <input type="checkbox"/> No → Sewage sludge subject to CPLRs may not be applied to this site. SKIP to Part 2, Section 4.		
3.18	Provide the following information about your NPDES permitting authority:		
	NPDES permitting authority name		
	Contact person		
	Telephone number		
	Email address		
3.19	Based on your inquiry, has bulk sewage sludge subject to CPLRs been applied to this site since July 20, 1993?  <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Part 2, Section 4.		
3.20	Provide the following information for every facility other than yours that is sending, or has sent, bulk sewage sludge subject to CPLRs to this site since July 20, 1993. If more than one such facility sends sewage sludge to this site, attach additional pages as necessary. <input type="checkbox"/> Check here to indicate that additional pages are attached.		
	Facility name		
	Mailing address (street or P.O. box)		
	City or town	State	ZIP code
	Contact name (first and last)	Title	<div style="display: flex;"> <div style="flex: 1; padding: 5px;">Phone number</div> <div style="flex: 1; padding: 5px;">Email address</div> </div>

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PART 2, SECTION 4 SURFACE DISPOSAL (40 CFR 122.21(q)(10))

Surface Disposal	4.1	Do you own or operate a surface disposal site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to Part 2, Section 5.		
	4.2	Complete all items in Section 4 for each active sewage sludge unit that you own or operate. <input type="checkbox"/> Check here to indicate that you have attached material to the application package for one or more active sewage sludge units.		
	Information on Active Sewage Sludge Units			
	4.3	Unit name or number		
		Mailing address (street or P.O. box)		
		City or town	State	ZIP code
		Contact name (first and last)	Title	Phone number      Email address
		Location address (street, route number, or other specific identifier)		<input type="checkbox"/> Same as mailing address
		County	County code	<input type="checkbox"/> Not available
		City or town	State	ZIP code
	Latitude/Longitude of Active Sewage Sludge Unit (see instructions)			
		Latitude		Longitude
		°   '   "		°   '   "
	Method of Determination			
		<input type="checkbox"/> USGS map <input type="checkbox"/> Field survey <input type="checkbox"/> Other (specify) _____		
4.4	Provide a topographic map (or other appropriate map if a topographic map is unavailable) that shows the site location. <input type="checkbox"/> Check here to indicate that you have completed and attached a topographic map.			
4.5	Total dry metric tons of sewage sludge placed on the active sewage sludge unit per 365-day period:			
4.6	Total dry metric tons of sewage sludge placed on the active sewage sludge unit over the life of the unit:			
4.7	Does the active sewage sludge unit have a liner with a maximum permeability of $1 \times 10^{-7}$ centimeters per second (cm/sec)? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 4.9 (Part 2, Section 4) below.			
4.8	Describe the liner. <input type="checkbox"/> Check here to indicate that you have attached a description to the application package.			
4.9	Does the active sewage sludge unit have a leachate collection system? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 4.11 (Part 2, Section 4) below.			
4.10	Describe the leachate collection system and the method used for leachate disposal and provide the numbers of any federal, state, or local permit(s) for leachate disposal. <input type="checkbox"/> Check here to indicate that you have attached the description to the application package.			

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Surface Disposal Continued

4.11	Is the boundary of the active sewage sludge unit less than 150 meters from the property line of the surface disposal site? <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Yes</span> <span><input type="checkbox"/> No → SKIP to Item 4.13 (Part 2, Section 4) below.</span> </div>		
4.12	Provide the actual distance in meters:		meters
4.13	Remaining capacity of active sewage sludge unit in dry metric tons:		dry metric tons
4.14	Anticipated closure date for active sewage sludge unit, if known (MM/DD/YYYY):		
4.15	Attach a copy of any closure plan that has been developed for this active sewage sludge unit. <input type="checkbox"/> Check here to indicate that you have attached a copy of the closure plan to the application package.		
Sewage Sludge from Other Facilities			
4.16	Is sewage sludge sent to this active sewage sludge unit from any facilities other than your facility? <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Yes</span> <span><input type="checkbox"/> No → SKIP to Item 4.21 (Part 2, Section 4) below.</span> </div>		
4.17	Indicate the total number of facilities (other than your facility) that send sewage sludge to this active sewage sludge unit. (Complete Items 4.18 to 4.20 directly below for each such facility.) <input type="checkbox"/> Check here to indicate that you have attached responses for each facility to the application package.		
4.18	Facility name <hr/> Mailing address (street or P.O. box) <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">City or town</div> <div style="width: 15%;">State</div> <div style="width: 40%;">ZIP code</div> </div> <hr/> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Contact name (first and last)</div> <div style="width: 20%;">Title</div> <div style="width: 20%;">Phone number</div> <div style="width: 30%;">Email address</div> </div>		
4.19	Indicate the pathogen class and reduction alternative and the vector attraction reduction option met for the sewage sludge before leaving the other facility.		
	Pathogen Class and Reduction Alternative	Vector Attraction Reduction Option	
	<input type="checkbox"/> Not applicable <input type="checkbox"/> Class A, Alternative 1 <input type="checkbox"/> Class A, Alternative 2 <input type="checkbox"/> Class A, Alternative 3 <input type="checkbox"/> Class A, Alternative 4 <input type="checkbox"/> Class A, Alternative 5 <input type="checkbox"/> Class A, Alternative 6 <input type="checkbox"/> Class B, Alternative 1 <input type="checkbox"/> Class B, Alternative 2 <input type="checkbox"/> Class B, Alternative 3 <input type="checkbox"/> Class B, Alternative 4 <input type="checkbox"/> Domestic septage, pH adjustment	<input type="checkbox"/> Not applicable <input type="checkbox"/> Option 1 <input type="checkbox"/> Option 2 <input type="checkbox"/> Option 3 <input type="checkbox"/> Option 4 <input type="checkbox"/> Option 5 <input type="checkbox"/> Option 6 <input type="checkbox"/> Option 7 <input type="checkbox"/> Option 8 <input type="checkbox"/> Option 9 <input type="checkbox"/> Option 10 <input type="checkbox"/> Option 11	
4.20	Which treatment process(es) are used at the other facility to reduce pathogens in sewage sludge or reduce the vector attraction properties of sewage sludge before leaving the other facility? (Check all that apply.)		
	<input type="checkbox"/> Preliminary operations (e.g., sludge grinding and degritting) <input type="checkbox"/> Stabilization <input type="checkbox"/> Composting <input type="checkbox"/> Disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization) <input type="checkbox"/> Heat drying <input type="checkbox"/> Methane or biogas capture and recovery	<input type="checkbox"/> Thickening (concentration) <input type="checkbox"/> Anaerobic digestion <input type="checkbox"/> Conditioning <input type="checkbox"/> Dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons) <input type="checkbox"/> Thermal reduction <input type="checkbox"/> Other (specify) _____	

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Surface Disposal Continued	<b>Vector Attraction Reduction</b>			
	4.21	Which vector attraction reduction option, if any, is met when sewage sludge is placed on this active sewage sludge unit?		
		<input type="checkbox"/> Option 9 (Injection below and surface)	<input type="checkbox"/> Option 11 (Covering active sewage sludge unit daily)	
		<input type="checkbox"/> Option 10 (Incorporation into soil within 6 hours)	<input type="checkbox"/> None	
	4.22	Describe any treatment processes used at the active sewage sludge unit to reduce vector attraction properties of sewage sludge.		
		<input type="checkbox"/> Check here if you have attached your description to the application package.		
	<b>Groundwater Monitoring</b>			
	4.23	Is groundwater monitoring currently conducted at this active sewage sludge unit, or are groundwater monitoring data otherwise available for this active sewage sludge unit?		
		<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Item 4.26 (Part 2, Section 4) below.	
	4.24	Provide a copy of available groundwater monitoring data.		
		<input type="checkbox"/> Check here to indicate you have attached the monitoring data.		
	4.25	Describe the well locations, the approximate depth to groundwater, and the groundwater monitoring procedures used to obtain these data.		
		<input type="checkbox"/> Check here if you have attached your description to the application package.		
4.26	Has a groundwater monitoring program been prepared for this active sewage sludge unit?			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Item 4.28 (Part 2, Section 4) below.		
4.27	Submit a copy of the groundwater monitoring program with this permit application.			
	<input type="checkbox"/> Check here to indicate you have attached the monitoring program.			
4.28	Have you obtained a certification from a qualified groundwater scientist that the aquifer below the active sewage sludge unit has not been contaminated?			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Item 4.30 (Part 2, Section 4) below.		
4.29	Submit a copy of the certification with this permit application.			
	<input type="checkbox"/> Check here to indicate you have attached the certification to the application package.			
<b>Site-Specific Limits</b>				
4.30	Are you seeking site-specific pollutant limits for the sewage sludge placed on the active sewage sludge unit?			
	<input type="checkbox"/> Yes	<input type="checkbox"/> No → SKIP to Part 2, Section 5.		
4.31	Submit information to support the request for site-specific pollutant limits with this application.			
	<input type="checkbox"/> Check here to indicate you have attached the requested information.			

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PART 2, SECTION 5 INCINERATION (40 CFR 122.21(q)(11))

Incineration	Incinerator Information		
	5.1	Do you fire sewage sludge in a sewage sludge incinerator? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No → SKIP to END.	
	5.2	Indicate the total number of incinerators used at your facility. (Complete the remainder of Section 5 for each such incinerator.) <input type="checkbox"/> Check here to indicate that you have attached information for one or more incinerators.	
	5.3	Incinerator name or number	
		Location address (street, route number, or other specific identifier)	
		County	County code <input type="checkbox"/> Not available
		City or town	State ZIP code
		Latitude/Longitude of Incinerator (see instructions)	
		Latitude	Longitude
		° ' "	° ' "
		Method of Determination	
		<input type="checkbox"/> USGS map <input type="checkbox"/> Field survey <input type="checkbox"/> Other (specify) _____	
	Amount Fired		
	5.4	Dry metric tons per 365-day period of sewage sludge fired in the sewage sludge incinerator:	
	Beryllium NESHAP		
	5.5	Submit information, test data, and a description of measures taken that demonstrate whether the sewage sludge incinerated is beryllium-containing waste and will continue to remain as such. <input type="checkbox"/> Check here to indicate that you have attached this material to the application package.	
	5.6	Is the sewage sludge fired in this incinerator "beryllium-containing waste" as defined at 40 CFR 61.31? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.8 (Part 2, Section 5) below.	
	5.7	Submit with this application a complete report of the latest beryllium emission rate testing <i>and</i> documentation of ongoing incinerator operating parameters indicating that the NESHAP emission rate limit for beryllium has been and will continue to be met. <input type="checkbox"/> Check here to indicate that you have attached this information.	
	Mercury NESHAP		
	5.8	Is compliance with the mercury NESHAP being demonstrated via stack testing? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.11 (Part 2, Section 5) below.	
5.9	Submit a complete report of stack testing and documentation of ongoing incinerator operating parameters indicating that the incinerator has met and will continue to meet the mercury NESHAP emission rate limit. <input type="checkbox"/> Check here to indicate that you have attached this information.		
5.10	Provide copies of mercury emission rate tests for the two most recent years in which testing was conducted. <input type="checkbox"/> Check here to indicate that you have attached this information.		
5.11	Do you demonstrate compliance with the mercury NESHAP by sewage sludge sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No → SKIP to Item 5.13 (Part 2, Section 5) below.		
5.12	Submit a complete report of sewage sludge sampling and documentation of ongoing incinerator operating parameters indicating that the incinerator has met and will continue to meet the mercury NESHAP emission rate limit. <input type="checkbox"/> Check here to indicate that you have attached this information.		





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Incineration Continued	<b>Performance Test Operating Parameters</b>		
	5.29	Maximum performance test combustion temperature:	
	5.30	Performance test sewage sludge feed rate, in dry metric tons/day	
	5.31	Indicate whether value submitted in Item 5.30 is (check only one response): <input type="checkbox"/> Average use <input type="checkbox"/> Maximum design	
	5.32	Attach supporting documents describing how the feed rate was calculated. <input type="checkbox"/> Check here to indicate that you have attached this information.	
	5.33	Submit information documenting the performance test operating parameters for the air pollution control device(s) used for this sewage sludge incinerator. <input type="checkbox"/> Check here to indicate that you have attached this information.	
	<b>Monitoring Equipment</b>		
	5.34	List the equipment in place to monitor the listed parameters.	
		<b>Parameter</b>	<b>Equipment in Place for Monitoring</b>
		Total hydrocarbons or carbon monoxide	
		Percent oxygen	
		Percent moisture	
		Combustion temperature	
		Other (describe)	
	<b>Air Pollution Control Equipment</b>		
5.35	List all air pollution control equipment used with this sewage sludge incinerator. <input type="checkbox"/> Check here if you have attached the list to the application package for the noted incinerator.		

**END of PART 2**

**Submit completed application package to your NPDES permitting authority.**

Supplement to Form 2S

Section 1.15 - Sludge Handling Narrative Description

The Bear Valley Water District (BVWD) treatment process uses pond treatment. Influent wastewater solids settle to the bottom of the pond and decays in place. The actual wastewater load on the pond system is so low (2019 average flow was 0.059 MGD, of which approximately 0.023 MGD is inflow and infiltration), that material sludge accumulation on the bottom of the pond system has not been observed to date.

District staff measures for sludge accumulation annually. If and when sludge removal is necessary, the District envisions using a licensed sludge removal contractor. The District does not generate sludge on a regular basis in any normal use of the terms. Consequently, the District has not completed Sections 2, 3, 4, or 5 of EPA form 2S.

## MAP AND SCHEMATIC





0 1,000 2,000 Feet  
1:16,500 (at original document size of 8.5x11)



#### Legend

- Discharge Point
- State Highway
- Local Road
- Stream
- Contour (20ft)
- Treatment Plant Facilities
- County Boundary

Notes  
1. Coordinate System: NAD 1983 StatePlane California II FIPS 0402 Feet  
2. Data Sources Include: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Figure No.

1

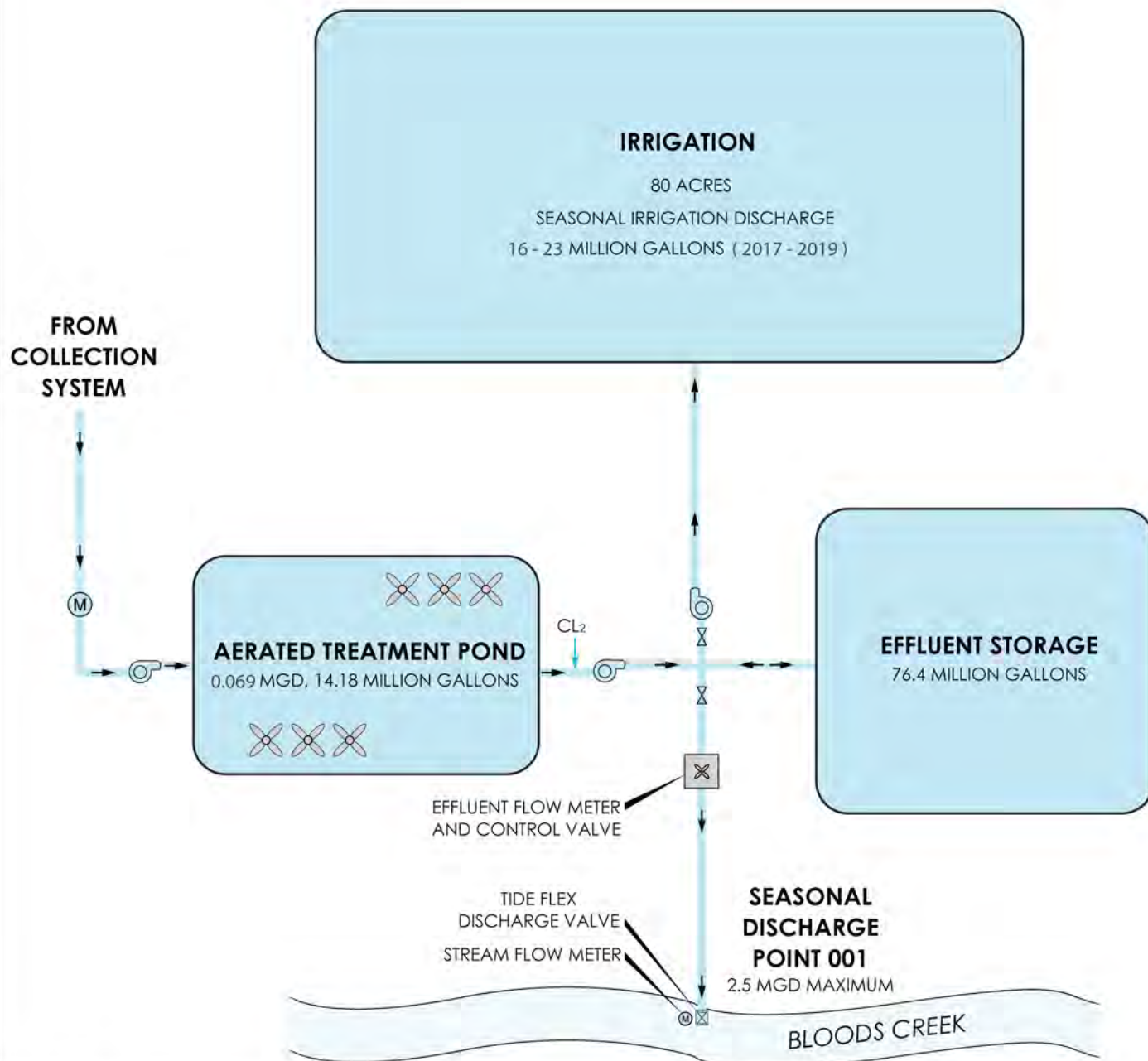
Title

#### Bear Valley Wastewater Treatment Facility Topographic Map

Client/Project

Bear Valley Water District  
Report of Waste Discharge  
184030475





#### LEGEND

- ⋈ VALVE
- ⋈ MIXER
- ⋈ PUMP
- (M) FLOW METER
- ⋈ AERATION DIFFUSER



**DEPARTMENT OF WATER RESOURCES**

1416 NINTH STREET, P.O. BOX 942836  
SACRAMENTO, CA 94236-0001  
(916) 653-5791

**COPY****APR 01 2020**

Mr. Jeff Gouveia, General Manager  
Bear Valley Water District  
Post Office Box 5027  
Bear Valley, California 95223

Bear Valley SH Dam, No. 1088  
Alpine County

Dear Mr. Gouveia:

The Division of Safety of Dams (DSOD) has reviewed the inundation maps submitted for Bear Valley SH Dam. It was determined that the dam has one critical appurtenant structure and the maps listed below are in substantial compliance with the requirements of Title 23, Division 2, Chapter 1, Article 6 of the California Code of Regulations. Therefore, the following inundation maps are approved:

1. Main Dam (sunny day failure scenario) map dated February 24, 2020.
2. Saddle Dam (sunny day failure scenario) map dated February 24, 2020.

The approved maps will be made publicly available as required by section 6161(c) of the California Water Code. An emergency action plan (EAP), based on the approved inundation maps, must be submitted to the California Governor's Office of Emergency Services (Cal OES) before January 1, 2021 for their review and approval. Upon Cal OES approval, please submit an electronic copy of the approved EAP with a hard copy of the transmittal letter to DSOD.

Pursuant to section 6161(e) of the CA Water Code, the EAP and inundation maps must be updated no less frequently than every 10 years, and sooner under conditions that include, but are not limited to, the following: (1) a significant modification to the dam or a critical appurtenant structure as determined by the department, or (2) a significant change to downstream development that involves people and property. Based on the requirement, the approved maps will expire on February 24, 2030. Please submit the updated maps at least six months prior to the expiration date for DSOD's review and approval.

If you have any questions or need additional information, you may contact Dam Safety Engineer Steven Khong at (916) 565-7881 or Project Engineer Phu Huynh at (916) 565-7872.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Sharon K. Tapia'.

Sharon K. Tapia, Chief  
Division of Safety of Dams

cc: Mr. José Lara, Chief  
Dam Safety Planning Division  
California Governor's Office of Emergency Services  
3650 Schriever Avenue  
Mather, California 95655



Remit payment to:  
Mead & Hunt | Accounts Receivable  
2440 Deming Way | Middleton, WI 53562-1562  
1-888-364-7272 | AccountsReceivable@meadhunt.com

## Invoice

June 11, 2020

Project No: R4583100-180960.01

Invoice No: 304169

Jeff Gouveia  
Bear Valley Water District  
441 Creekside Drive  
Bear Valley, California 95223

Project R4583100- BVWD Bear Valley SH Dam Inundation Map  
180960.01

6/13/18 Contract

**Professional Services from May 1, 2020 to May 31, 2020**

### Fee

Phase	Fee	Percent Complete	Earned	Current
Lump Sum	19,614.00	100.00	19,614.00	1,961.40
Total Fee	19,614.00		19,614.00	1,961.40
	Previous Fee Billing		17,652.60	
	<b>Total</b>			<b>1,961.40</b>
		<b>Total this invoice</b>		<b>\$1,961.40</b>



## Jeff Gouveia

---

**From:** Evan Forbes <eforbes@tesla.com>  
**Sent:** Wednesday, April 1, 2020 3:33 PM  
**To:** Jeff Gouveia  
**Subject:** Jeff, 441 Creekside Dr, Bear Valley, CA 95223

Hi Jeff,

I wanted to reach out to you because of PG&E power outages. We believe that the site is eligible for a free battery to backup the facility with California's Self-Generation Incentive Program (link [here](#), excerpt below). Applications start April 1<sup>st</sup>. We expect the free money to go very quickly.

If interested, who is the best person to contact?

Police stations; fire stations; emergency response providers defined in D.19-05-042; emergency operations centers, centers, also referred to as Public Safety Answering Points; medical facilities including hospitals, skilled nursing facilities, nursing homes, blood banks, health care facilities, dialysis centers and hospice facilities; public and private gas, electric water, wastewater or flood control facilities; jails and other locations designated by the IOUs to provide assistance during PSPS events; cooling centers designated by state or local governments; and, homeless shelters supported by federal, state, or local governments; grocery stores, corner stores, markets and supermarkets that have average annual gross receipts of \$15 million or less as calculated at a single location over the last three tax years; independent living centers; food banks.

Evan



# TESLA COMMERCIAL ENERGY STORAGE

We take a long-term approach to ensure your energy storage system provides maximum performance, simplified integration and all-weather capabilities. You have peace of mind knowing that Tesla has successfully deployed 2.5 million kilowatts of solar and 2 million kilowatt hours of energy storage around the world.



Bear Valley Water District  
441 Creekside Dr, Bear Valley, CA 95223, US

TESLA

Your Tesla contact: Brian Ward  
[briaward@tesla.com](mailto:briaward@tesla.com) | (510) 516-1174

# BEAR VALLEY SITE REVIEW

## Equipment House

### Location

The GPS coordinate location has been identified below:



## Utility Usage History

**Utility:** PG&E

**Meter Number:** 1009992085

**Annual Energy Consumption:** 155,983 kWh

**Annual Peak Power Demand:** 118 kW

## SGIP Equity Resiliency Qualifications for a Tesla Powerpack Status

This site's **Annual Peak Power Demand & Annual Energy Consumption** is qualified for 3 Tesla Powerpacks.

**This site is viable under the program's current guidelines.**



# ENERGY STORAGE SYSTEM RATINGS



Battery Output Rating	174 kW
-----------------------	--------

Battery Size	696 kWh
--------------	---------

Battery Value	\$511,987
---------------	-----------

Total Project Cost	\$0
--------------------	-----

Fully Charged Duration	40 hours
------------------------	----------

Average Duration	20 hours
------------------	----------



## EMERGENCY BACKUP

Powers a facility when the grid goes down



## PEAK SHAVING

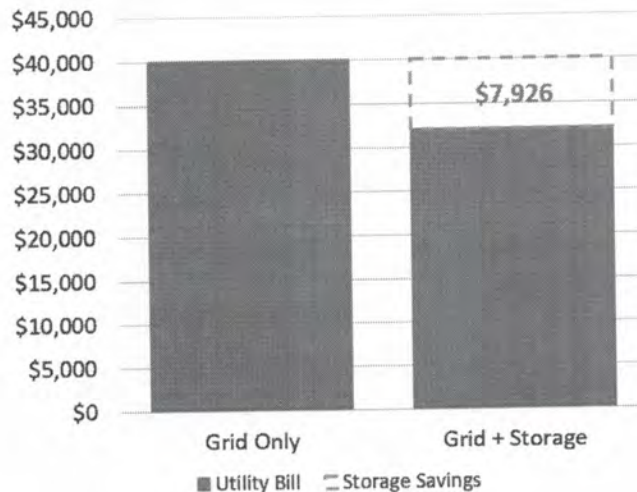
Discharge at times of peak demand to reduce expensive demand charges



# PROPOSED SAVINGS PROJECTIONS

## Battery Energy Storage System Savings

### Estimated Annual Electricity Savings



### Estimated Long Term Electricity Savings

10 Year Value	\$84,791
20 Year Value	\$183,098



### Additional Information

- Main Breaker Downsize included in scope of project to maximize back-up capabilities
  - This Breaker Downsize will allow for full system backup, however will leave little room for future equipment load expansion
- Snow covering for the system included in scope of project
- We recommend that you change to PG&E tariff B-19-S to increase your savings with storage

TESLA

Your Tesla contact: Brian Ward  
briaward@tesla.com | (510) 516-1174

# NEXT STEPS

## Project Stage

## Timeline

### Site Survey

We will request some basic information from your site to prepare our teams for your site survey.

2 days to 2 weeks

### Permitting

We will submit permit to the appropriate regulatory agency.

2 to 6 weeks

### Installation

We will commence installation of your new system once permit is received.

2 to 4 weeks

### Final Inspections

Once installation is complete, we will schedule an inspection with the appropriate regulatory agency and the utility.

2 to 4 weeks

### Permission to Operate

Your utility will grant you permission to operate your new system.

4 to 6 weeks

## Ongoing Support

Visit [Tesla's support page](#) to learn more about your system and feel free to contact us anytime with questions.

\* The proposal and contract are only valid for 30 days after Tesla issuance to the customer



Your Tesla contact: Brian Ward  
briaward@tesla.com | (510) 516-1174



**Energy Products Operation and Maintenance Agreement  
California Self-Generation Incentive Program (SGIP)**

This "Agreement" is between Tesla, Inc. ("Tesla"), and the entity represented by you, as the signatory to this Agreement ("Buyer"). The Agreement consists of (1) the below Price Sheet and (2) the attached terms & conditions, and is effective on the date that you agree to this Agreement (by electronic acceptance, signature or e-mail) (the "Effective Date").

This Agreement accompanies a Tesla Energy Products Purchase Agreement ("Purchase Agreement"), which includes a reduced price as a result of Tesla obtaining the SGIP incentive with respect to the Products (as indicated in the Price Sheet, the "SGIP Incentive").

**Price Sheet**

**Buyer information**

Buyer Name: Bear Valley Water District

Street Address: 441 Creekside Dr, Bear Valley, CA 95223, US

Signatory Name:

Signatory Phone Number:

**Tesla entity**

Tesla, Inc. of 3500 Deer Creek Road, Palo Alto, CA 94304  
888-765-2489  
CA CSLB 949283

**Products**

<b>Products installed under Energy Products Purchase Agreement dated:</b> 05/07/2020	<b>Powerpack:</b> 174kW/696kWh
<b>Products Value:</b> \$511,987	
<b>SGIP Eligible Costs:</b> \$736,048	
<b>SGIP Incentive:</b> \$696,000	

**Services Price**

<b>Annual price for Services:</b>	\$0
<b>Extra Services</b>	<b>Time-and-Materials Rate to be agreed by Buyer</b>

**Payment Terms**

<b>Deadline for Payments:</b>	<b>30 days after date of invoice</b>
-------------------------------	--------------------------------------

**Signed by**

Buyer:

Your signature:

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Tesla, Inc.:

By: 

Title: Sr. Director, Commercial Energy Sales North America

Date: 05/07/2020





Pacific Gas and Electric

selfgen@pge.com

Application ID:

Date Printed: 05/14/2020

Program Year: 2020

**NOTE:** Your application is not submitted until you upload this form and all other required documentation and click on "Submit" via the online system.

**Application Type**

**Application Type:** Energy Storage

**Budget Category:** Equity Resiliency

**Host Customer**

**Contact Name:** Jeff Gouveia

**Company Name:** Bear Valley Water District

**Parent Company Name:**

**NAICS:** 221310

**Is this a public institution?** N/A

**Sector:** State or Local Government

**Sector definition:** Agreed

**Is Household Low-Income Status?**

**Is the Host Customer enrolled for the medical baseline program?**

**Has the Host Customer notified their utility of serious illness or condition that could become life-threatening if electricity is disconnected?**

**Has the Host Customer received an incentive reservation letter from either the MASH, SASH, DAC-SASH, or SOMAH programs?**

**Has applicant coordinated with their local governments and the California Office of Emergency Services?**

**Does the host customer provide critical services or infrastructure during a PSPS event to a community that is at least partially located in a Tier 2 or Tier 3 HFTD and eligible for the equity budget?**

- |   |     |
|---|-----|
| 1. 911 call center/Public Safety Answering Point                                | N/A |
| 2. Cooling center designated by state, local, or tribal government              | N/A |
| 3. Emergency operations center  | N/A |
| 4. Emergency response provider with the addition of tribal government providers | N/A |
| 5. Fire station   | N/A |
| 6. Food bank  | N/A |
| 7. Independent living center  | N/A |
| 8. Jail or prison   | N/A |
| 9. Homeless shelters supported by federal, state, local, or tribal governments  | N/A |

## Self Generation Incentive Program

Reservation Request Form

**Instructions:** This Self-Generation Incentive Program (SGIP) Reservation Request Form is reflective of the information entered in the online form process. Please review thoroughly for accuracy of information before signing. Once the form has been signed by all parties, scan and upload this document under the Reservation Request header in the Documents section of the online application. Incomplete applications will result in a suspended application. Upon successful submission of all reservation request information and documents, the Applicant will receive notice from the SGIP Program Administrator that their rebate request has been received.

**Incentive Step:** 5

**Incentive Rate:** \$1

**Mailing Address:** 441 Creekside Dr

**City, State, Zip:** Bear Valley, CA, 95223

**Phone:** 209753-2112

**Email:** jeff.gouveia@bvwed.ca.gov

10. Medical facility (hospital, skilled nursing facility, nursing home, blood bank, health care facility, dialysis center, or hospice facility) N/A

11. Police station N/A

12. Public and private gas, electric, water, wastewater or flood control facility Yes

13. Location designated by an IOUs to provide assistance during PSPS events N/A

Is this public or tribal government agency serving 50% of a low-income or disadvantaged community census tract?

**System Owner**

<b>Contact Name:</b>	Jeff Gouveia	<b>Mailing Address:</b>	441 Creekside Dr
<b>Company Name:</b>	Bear Valley Water District	<b>City, State, Zip:</b>	Bear Valley, CA, 95223
<b>Parent Company Name:</b>		<b>Phone:</b>	209753-2112
		<b>Email:</b>	jeff.gouveia@bvwd.ca.gov

**Developer**

<b>Contact Name:</b>	Jonathan Gubler	<b>Mailing Address:</b>	3055 Clearview Way
<b>Company Name:</b>	Tesla Inc.	<b>City, State, Zip:</b>	San Mateo, CA, 94402
		<b>Phone:</b>	6509635100
		<b>Email:</b>	commercial.incentives@tesla.com

- |  |         |
|--|---------|
| 1. Approaching or communicating with the host customer about the project and learning about its needs and energy profile   | 1. Yes  |
| 2. Developing the specifications for a system based on the customer's needs and interests  | 2. Yes  |
| 3. Soliciting bids from multiple manufacturers for the specified system  | 3. Yes  |
| 4. Gaining the customer's commitment to purchase or lease the specified system, usually but not necessarily by signing a purchase order with a customer or other form of agreement | 4. Yes  |
| 5. Purchasing the specified system from the manufacturer to fulfill the obligation to provide a system to the customer   | 5. Yes  |
| 6. Securing permits for the system on behalf of the customer   | 6. Yes  |
| 7. Securing interconnection permission for the system on behalf of the customer  | 7. Yes  |
| 8. Submitting SGIP applications on behalf of the customer  | 8. Yes  |
| 9. Liaising with the SGIP administrators on incentive reservations   | 9. Yes  |
| 10. Liaising with the SGIP administrators on data reporting requirements   | 10. Yes |
| 11. Supplying project data to SGIP evaluators  | 11. Yes |
| 12. Physically constructing the system at the customer's premises  | 12. Yes |
| 13. Installing the system at the customer's premises   | 13. Yes |

Who is performing the other activities?

**Applicant**

<b>Contact Name:</b>	Mike Snyder	<b>Mailing Address:</b>	6611 S Las Vegas Blvd Suite 200
<b>Company Name:</b>	Tesla Inc.	<b>City, State, Zip:</b>	Las Vegas, NV, 89119
<b>Parent Company Name:</b>	888104	<b>Phone:</b>	702680-6763
		<b>Email:</b>	commercial.incentives@tesla.com

**Contractor/Installer Contact**

<b>Contact Name:</b>	Mike Snyder	<b>Mailing Address:</b>	6611 S Las Vegas Blvd Suite 200
<b>Company Name:</b>	Tesla Inc.	<b>City, State, Zip:</b>	Las Vegas, NV, 89119
<b>Contractor License Number (CSLB):</b>	888104	<b>Email:</b>	commercial.incentives@tesla.com
<b>Contractor License Type:</b>		<b>Phone:</b>	702680-6763

### Project Site Information

**Site Address:** Equipment HSE, HWY 4  
**City, State, Zip:** Bear Valley, CA, 95223  
**Project site within the SCE-defined local reliability area?** N/A  
**Disadvantaged Community or Low-Income Community according to the CalEnviroScreen?** Low-Income Community  
**Is the site located in a high fire threat district (HFTD)?** Not Applicable  
**Has experienced at least two discrete PSPS events?** Yes  
**Household relies on electric pump wells for their water supplies?** Yes  
**Participating San Joaquin Valley Pilot area?**  
**Agrees to location Eligibility:** Yes

### Utility Information

**Electric Utility:** Pacific Gas and Electric  
**Is the Host on an SGIP-Approved Rate?** Other Non-Approved Rate  
**Electric Utility is Municipal?** N/A  
**Account Name:** Bear Valley Water District  
**Is Existing Service?** No  
**Utility Account ID:**  
**Utility Meter ID:**  
**Gas Utility:**  
**Gas Utility is Municipal?** N/A  
**Account Name:**  
**Is Existing Service?** N/A  
**Utility Account ID:**  
**Utility Meter ID:**

**Peak Annual Demand (kW):** 118  
**Other Rate:** Non-Residential  
**Demand Response Participant?** N/A  
**Demand Response Program Name:**  
**Demand Response Obligation (kW):**  
**System Size Based on Load Growth?** No  
**Estimated Future Additional Demand (kW):**

### Proposed System Information

**Equipment Technology:** Electrochemical Storage  
**System Manufacturer:** Tesla  
**System Model:**  
**Other self-generation or storage equipment onsite?**  
**Charged at least 75% from renewables?** No

**Total Rated Capacity (kW):** 174  
**Total Energy Storage Capacity (kWh):** 696  
**Discharge Hours Duration:** 4

### Other Onsite System Information

SGIP Incentivized System(s) Onsite:

Technology	Make/Model	Project Code	Installed	Energy Storage Capacity (kWh)	Total Rated Capacity (kW)
------------	------------	--------------	-----------	-------------------------------	---------------------------

Non-Incentivized System(s) Onsite:

Technology	Make/Model	Year Installed	Energy Storage Capacity (kWh)	Total Rated Capacity (kW)
------------	------------	----------------	-------------------------------	---------------------------

**Previous SGIP Generator Capacity (kW):** 0

**Previous SGIP Storage Capacity (kWh):** 0



**Project Finance**
**Total Eligible Project Cost (TEPC):**

\$736,048.00

**Ineligible Project Cost:**
**Taking Federal Investment Tax Credits (ITC):**

No

**ITC as a % of TEPC:**

%

**Approved California Manufacturer Equipment:**

No

Other Incentives Received	Incentive Type	Incentive Amount	Description
---------------------------	----------------	------------------	-------------

**Incentive Results**

Incentive Calculation Equity		Current Step 5			Incentive Rate: \$1.00	
Reference Table		0-2 MWH	>2-4 MWH	>4-6 MWH		
0-2 HOURS		100%	50%	25%		
2-4 HOURS		100%	50%	25%		
4-6 HOURS		50%	25%	12.50%		
		0-2 MWH	>2-4 MWH	>4-6 MWH		
<b>Existing Onsite Equipment Offset</b>						
0-2 HOURS		348,000				
2-4 HOURS		348,000				
4-6 HOURS						
Base Equipment Incentive						
CA Manufacturer Adder						
<b>Max Equipment Incentive</b>					a)	\$696,000.00
<b>Other Incentives</b>		<b>Total Dollars</b>			<b>Impact on SGIP Incentive</b>	
Other IOU Incentive		0			b)	\$0.00
Other Non-IOU Incentive		0			c)	\$0.00
Non-Ratepayer Incentive		0				
Investment Tax Credit (0%)		0				
<b>Adjusted Equipment Incentive</b>					a+b+c = d)	\$696,000.00
Total Other Incentives		e)	0			
<b>SGIP Incentive Adjustments</b>		<b>Equipment Incentive +</b>		<b>Total Other Incentives &lt;=</b>	<b>Incentive Cap(s)</b>	<b>Incentive Adjustment</b>
Project Incentive Cap (Equipment)		f)	\$696,000.00		\$5,000,000.00	*g) 0
Eligible Cost Cap (All Incentives)		f+g=h)	\$696,000.00	0	\$736,048.00	**i) 0
Equipment Incentive						***j) \$696,000.00
<b>Calculated SGIP Incentive</b>						<b>\$696,000.00</b>

\* g = 0 if f &lt;= \$5M, otherwise g = \$5M - f

\*\* i = 0 if h + e &lt;= Total Eligible Cost, otherwise i = Total Eligible cost - (h + e)

\*\*\* j = h + i

The incentive adjustments shown above are based on the Total Eligible Project Cost, the Maximum Incentive Cap, and the Minimum Customer Investment. See the SGIP Handbook for more information on incentive limitations.

**Calculated Incentive: \$696,000.00**

If changes have been made to your project since it was originally submitted, the calculated incentive amount above may differ from the requested incentive amount. The final incentive amount is subject to Program Administrator approval.

**Projected PBI Calculation**
**Expected Total Production:** 72,384 kWh

**Total Incentive:** \$696,000.00

**Initial Payment:** \$348,000.00

Performance Based Incentive: \$348,000.00

PBI Rate (\$/kWh): \$0.9615385

### Residential Energy Storage Eligibility Affidavit Requirements of Host Customers and System Owners

- o The energy storage system owner and/or Host Customer have the tools to control the usage of the energy storage system when operating in parallel with the grid.
- o Provide performance data to the Program upon request (emailed, zipped file of 15 minute interval data) for a period of five (5) years.
- o Pass the energy storage Field Verification Inspection.
- o Host Customer and/or System Owner are required to discharge the energy storage system a minimum of 52 full discharges per year. A "full discharge" the equivalent of discharging the SGIP-incentivized energy capacity, whether it is during a single or multiple discharges.
- o Fulfill either of the two following conditions:
  - o Option A: the Host Customer is on a TOU tariff, dynamic tariff (e.g. PG&E's SmartRate or SDG&E's Reduce Your Use), or agrees to integrate load through the California Independent System Operator's Proxy Demand Response, or equivalent tariff, prior to receiving the SGIP incentive and for five (5) years thereafter. Note that in the event that the Host Customer changes to a non-TOU tariff or is no longer enrolled in a demand reduction program, the energy storage System Owner is required to notify the Program Administrator within 30 days of change, and will be subject to Option B for the required five year period.
  - o Option B: the Host Customer and/or System Owner agrees, for a minimum period of five (5) years, to discharge the energy storage system in an amount equivalent to 52 complete cycles per year of the incentivized energy capacity, which is defined as two hours of discharge at the SGIP incentivized power capacity rating, with discharges occurring during peak hours or peak day events (such as those called by PG&E's SmartRate program or SDG&E's Reduce Your Use), of the applicable IOU service territory.

### Declarations by Host Customer and System Owner

By Execution of this document, System Owner and Host Customer each certify that the Project meets all program eligibility requirements and that the System Owner and Host Customer agree to abide by the rules and requirements set forth in the SGIP Handbook and SGIP Contract. The undersigned declare under penalty of perjury under the laws of the State of California that 1) The information provided is true and correct, and 2) the above-described generating system is new and intended to offset part or all of the Host Customer's electrical requirements at the site of installation. For residential energy storage projects, the Host Customer and System Owner certify that they have read and agreed to the terms of the Residential Energy Storage Eligibility Affidavit.

The Host Customer and System Owner are committed to completing this project, and by signing below, are starting their intent to contract with individual(s) necessary for completion of the project. The Host Customer is the reservation holder and reserves the right to submit new project specifications, including a new application with alternative System Owner and/or Applicant designations, upon withdrawal from the project and cancellation of this Agreement.

### Host Customer Signature

Print Name: Jeff Gouveia

Signature: 

Jeff Gouveia (May 14, 2020)

Title: General Manager

Date: May 14, 2020

### System Owner (if not Host Customer)

Print Name:

Signature:

Title:

Date:

### Applicant (if not Host Customer)

Print Name: Mike Snyder

Signature: 

Mike Snyder (May 14, 2020)

Title: Director, Engineering Date: May 14, 2020

### Developer

Print Name:

Signature:

Title:

Date:



## We're here to help throughout the COVID-19 crisis

If you have recently lost your job, even if you are receiving unemployment benefits, you may qualify for a reduced energy rate through our CARE or FERA programs. [VISIT COVID-19 CONSUMER PROTECTIONS](#)

[VISIT CARE/FERA](#)

[CLOSE](#)



[EMERGENCIES](#)



UNDERSTAND THE PROCESS

## Discover the Self-Generation Incentive Program for non-residential customers

### Financial incentives for non-residential customers installing battery storage or generation equipment

#### Who is this program for?

The Self-Generation Incentive Program (SGIP) provides cash incentives that can cover up to the full cost of a battery and installation. All PG&E customers can apply for SGIP



incentives, and as a non-residential customer, you may be eligible for increased incentives depending on your location and if you provide critical services to vulnerable communities. Continuing to serve your community and your customers during a power outage is important, and we want to help you.

### Battery storage:

Deciding if a battery is right for you? Check out our [battery storage page](#) to see if a battery is right for your needs.

### Important SGIP information:

- To apply for SGIP incentives: complete the [online application](#).
- Project developers who wish to apply should [complete the SGIP Developer Registration Form](#).
- Higher base incentives are reserved for those who are both vulnerable to [Public Safety Power Shutoffs](#) (PSPS) outages, and provide critical functions for customers during the outage(s). Whether you are applying for battery storage incentives, generation incentives, or both, please navigate to each tab to learn more about base incentives, eligibility, and timing to apply.

## CHOOSE VIEW

Battery Storage

**You may be eligible to receive a fully funded battery.** Anyone can apply for SGIP incentives, and to help critical facilities and infrastructure stay online for customers and communities vulnerable to PSPS events, SGIP offers incentive levels high enough to potentially provide those facilities with a free battery. Batteries vary in the amount of energy they can store, and this energy storage capacity is typically measured in kilowatt-hours (kWh) or watt-hours (Wh). To help you address your specific needs and help you cover your specific costs, SGIP incentives are provided on a Wh basis. Please

check the “BASE INCENTIVES, ELIGIBILITY & TIMING TO APPLY” section to see what incentive level you may qualify for.

## **BASE INCENTIVES, ELIGIBILITY & TIMING TO APPLY:**

### Base Incentives

#### **“Equity Resiliency” Incentives**

You will receive \$1.00/Wh (which could cover up to 100% of your costs). **Please note:** your base incentive may increase or decrease depending on several factors. Please see the FAQs section below to learn more.

#### **“Equity” Incentives**

You will receive \$0.85/Wh (which could cover approximately 85% of your costs). **Please note:** your base incentive may increase or decrease depending on several factors. Please see the FAQs section below to learn more.

#### **Large-Scale “General Market” Incentives**

General Market (GM) incentives decrease based on the funds still available. To track the current GM incentive “step”, please [visit the statewide SGIP site and select the budget category of interest \(Large-Scale Storage\)](#).

**Please note:** your base incentive may increase or decrease depending on several factors. Please see the FAQs section below to learn more.

# Eligibility Criteria

## “Equity Resiliency” Incentives

To receive Equity Resiliency incentives, you must:

1. be located in a **Tier 2 or Tier 3 HFTD**; or were subject to two or more discrete PSPS events prior to the date of application for SGIP incentives  
**AND**
2. provide either critical facilities or critical infrastructure (see definition below) to at least one community that is:
  - located in a **disadvantaged community or a low-income community**  
**AND**
  - at least partially located in a **Tier 2 or Tier 3 HFTD** OR has customers whose electricity was shut off 2+ times during PSPS

## “Equity” Incentives

To receive Equity incentives, you must:

1. be located in a **disadvantaged community or a low-income community**  
**AND**
2. be one of the following:
  - local governmental agency
  - state governmental agency
  - educational institution
  - non-profit organization



- small business (average annual gross receipts of \$15 million or less, over the last three tax years)

## **Large-Scale “General Market” Incentives**

To receive Large-Scale General Market incentives: the customer is either Commercial, Government, or Non-Profit

## Timing to Apply

### **“Equity Resiliency” Incentives**

Equity Resiliency incentives are currently fully subscribed, but you may still apply to join the waitlist. This budget category will likely receive more funding and updates can be found in the [statewide announcements](#) page.

### **“Equity” Incentives**

Equity incentives are currently fully subscribed, but you may still apply to join the waitlist. Please keep in mind that there is a significant waitlist and this budget category will not receive more funding. Updates can be found in the [statewide announcements](#) page.

## **Large-Scale “General Market” Incentives**

## Jeff Gouveia

---

**From:** Evan Forbes <eforbes@tesla.com>  
**Sent:** Thursday, June 11, 2020 8:18 AM  
**To:** Jeff Gouveia; Steven Young; Brian Ward; Sean Kredel  
**Cc:** Don Sebastian  
**Subject:** RE: BVWD, Tesla & SGIP

Hi Jeff,

From a funding standing point, we are in a holding pattern until the state releases the money. We anticipate that to be late July. We hoped it was going to be sooner, but the state has been vague on funding dates (and slow).

Your project is high on the waitlist because we moved so quickly. The state should notify both us and you when the project has been granted funding.

Evan

**Evan Forbes | Inside Sales, Commercial & Utilities**

47700 Kato Rd | Fremont, CA 94538

e [eforbes@tesla.com](mailto:eforbes@tesla.com)



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Please consider the environment before printing this email.

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**From:** Jeff Gouveia <Jeff.Gouveia@bvwd.ca.gov>  
**Sent:** Thursday, June 11, 2020 7:15 AM  
**To:** Steven Young <stevyoung@tesla.com>; Brian Ward <briaward@tesla.com>; Sean Kredel <skredel@tesla.com>  
**Cc:** Evan Forbes <eforbes@tesla.com>; Don Sebastian <dsebastian@tesla.com>  
**Subject:** RE: BVWD, Tesla & SGIP

Hi Steven,

Any updates on this project ?

---

**Jeff Gouveia | General Manager |**  
Bear Valley Water District  
441 Creekside Drive | PO Box 5027, Bear Valley, CA 95223 |  
O: 209.753.2112 | C: 209.743.0836 | F: 209.753.6267  
[Jeff.Gouveia@bvwd.ca.gov](mailto:Jeff.Gouveia@bvwd.ca.gov) | [www.bvwd.ca.gov](http://www.bvwd.ca.gov) |

## Jeff Gouveia

---

**From:** Hughes, Timothy - FS <timothy.hughes@usda.gov>  
**Sent:** Friday, June 12, 2020 12:06 PM  
**To:** Jeff Gouveia  
**Cc:** Jardine, Casey A -FS; Cablayan, Ray -FS; Newburger, Todd - FS; Martinez, Beth H -FS  
**Subject:** East End Lake Alpine Toilets

Jeff,

Installation of vault toilets at the US Forest Service facilities at the east end of Lake Alpine is complete. This email is a recommendation to the Calaveras Ranger District to approve BVWD removal or decommissioning of the BVWD sewer lift station located in the Chickaree Day Use Area.

The Forest Service will be removing the Forest Service sewer lift station in the Marmot Day Use area sometime this fall after converting the existing facility to a vault toilet. This will leave only the Lake Alpine CG, the Lake Alpine Boat Ramp Day Use Area, and the Silvertip CG toilets on the BVWD collection system.

Please let me know if you have any questions.

Thank you,



Tim Hughes, PE  
Forest Engineer

Forest Service  
Stanislaus National Forest

p: 209-288-6329

c: 209-768-0402

[timothy.hughes@usda.gov](mailto:timothy.hughes@usda.gov)

19777 Greenley Road  
Sonora, CA 95370

[www.fs.fed.us](http://www.fs.fed.us)



Caring for the land and serving people

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May 20, 2020

To the Board of Directors, Staff and Customers,

Pursuant to the California Emergency Services Act, Government Code Section 8634, during a local emergency the Bear Valley Water District qualifies as an Essential Governmental Function because wastewater collection, treatment and disposal services are necessary to maintain the health and safety of our customers and the community. Accordingly, the District will remain operational while implementing the recommendations in the Centers for Disease Control and Prevention's (CDC) ***Interim Guidance for Implementing Safety Practices for Critical Infrastructure Workers*** to help prevent and slow the spread of COVID-19 in the workplace.

To ensure continuity of operations of essential functions, the CDC together with the Environmental Protection Agency (EPA) advise that critical infrastructure workers may be permitted to continue work provided they remain asymptomatic and additional precautions are implemented to protect them and the community including the development and implementation of a worksite specific COVID-19 prevention plan.

To this end, the Bear Valley Water District has developed the attached worksite specific COVID-19 Plan ("Plan") which establishes protocols and procedures to protect both the District's administrative and field staff as well as the public generally. The Plan specifies the measures the District will practice to follow guidelines promulgated by the CDC, EPA, California Department of Public Health (CDPH), Alpine County Health Department, Cal OSHA and the Department of Industrial Relations (DIR). These measures include policies for cleaning and disinfecting public spaces and the workplace generally as well as guidance to ensure proper social distancing. The Plan also calls for the temporary closure of the District office to the public and provides measures to receive essential payments and deliveries while maintaining proper distancing.

The Plan may be updated from time to time as may be necessary to respond to federal, state and local orders and to implement or modify best practices to ensure continued public health and safety. A copy of the Plan and other COVID-19 related materials will be posted on the door of the District's administrative office and can also be found on the District's website at <http://bvwd.ca.gov/covid-19>.

The Bear Valley Water District will continue to operate according to the Plan until further notice or as changes to health orders or guidance from the Alpine County Public Health Officer ensue to ensure the continued provision of Essential Government Functions while doing its part to help stop the spread of COVID-19.

Sincerely,

Jeff Gouveia  
General Manager

Attachments:  
BVWD COVID-19 Plan (as of May 20, 2020)

**BVWD COVID-19 Plan as of May 20, 2020**

According to the CDC, the best way to prevent illness related to COVID-19 is to avoid being exposed to the coronavirus. The virus is believed to spread mainly from person-person between people who are in close contact with one another (within about 6 feet). These guidelines are intended to protect the health and safety of District staff as well as the public generally and include infection prevention measures which critical infrastructure workers should adhere to prior to, during and after their work shift.

1. Prior to starting work, field staff and essential administrative staff who report to work will complete both a daily pre-work temperature check and pre-screening questionnaire. Screeners should wear appropriate PPE, including mask and gloves, when performing screenings and avoid close contact with employees to the extent possible. Administrative staff shall exclusively complete these tasks in the office lobby while field staff shall complete them at the sink in the field staff shop to minimize the potential of cross infection between these departments. As long as the employee doesn't have a temperature or symptoms, they should proceed to work and self-monitor throughout the day under the supervision of their supervisor.
2. Administrative staff shall work from home as much as feasible, but may come to the office when necessary. All calls to District office desk phones will be forwarded to staff cell phones when feasible if working remotely.
3. Administrative staff who do report to work shall wear masks in the office except when at their personal workstation (must be at least 6' away from the nearest workstation), when consuming a meal during their meal period or when working in the office alone. District issued facemasks or District approved employee supplied cloth face coverings may be used.
4. Field staff shall wear masks in the shop, treatment plant, lift stations and shared vehicles except when at their personal workstation (must be at least 6' away from the nearest workstation), when consuming a meal during their meal period or when working in these facilities or driving alone. District issued facemasks or District approved employee supplied cloth face coverings may be used. Field staff may elect to not wear masks when working outside (excluding collection system maintenance crews) unless working with a co-worker at a distance of less than 6 feet when performing an essential task.
5. All staff shall physically distance when taking breaks or having lunch together. Staff are encouraged to stagger breaks, to not congregate in break areas and to not share food or utensils.
6. Public access to the District office has been discontinued until further notice and the main office door will remain locked with policies posted on the door highlighting the current measures the District has taken to protect public safety; delivery services will be instructed to drop packages at the adjacent shop door to protect and maintain proper distancing from the reception desk. The public may utilize the self-service payment drop box located outside the main office door when issuing payments for services. If administrative staff must open the office door, (e.g. emergency) appropriate personal protective equipment (PPE), including a mask and gloves, shall be worn.
7. All staff shall adopt the following social distancing measures, including:
  - a. No sharing of workstations or other individual equipment, such as headsets – workstations should be modified to be at least 6' from the next nearest workstation
  - b. Wiping and disinfecting of shared equipment (timeclocks, tools, control switches, generators, etc.) before and after use
  - c. For rooms that are too small to allow appropriate social distancing (e.g. Bee Gulch Lift Station), only one staff member will work in the room at a time when possible
  - d. Field staff shall keep personal items such uniforms and lunch boxes, in their personal cubby or shelf, not in a fashion where personal items are comingled in any way with other staff's personal items
  - e. Staggered shifts shall be implemented with treatment and disposal staff starting at 7:30AM and collection system maintenance staff starting at 8:00AM to reduce the number of staff in the shop to a minimum
  - f. Daily Field Staff meetings shall be held outdoors, or under the eaves during inclement weather, maintaining at least 6' social distance between each employee
  - g. In the event of face-to-face contact with a resident, field staff shall ensure they are wearing masks and maintain a distance of at least 6'; non-essential interaction with residents should be avoided



8. The District shall provide every employee with (2) bottles of personal hand sanitizer, (2) washable face masks and a copy of this Plan. Employees should avoid sharing any of these items to limit the potential for exposure to the virus. When an employee is in need of more PPE, hand sanitizer, etc. they should contact their supervisor for additional supplies.
9. The District shall provide disinfectant wipes for staff to use routinely on their workstations, work vehicles, and other items. Disinfectant wipes should only be disposed of in the trash and never flushed down the toilet.
10. Pursuant to the CDC Guidance for Cleaning and Disinfecting Public Spaces and Workplaces, the following cleaning regime shall be in effect until further notice:
  - a. Administration Office - The Office Manager, utilizing an EPA-approved disinfectant, will provide routine cleaning and disinfection of the administrative office at least daily, specifically ensuring disinfection of offices, bathrooms, timeclocks, light switches, countertops, common areas and shared electronic equipment. More frequent cleaning may be necessary based on the level of use. The Office Manager shall also increase air exchange in the office when feasible by opening windows during business hours.
  - b. Field Staff Shop and District Vehicles - The Chief Plant Operator (CPO) or his delegate, utilizing an EPA-approved disinfectant, will provide routine cleaning and disinfection of the shop and all vehicles at least daily, specifically ensuring disinfection of common areas, bench tops, door knobs, light switches, sink faucets, timeclocks, shared tools and electronic equipment as well as truck door handles, steering wheels, gear shifts, radios, tool boxes, etc. More frequent cleaning may be necessary based on the level of use. The CPO shall also increase air exchange in the shop when feasible by opening doors and allowing them to remain open during business hours.
11. Staff are reminded to abide by other recommendations from the CDC and Alpine County Health Officer, including:
  - a. maintain at least 6' social distance from other staff or members of the public
  - b. stay out of crowded places and avoid mass gatherings
  - c. washing hands frequently with soap and water, including scrubbing with soap for 20 seconds
  - d. using a hand sanitizer with at least 60% ethanol or 70% isopropanol when handwashing is not available
  - e. avoid touching your eyes, nose and mouth
  - f. cover coughs and sneezes with a tissue or use the inside of your elbow
  - g. stay home when sick
  - h. avoid sharing audio equipment, phones, tablets, pens
  - i. face coverings should be washed after each shift

If an employee becomes sick during the day, they should be sent home immediately. Employees should remain at home and contact their supervisor to discuss all viable options as recommended by the local public health office. Surfaces in their workspace should be immediately cleaned and disinfected. Information on persons who had contact with the ill employee during the time the employee had symptoms and 2 days prior to symptoms should be compiled. Others at the facility with close contact within 6 feet of the employee during this time would be considered exposed.

To ensure continuity of operations of essential functions, the CDC advises that critical infrastructure workers may be permitted to continue to work following potential exposure to COVID-19, provided they remain asymptomatic and follow the precautions outlined in this Plan. However, under CDC guidance, additionally the employee shall wear a facemask at all times while in the workplace for 14 days after the last exposure. Employees exposed to someone confirmed to have COVID-19 should consult with their supervisor about appropriate additional actions to take based on individual circumstances.

This Plan will remain in effect until further notice or changes in orders from the County Public Health Officer or the Governor's office.

For Employees Interested in Communicating with the local health department:

Alpine County Health Department  
Richard O. Johnson, M.D., MPH  
Public Health Officer  
Office: 530.694.2146, Ext. 249  
[rjohnson@alpinecountyca.gov](mailto:rjohnson@alpinecountyca.gov)

**Purpose:** Based on the *Interim Guidance for Implementing Safety Practices for Critical Infrastructure Workers*, the Bear Valley Water District is screening ALL employees for symptoms related to COVID-19 to help prevent and slow the spread of the disease in the workplace.

**Instruction** ALL employees and government officials entering the building must complete this questionnaire.

[illegible]

\* If you have any of the above symptoms or if you have a recorded temperature greater than 100.4 F, you should stay home from work and consult with your supervisor on alternate work arrangements.

\* If you have none of the above symptoms, please self-monitor for the onset of these symptoms throughout the day. If symptoms develop, tell your supervisor and go home immediately.



## Jeff Gouveia

---

**From:** Marshall, James@Waterboards <James.Marshall@waterboards.ca.gov>  
**Sent:** Friday, May 1, 2020 6:49 AM  
**To:** Marshall, James@Waterboards  
**Cc:** Laputz, Adam@Waterboards; Goode, Danielle@Waterboards; Scroggins, Matt@Waterboards; Palmer, Joshua@Waterboards; Pagan, Jeremy@Waterboards; Hatton, Scott@Waterboards; Elkins, John@Waterboards  
**Subject:** Cloth Mask Distribution - Waste Water and Drinking Water Facilities

This email is being sent as a Bcc: to all NPDES permitted wastewater treatment facilities within the Central Valley Regional Water Quality Control Board.

The Federal Emergency Management Agency (FEMA), through a joint effort with the US Environmental Protection Agency (US EPA), the National Water and Wastewater Agency Response Network (WARN), and the American Water Works Association (AWWA), is providing a limited supply of cloth facemasks to the California water and wastewater utilities/agencies. These cloth facemasks are being received by California WARN (CalWARN).

CalWARN is working to distribute the cloth facemasks with the assistance of CA-NV AWWA and the SWRCB-Division of Drinking Water (DDW). Although the distribution is being handled by CalWARN, you do not need to be a CalWARN member to request and pick up the cloth facemasks.

CalWARN is establishing Commodity Points of Distribution (CPODs) throughout the state to distribute the cloth facemasks. CPODs are locations where the bulk cloth facemasks can be sent for subsequent scheduled pick-up by water and wastewater utilities/agencies. To meet this challenge CalWARN has established a CPOD webpage page to allow all water and wastewater utilities/agencies to place their order for the cloth facemasks.

About the cloth facemasks:



- Are reusable and washable
- Single size (one size fits all)
- Fabric touching skin is 100% cotton
- NOT for use with chemicals or in hazardous environments where N95 or other respirators are required

To request these cloth facemasks through CalWARN, please follow the detailed instructions found on the CalWARN webpage – [www.calwarn.org](http://www.calwarn.org). Note that Chrome or Edge Browsers are preferred with this process.

Some key points of the CPOD program are:

- Cloth masks are being made available to all water and wastewater utility/agency employees in California on a first come – first served basis.
- Go online to the link [www.calwarn.org](http://www.calwarn.org) where the instructions, CPOD forms and processes are located.
- Provide basic information about you and your water or wastewater utility/agency on the form. This is to verify that you are a California water or wastewater utility/agency.
- Identify the number of cloth facemask requested – current limit of two cloth facemasks per employee.
- Based on your county, select the CalWARN Region CPOD registry.
- Once approved, the CalWARN Region Chair or designee will send you an email to confirm the amount and provide a link that you will use to choose the location to pick-up your items. The appointment system will provide the date and time slots that are available at that location to ensure the proper social distancing.
- To ensure mutual health and safety protection (practice good hygiene procedures, maintain the minimum 6 feet physical distancing, and wear facemask), bring a distance readable identification to show to the CPOD personnel, facilitate the process, and minimize the need to have any contact.
- Once completed, please transmit a confirmation email to the CalWARN Region Chair that your transaction has been completed.

This is an unprecedented situation in our state and the efforts by the water sector are essential and critical. Flexibility is key. This CPOD process has not been done before at this scale in the water and wastewater utility/agency sector and efforts are being aimed to make this as smooth as possible for you and volunteer utilities/agencies and staff.

Best Regards,

Jim Marshall, P.E.  
 Supervising Water Resource Control Engineer  
 NPDES Program Manager  
 Central Valley Regional Water Quality Control Board  
 11020 Sun Center Drive, Suite 200  
 Rancho Cordova, CA 95670  
 (916) 464-4772 (direct)  
[James.Marshall@waterboards.ca.gov](mailto:James.Marshall@waterboards.ca.gov)



## California's Recycled Water and Treated Wastewater Is Safe from the COVID-19 Virus

### ***Existing stringent state standards protect public from COVID-19***

- Wastewater treatment plants treat municipal wastewater to standards that protect the beneficial uses of the waters into which the treated wastewater is discharged. Some plants treat wastewater to more stringent standards so that the highly treated water can be reused for landscape irrigation, dust control at construction sites, and groundwater recharge for future use as a drinking water source. The level of treatment required depends on the beneficial uses of the receiving waters and ultimate use of the treated wastewater.
- Sanitation experts have determined that existing treatment plant disinfection processes successfully disinfect wastewater containing the COVID-19 virus.
- Municipal wastewater treatment plants in California go beyond minimum requirements and provide additional tertiary filtration treatment to meet stringent State Water Board public health standards for water disposal or water recycling whenever there is a risk to the public.
- The State and Regional Water Boards establish and enforce stringent municipal wastewater treatment and water recycling standards in order to protect drinking water sources including surface and ground water bodies. Wastewater treatment is an essential function, and this work continues during the COVID-19 emergency.
- Recycled water treatment facilities predominately utilize a multi-barrier approach to remove contaminants, including viruses. Having multiple layers of treatment provides extra layers of safety and helps ensure that viruses are continuously removed or destroyed so that essentially none remain.
- Wastewater treatment plants are engineered to disinfect treated wastewater through chlorination and/or ultraviolet light disinfection processes as a final step that successfully eliminate viruses not destroyed in the other layers of treatment. This provides further assurance that the water is safe to be recycled or discharged back to land or surface water.



- The State Water Board requires all wastewater treatment plant operators to be state-certified and specially trained to continuously optimize treatment performance and comply with stringent discharge requirements.
- All discharges from public wastewater treatment plants in California are routinely monitored for bacteria and other indicator organisms.
- Viruses, including COVID-19, are inactivated during the wastewater treatment process and do not end up in left-over biosolids or sludge. Viruses are inactivated throughout the different stages of the wastewater treatment processes and again in the biosolids treatment process itself from heat exposure during anaerobic digestion.

### Contact Your Municipal Sanitation or Water Recycling Agency

The State and Regional Water Quality Control Boards work closely with municipalities to provide sanitary sewer and wastewater treatment services to residential, commercial and industrial customers. Your local sanitation agency or water recycling agency can answer questions about your local wastewater or recycled water operations. Their website, phone number and email contacts should be located on the front or back of your water or sewer bill.

### What Others Are Saying

**United States Environmental Protection Agency:** “Standard treatment and disinfectant processes at wastewater treatment plants are expected to be effective.”

**Federal Centers for Disease Control:** “At this time, the risk of transmission of the virus that causes COVID-19 through sewerage systems is thought to be low. Although transmission of the virus that causes COVID-19 through sewage may be possible, there is no evidence to date that this has occurred. The available information suggests that standard municipal wastewater system chlorination practices may be sufficient to inactivate coronaviruses, as long as utilities monitor free available chlorine during treatment to ensure it has not been depleted.”

**Water Environment Federation:** “Current efforts to elucidate numbers of infections in the community and support public health surveillance have relied on detecting the virus in wastewater using molecular techniques that identify genetic material (RNA), but this method does not assess virus viability or infectivity. Further, there is currently no epidemiological evidence that wastewater is a route of transmission.”

**World Health Organization:** “There is no evidence that the COVID-19 virus has been transmitted via sewerage systems with or without wastewater treatment.”

## **Additional Resources**

For more information and frequent updates about what [California is doing](#) to respond to the emergency and prepare for the ongoing impacts of COVID-19, please visit the [California Department of Public Health](#) and [Governor's Office of Emergency Services](#) website.

*(This fact sheet was updated on April 21, 2020)*



# Current Priority: Coronavirus

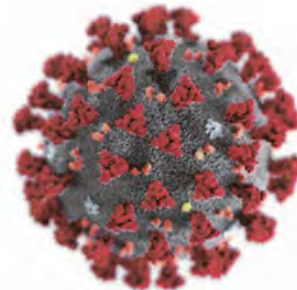
[Home \(/\)](#) > [WEF News Hub \(/news-hub/\)](#) > [Current Priorities](#) > [Current Priority: Coronavirus](#)

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Share

**Page last updated: June 16, 2020**

This page will be updated periodically with limited general information, specific water-sector technical information, WEF events information, and links to trusted sites for the most up-to-date official information.



## What we know today

**To date, the scientific community has found no evidence of viable COVID-19 virus in wastewater systems.**

Current efforts to elucidate numbers of infections in the community and support public health surveillance have relied on detecting the virus in wastewater using molecular techniques that identify genetic material (RNA), but this method does not assess virus viability or infectivity. Further, there is currently no epidemiological evidence that wastewater is a route of transmission.

**While there is still a lot we don't know, it appears that contracting COVID-19 through exposure to wastewater is unlikely.**

[Privacy Policy](#)

WEF is continuing to work on the matter of wastewater worker protection from disease causing microorganisms and pathogens, in general — especially via aerosols — by forming a Blue Ribbon Panel to address the issue of required personal protective equipment and protective work and hygiene practices.

WEF will continue to post the latest information on this page. See also "Biological Hazards at Wastewater Treatment Facilities, (<https://accesswater.org/?id=-10016716&fromsearch=true#iosfirsthighlight>)" which is Chapter 8 of *WEF's Manual Practice No. 1, Safety, Health, and Security in Wastewater Systems (Sixth Edition)*.

## From the U.S. CDC

**Currently, there is no evidence that coronavirus survives the disinfection process for drinking water and wastewater.**

- The COVID-19 virus has not been detected in drinking water.
- The risk of transmission through feces is expected to be low based on data from previous outbreaks of related coronaviruses, such as severe acute respiratory syndrome (SARS) and Middle East respiratory syndrome (MERS).
- At this time, the risk of transmission of COVID-19 through sewerage systems is thought to be low.

**No coronavirus-specific protections are recommended for employees involved in wastewater management operations, including those at wastewater treatment facilities.**

- Water resource recovery facility operations should ensure workers follow routine practices to prevent exposure to wastewater. These include using engineering and administrative controls, safe work practices, and personal protective equipment (PPE) normally required for work tasks when handling untreated wastewater.
- Water workers should
  - wear appropriate PPE, which includes protective outerwear, gloves, boots, and goggles or face shield masks;
  - wash their hands frequently; and
  - avoid touching eyes, nose and mouth with unwashed hands.

Source: U.S. CDC, Water Transmission and COVID-19  
(<https://www.cdc.gov/coronavirus/2019-ncov/php/water.html>)

Privacy Policy





ENVIRONMENTAL SALES • RENTALS • SERVICE

May 12, 2020

Bear Valley Water District  
441 Creekside Dr  
Bear Valley, CA 95223

Attn: Jeff Gouveia, General Manager

Subject: **Vanguard 360 Pathogen Defense System**

On behalf of the employees of Owen Equipment Company, I wanted to thank you for your interest in the Vanguard Pathogen Defense System. Pursuant to your request, attached is a Proposal for the Vanguard 360 Pathogen Defense System. As we talked on the phone, the installation can be done using your staff and the unit will come with the necessary Installation instructions. The system should take around 16 manhours to install.



**VG-171-JTCL System Includes:**

Dual Pump Main Control System  
Spray Collar Assembly (6061 Aluminum)  
Spray Collar Holster (conveniently holds collar between cleaning runs)  
50' Retractable Hose Reel  
Spray Hand Gun with 3 nozzles (0°, 15°, 25°)  
5 Gallon Antibacterial Concentrate Tank  
Front or Rear mounted valve control kit (operates at jet control panel)

Portland 13101 NE Whitaker Way • PO Box 30959 • Portland, OR 97294  
(503) 255-9055 • (800) 992-3656 • fax (503) 256-3880

Kent 8721 South 218<sup>th</sup> Street • Kent, WA 98031  
(253) 852-5819 • (800) 422-2059 • fax (253) 852-8913

[www.owenequipment.com](http://www.owenequipment.com)







ENVIRONMENTAL SALES • RENTALS • SERVICE

Aluminum adaptor block w/bolts for hose guide  
Electrical & System Installation Kit

Unit Price, VG-171-JTCL.....	\$8,995.00
Sales Tax (7.25%) .....	\$ 652.14
Freight to .....	\$ 150.00
Labor and Sani Solution .....	Not included
Total Package Price, FOB Redwood C.....	\$ 9,647.14

Sani Solution, SSL-55, 55 gallon drum.....	\$ 1,900.00
Sani Solution, SSL-05, 5 gallon drum.....	\$ 225.00

*Sani solution dilution rate is 29:1. Price does not include sales tax or freight on the sani solution.*

THE PROPERTY HEREIN IS GUARANTEED BY MANUFACTURER'S WARRANTY ONLY AND SELLER MAKES NO WARRANTY EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR OTHERWISE, OR OF FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTENDS BEYOND THE ABOVE DESCRIPTION OF THE EQUIPMENT.

**NOTE:** Price is good for 30 Days. Cost increases due to the addition of Government mandated safety or environmental devices incurred after the date of this proposal, will be charged to you at our cost. Proof of such costs, if any, will be documented.

**TAXES:** SALES TAX applicable at time of delivery will be shown on our invoice. FEDERAL EXCISE TAXES, if applicable, will require payment unless a properly executed Exemption Certificate is submitted.

**DELIVERY:** 30-45 Days ARO

**TERMS:** Balance due on delivery.

Please let me know if you have any questions or if I can be of further assistance. My phone number is (510) 604-9970

Sincerely,

*Alan Freeman*

Alan Freeman  
Territory Manager  
Office: 707-422-2333  
Cell: 707-237-1020  
E-mail: [afreeman@owenequipment.com](mailto:afreeman@owenequipment.com)

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## Public Health Brief

**Richard O. Johnson, M.D., MPH**

Public Health Officer

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**Nichole Williamson**

HHS Director

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Dispatch: 530-694-2231, Ext 330



Wednesday, June 10, 2020

## Health Officer Guidance for Reopening in Alpine County

Alpine County has only identified one laboratory confirmed case of COVID-19 infection, back in March 2020. Extensive laboratory testing has begun in the last week, with sites in Woodfords, Bear Valley, and Kirkwood testing a total of over 200 persons so far. No positives have been identified. We have trained staff capable of performing case investigation and contact tracing when we do identify any subsequent cases. We have filed attestation documents with the state that we are ready to move ahead in reopening.

<https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/COVID-19/Alpine%20Attestation.pdf>

We are acutely aware that cases continue to accumulate in surrounding jurisdictions, with 9 counties now being monitored closely as cases and hospitalizations and deaths climb as steps are taken to reopen. We perform surveillance activities 7 days per week in order to maintain up-to-date awareness of various indicators that might indicate the need to alter our plans as we reopen.

The Governor and the State Health Officer still have stay-at-home orders in place (May 7<sup>th</sup>) and encourage people not to travel significant distances as much as possible. In addition, mass gatherings are prohibited, with the exception of faith-based services, cultural ceremonies, and protests. Gatherings are defined as "meetings or other events that bring together persons from multiple households at the same time for a shared or group experience in a single room, space, or place such as an auditorium, stadium, arena, large conference room, meeting hall, or other indoor or outdoor space". Note that there is no group size mentioned – it is all about people mixing from different households and different geographic areas.



**Public Health**  
Prevent. Promote. Protect.

Alpine County Health Department, 75-B Diamond Valley Rd., Markleeville, CA 96120  
Alpine County Board of Supervisors, Phone: (530) 694-2281  
District 1: Donald M. Jardine, District 2: Ron Hames, District 3: Katherine Rakow,  
District 4: Terry Woodrow, District 5: David Griffith



On June 5<sup>th</sup>, the Governor released guidance from the California Department of Public Health and Cal/OSHA on opening various sectors with modifications, with the final decision on timing left up to the local Health Officer. Opening does not mean that the risk of COVID-19 is gone. We need to continue to keep physically distanced, wash our hands, avoid touching our faces, and we are encouraged to wear face coverings when we cannot maintain social distancing, especially indoors. These behaviors are up to the individual and are more important than any Health Officer policy in limiting the spread of disease in our community.

Given the current situation in Alpine County, I am authorizing all sectors for which the Governor has released guidance to reopen as soon as this Friday June 12<sup>th</sup>. Here is the link to the guidance documents: <https://covid19.ca.gov/roadmap-counties/#track-data>

Although we do not plan to inspect facilities for compliance or certify such, we are happy to review any of your plans with you. We encourage you to implement these modifications to increase the confidence of your staff and guests that you are working to decrease the risk of exposure as much as possible.

We have already been in touch with many of you. Most campgrounds are open or opening soon once the usual seasonal preparation is complete. Hotels, motels and short-term rentals may operate. Short-term rentals, pools and spas are included in the guidance document for hotels and lodging. Outdoor activities are included in the guidance for campgrounds. Note that group sports activities involving multiple households, especially from out of the county, are prohibited. County offices and facilities are closed except for campground, tennis courts, disc golf, and outdoor area of the museum. Fishing season is open, restaurants can offer dine-in service, and lodging is available. We are concerned that large numbers of people have been dispersed camping throughout the county. Be aware that campfires are only permitted in developed hosted campgrounds with fire rings. This is fire season!!

There is much to learn about COVID-19, and our plans are based on the information at hand on any given day. We expect as things open up that there will be more cases. We hope that individual behavior will limit and spread out any increase so that our healthcare system will be able to handle the expected surge. Our goal is to try to balance the science with the need for the economy to recover, and to limit the ultimate impact of this pandemic on us as individuals and as a society.

Please direct any questions to me at:

[rjohnson@alpinecountyca.gov](mailto:rjohnson@alpinecountyca.gov), or the Warm Line at 530-694-1011



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Alpine County Health Department, 75-B Diamond Valley Rd., Markleeville, CA 96120  
Alpine County Board of Supervisors, Phone: (530) 694-2281  
District 1: Donald M. Jardine, District 2: Ron Hames, District 3: Katherine Rakow,  
District 4: Terry Woodrow, District 5: David Griffith





## **COVID-19 Frequently Asked Questions (Updated May 5, 2020)**

As special districts work to manage their organizations through the challenges of COVID-19, CSDA has developed this Frequently Asked Questions document to assist districts.

### **GENERAL DISTRICT FINANCE QUESTIONS**

**Question: What financial resources are available for special districts incurring lost revenues, increased costs, or otherwise experiencing financial hardship due to COVID-19?**

The resources available to special districts in the face of the COVID-19 pandemic are growing and rapidly evolving. Please find CSDA's periodically updated COVID-19 Financial Resources Overview at the end of this FAQ.

**Question: Do special districts qualify for the payroll tax credit passed in the federal stimulus bill?**

No. Districts pay payroll taxes under federal law. As an employer, they must now meet new sick leave and family medical leave requirements. However, districts (along with other local agencies) were excluded from the tax credit for the employer share of social security. CSDA will continue to work with Congress to address this issue in a subsequent federal stimulus bill. Districts are encouraged to send a letter to their representatives in Congress and can download a sample letter at [csda.net/take-action](https://csda.net/take-action).

**Question: Are there zero-interest or low-interest loans available for special districts to finance district operations or assist districts, including those that do not have a tax base (such as Resource Conservation Districts)?**

The CSDA Finance Corporation is pursuing the ability to provide assistance and short-term financial relief to districts that are expecting or experiencing revenue losses. CSDA is conducting a survey for interested districts. Information is available [here](#).

**Question: Are districts eligible for the federal COVID-19 Paycheck Protection Program?**

No. Districts do not qualify for Small Business Administration loan and grant programs provided in the CARES Act. Districts are encouraged to send a letter to their representatives in Congress and can download a sample letter at [csda.net/take-action](https://csda.net/take-action).

**Question: Please explain if districts are eligible for the Coronavirus Relief Fund?**

The Coronavirus Aid, Relief and Economic Security Act (CARES) included \$150 billion in the Coronavirus Relief Fund for state, local and tribal governments. Each state receives an allocation. California's allocation is estimated to be approximately \$15 billion. Of this amount, approximately \$6.8 billion is available for a "local cap," which can be provided directly to a unit of local government with a population greater than 500,000.

It is CSDA's view that districts with a population greater than 500,000 are eligible to receive these local cap funds.

In addition, CSDA is asking Congress to expand eligibility of the Coronavirus Relief Fund to include districts with fewer than 500,000 residents in any subsequent federal relief legislation.

**Question: Where can I find information on the types of emergency protective measures that may be eligible for FEMA's Public Assistance Program?**

Eligibility information as well as instructions on FEMA's Public Assistance Program is available [here](#).





**Question: Do districts have to declare a State of Emergency to access federal relief funds through FEMA's Public Assistance Program?**

No. While FEMA assistance will require execution of a FEMA-State/Tribal/Territory Agreement, as appropriate, and execution of an applicable emergency plan, there is no requirement to request a separate emergency declaration to receive assistance.

**Question: Our district is working to retrofit and modify our administrative office to accommodate social distancing guidelines. Are these costs reimbursable under existing COVID-19-related financial assistance programs?**

No. These costs are not currently reimbursable.

**Question: Does the Governor's Executive Order N-46-20, which exempts the purchase and sale of personal protective equipment from sales and use taxes, apply to special districts?**

No. This exemption only applies to the state and does not apply to districts.

**HUMAN RESOURCES AND PERSONNEL QUESTIONS:**

**Question: How are districts dealing with the issues of time off? Employees may take time off due to COVID-19. There is no clarity as to how districts as employers should manage this time off. Should the leave be deducted from the employee's existing balance? What happens if an employee runs out of PTO/Vacation/Sick Leave?**

Some resources are available at the state Employment Development Department at this [link](#).

**Question: What are best practices regarding protecting workers, preventing injury and illness and providing reasonable accommodations during the pandemic?**

The Special District Risk Management Authority has put together this [update](#) to assist districts with these questions.

**Question: Has CalPERS provided any guidance to districts outlining the impact of COVID-19 closures to public agencies?**

Yes. CalPERS has developed this frequently asked question [document](#) to provide guidance with reporting member data and contributions to CalPERS.

**Question: How can districts utilize retired annuitants during the pandemic?**

This [letter](#) explains how during the current emergency order, retired annuitants are not restricted by the regular 960-hour work restriction.

**Question: How can districts ensure workers are protected during the pandemic?**

Cal/OSHA has developed recommendations, guidance, education materials and model programs to help ensure workers are protected. The resources can be accessed [here](#).

**CEMETERY QUESTIONS:**

**Question: Is there any guidance as to how many people can safely attend a graveside service?**

The Centers for Disease Control and Prevention (CDC) has developed [guidance on funerals](#) and the National Funeral Director's Association has established a [resource page](#). Please also see this [response](#) on the CSDA Novel Coronavirus/COVID-19 Resources Communities outlining feedback from a cemetery district.





### **EQUIPMENT NEEDS QUESTIONS**

**Question: Where can districts purchase personal protective equipment (PPE)?**

Special districts in need of PPE should contact their county office of emergency services or local Medical Health Operational Area Coordinator (MHOAC). Find your local MHOAC [here](#).

### **RECREATION AND PARK QUESTIONS**

**Question: Does CSDA have a suggestion whether to extend, cancel, or plan upcoming recreation programs?**

Unfortunately, there is no consensus recommendation as to what to do with upcoming recreation programs. At this time, the California Department of Public Health (CDPH) has determined that all non-essential gatherings should be postponed or cancelled across the state until further guidance is issued by CDPH. Another resource to see how districts are addressing this issue is the [CSDA Novel Coronavirus/COVID-19 Resources Community](#). The California Department of Health and Human Services has issued [guidance related to childcare](#).

### **WATER DISTRICT QUESTIONS**

**Question: Who can districts contact at the state if they have concerns about revenue loss during the pandemic due to the shut-off moratorium?**

The Governor's Office has released a [document](#) outlining contacts for the Field Operations Branch offices. Districts can contact their appropriate liaison with their concerns.

### **TRANSPARENCY/BOARD MEETING QUESTIONS**

**Question: We have a scheduled Board meeting next week. Are there any resolutions or actions our Board needs to take during this time?**

There is a [post](#) on the CSDA Novel Coronavirus/COVID-19 Resources Communities outlining suggestions.

**Question: Our Board meetings have previously been in a federal building. With the buildings being closed due to pandemic, it is a challenge to provide access to our public meetings. What are options to provide free teleconference services?**

Please see these two posts on the CSDA Novel Coronavirus/COVID-19 Resources Community

- [How to Host Remote Public Meetings](#)
- [Brown Act Compliance During Pandemic](#)



## **ADDENDUM: COVID-19 FINANCIAL RESOURCES OVERVIEW**

### **Traditional Financing Resources:**

As a preliminary option, special districts should consider utilizing available unrestricted reserves (such as operating or emergency reserves) as determined by the governing board. Other immediate steps districts can take include:

- The CSDA Finance Corporation has launched a program to provide districts with revenue assistance through access to short-term Tax and Revenue Anticipation Notes. Please see this [April 13 e-newsletter article](#) for additional information.
- Special districts may also contact the CSDA Finance Corporation for specific needs and options and other more tailored financing. at: <https://www.csdafinance.net/home>
- Certain special districts can issue promissory notes and other forms of financing pursuant to state law. A promissory note is a debt instrument. Check your enabling act in to determine if your district has this authority.
  - The State Treasurer [has published a guide](#) to local financing that may be a resource for districts. Additionally, some districts may have unique tools in their enabling acts ([See appendix A](#)).
  - Additionally, CSDA has published a [brief summary](#) of special district revenues.

### **Federal Assistance Opportunities:**

#### **Federal Emergency Management Agency (FEMA) Assistance for Firefighters**

Deadline: May 15th

This program is part of the FEMA's Assistance to Firefighters Grant Program, and Program and is a supplement for COVID-19 response. This program should be used for access to critical resources to equip and train emergency personnel to recognized standards, enhance operations efficiencies, foster interoperability and support community resilience. The application period is open from April 28 to May 15 with 1,000 expected awardees. Additional information, including a link to the application portal, is available [here](#).

#### **FEMA Public Assistance**

Deadline: Applications Accepted on an Ongoing Basis

For districts that are providing direct crisis aid to the community, the district may be eligible for pandemic assistance from FEMA. FEMA will only provide assistance for specific COVID-19 related expenses that U.S. Health and Human Services, CDC and other agency grants/agreements will not cover. Attached here is a guidance regarding expenses that are eligible for FEMA assistance, directly from the FEMA pandemic assistance fact sheet. Access additional information [here](#).

#### **Coronavirus Aid, Relief, and Economic Security (CARES) Act Provider Relief Fund (HHS/HRSA)**

Deadline: As Soon As Possible

These are direct grants that do not require repayment. Eligible local government entities include providers that received Medicare fee-for service reimbursements last year, providers that are struggling to remain





**California Special  
Districts Association**

*Districts Stronger Together*

open because healthy and elective care visitors are no longer coming in, and providers in areas with many COVID-19 cases. Access to these grant opportunities can be found [here](#).

*Coronavirus Aid, Relief, and Economic Security (CARES) Act: Transit Funding*

Deadline: Ongoing

The CARES Act also provided specific funding to transit agencies in response to the pandemic. Funds were appropriated for urbanized and rural areas. Additional information about this opportunity is available at [this link](#).

This publication is provided for general information only and is not offered or intended as legal advice. Readers should seek the advice of an attorney when confronted with legal issues and attorneys should perform an independent evaluation of the issues raised in this document.



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CONTACT US



## Garamendi Introduces “Special Districts Provide Essential Services Act” for Districts’ Access to Federal COVID-19 Relief

By Vanessa Gonzales posted 16 hours ago

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Special districts’ federal advocacy has led to a U.S. House bill addressing special districts’ COVID-19 relief needs. Congressman John Garamendi introduced [H.R. 7073](#), the “[Special Districts Provide Essential Services Act](#),” and did so following special districts’ communicating the need to his office.

The Special Districts Provide Essential Services Act would allow special districts access to the Coronavirus Relief Fund (Fund). Under the bill, states would be required to allocate at least 5 percent of its total Fund allocation to special districts and do so within 60 days of receiving the Fund disbursement from the U.S. Treasury. Language used in the legislation is intended to remove uncertainty for special districts’ access to the Fund following the U.S. Department of Treasury’s April 15 guidance, which did not consider districts in its methodology for releasing funds.



The bill would also allow special districts to be considered “eligible issuers” under the Federal Reserve’s Municipal Liquidity Facilities (MLF) program, which would be another tool for districts to access capital during the economic downturn. The CARES Act only authorized MLF for states, and counties with a population greater than 500,000 and cities with populations greater than 250,000.



To achieve access to these programs for local government relief, the bill includes a definition for “special district”, which currently does not exist in federal statute. The legislation establishes the term to mean a “political subdivision, formed pursuant to general law or special act of a state, for the purpose of performing one or more governmental or proprietary functions.” If passed, this definition may be used in future legislative efforts.

The bill was introduced with 18 original cosponsors, including California Representatives Bera, Carbajal, Costa, Cox, Khanna, Lee, Lowenthal, Napolitano, Panetta, Rouda, Takano and Thompson.

CSDA is working with its National Special Districts Coalition partners in Colorado, Florida, Oregon and Utah. CSDA joined with state associations in sending a letter to congressional leadership urging for support of the legislation and to include its provisions in the next COVID-19 relief package. The letter was sent June 2 to Speaker Nancy Pelosi, D-CA, House Minority Leader Kevin McCarthy, R-CA, Senate Majority Leader Mitch McConnell, R-KY, and Senate Minority Leader Chuck Schumer, D-NY. CSDA also led the efforts for a letter with other special districts stakeholder associations in California to build bipartisan support for this bill. That letter was sent to the California Congressional Delegation.



CSDA is asking members to urge their federal representatives to cosponsor Garamendi's legislation and support its inclusion in future COVID-19 relief packages for state and local governments. A goal is for the bill provisions to be included in the U.S. Senate's counter-bill to the HEROES Act, a \$3 trillion relief bill that the U.S. House passed in May.

Congressional negotiations are ongoing in the Senate, where Majority Leader McConnell had declared this to be the final relief legislation the Senate will take up this year and stated the bill's appropriations would not be as high as the HEROES Act.

For questions on the bill, contact Cole Karr, CSDA Public Affairs Field Coordinator, at [colek@csla.net](mailto:colek@csla.net) or (417) 861-7418. Stay tuned to that latest updates on this and other COVID-19 legislative initiatives on CSDA's Take Action page and on the COVID-19 community forum.

#Budget

#COVID-19

#Revenue

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## Permalink

<https://www.csla.net/blogs/vanessa-gonzales/2020/06/08/garamendi-introduces-special-districts-p>



## Jeff Gouveia

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**From:** Barsetti, Susan <SBarsetti@fmbonline.com>  
**Sent:** Tuesday, May 12, 2020 12:10 PM  
**To:** Jeff Gouveia  
**Subject:** RE: [EXTERNAL]RE: Bear Valley Water District (BVWD)

Hello Jeff, very nice visiting with you today. I have been able to confirm that the Bank considers the current pricing and loan structure competitive. Hope that helps. Have a good day, Susan.

### Susan Barsetti

**F&M BANK**, Where Banking is Easy!  
First Vice President  
Credit Administration

Office: (209) 367-2497  
sbarsetti@fmbonline.com | fmbonline.com

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**From:** Jeff Gouveia <Jeff.Gouveia@bvwd.ca.gov>  
**Sent:** Tuesday, May 12, 2020 10:48 AM  
**To:** Barsetti, Susan <SBarsetti@fmbonline.com>; Jeff Gouveia <Jeff.Gouveia@bvwd.ca.gov>  
**Subject:** [EXTERNAL]RE: Bear Valley Water District (BVWD)

**\*\*\* WARNING: This email is from an external source and may contain malicious links or attachments. Please proceed with caution!! \*\*\***

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Hi Susan,

I hope all is well and you have remained safe, healthy and sane during these challenging times.

I just left you a voicemail as well but I've been directed by one of our Board members to reach out to you to look into options which may exist or may be developing for special district's such as our to seek funding for potential loss of revenue or the cost of supplies such as PPE as they relate to COVID-19.

If you have a minute to discuss this with me, I am working from the office on Monday's and Tuesday's and from home the remainder of the week. Both of my contact numbers appear below.

Thank you !

---

**Jeff Gouveia | General Manager |**  
Bear Valley Water District  
441 Creekside Drive | PO Box 5027, Bear Valley, CA 95223 |  
O: 209.753.2112 | C: 209.743.0836 | F: 209.753.6267  
[Jeff.Gouveia@bvwd.ca.gov](mailto:Jeff.Gouveia@bvwd.ca.gov) | [www.bvwd.ca.gov](http://www.bvwd.ca.gov) |





## Implementation of Executive Order N-42-20: Guidelines and Best Practices for Water and Wastewater Systems

APRIL 30, 2020

On April 2, 2020, the Governor issued Executive Order (EO) N-42-20, which prohibits water systems from discontinuing residential water service and water service to small businesses in a critical infrastructure sector. The EO also has the following directive in provision 5:

*The State Water Resources Control Board shall identify best practices, guidelines, or both to be implemented during the COVID-19 emergency (i) to address non-payment or reduce payments, (ii) to promote and to ensure continuity of service by water systems and wastewater systems, and (iii) to provide measures such as the sharing of supplies, equipment and staffing to relieve water systems under financial distress.*

The State Water Board has developed the following guidelines and best practices for water systems to implement during the COVID-19 emergency. While these guidelines may be used by both public and private water systems to guide their actions through this emergency, they do not override any directive, decision, or tariff rule issued and approved by the California Public Utilities Commission that pertain to water systems under their jurisdiction. This document may be updated and modified as conditions evolve.

### **Best Practices for Water Systems to Address Non-Payment or Reduced Payments**

- **Communication and Outreach**

- Inform all customers about the prohibition on shutoffs, re-connection options and timeline, and bill payment options, and which options apply specifically to residential and critical infrastructure small business customers.<sup>1</sup>

<sup>1</sup> See <https://www.sba.gov/page/coronavirus-covid-19-small-business-guidance-loan-resources>. Also, see <https://covid19.ca.gov/img/EssentialCriticalInfrastructureWorkers.pdf> for a list of critical infrastructure workers in California. If you are unsure about whether a business customer meets the definition, please contact that customer to inquire about their functions and services.

E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

- Communication materials should be provided in the languages spoken within the service area.<sup>2</sup>
- Use applicable communication methods, including:
  - Email and phone calls
  - Bill inserts
  - Website
  - Traditional and social media
  - Doorhangers
  - Communications from local elected and public health officials
- Respond promptly to shutoff and re-connection reports filed through <https://watershut-off.covid19.ca.gov/>
- Report on the status of specific customer protections at [https://swb-orpp-conservation.shinyapps.io/Shutoffs\\_Lookup/](https://swb-orpp-conservation.shinyapps.io/Shutoffs_Lookup/)
- **Restoration of Service**
  - Identify all residential and small business critical infrastructure business accounts currently shut off and develop and make public a timeline for restoring service to all those accounts.
    - Assume residences where service was discontinued are occupied unless vacancy has been otherwise verified.
    - Under EO N-42-20, water systems are legally obligated to restore service to occupied residences where service was discontinued for nonpayment since March 4, 2020.
  - Consider waiving re-connection fees.
    - Water systems that elect not to waive re-connection fees must comply with the fee limits established by the [Water Shutoff Protection Act](#).
    - Water systems that elect not to waive re-connection fees should consider offering payment plans for the fee instead of requiring a full payment at the time of re-connection.
  - When restoring water to buildings, work with owners to follow appropriate guidelines for flushing and testing prior to habitation and usage.
    - Guidance is available at: [https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/covid-19.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/covid-19.html)
- **Payment Options**
  - Offer residential, critical infrastructure small business customers, and other non-residential customers experiencing severe financial hardship the ability to make partial payments for the duration of the COVID-19 emergency.

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<sup>2</sup> Water suppliers should follow the requirements of the Water Shutoff Protection Act for determining which languages to use for customer communications.



- Develop payment plans for delinquent bills.
  - Payment plans should be tailored to the level of outstanding debt and the customer's ability to pay.
  - Payment plans should allow for repayment over at least 12 months for customers with significant debt and reduced income.
  - Consider waiving late payment fees.
- Water systems must comply with the requirements of the Water Shutoff Protection Act for low-income households. The State Water Board has a [Frequently Asked Questions](#) document about the Water Shutoff Protection Act available on its website.
- **Additional Best Practices**
  - Track the following:
    - Total dollar amount of nonpayment by month (or by billing period)
    - Number of residential customers making partial payments
    - Number of residential customers granted alternate payment plans
    - Number of residential customers making no payments
    - Number of critical infrastructure small business customers making partial or no payments
  - Use reserve funds as needed to cover revenue losses.
  - Identify and implement methods to expand and augment existing rate assistance programs, including:
    - Broader eligibility criteria
    - Higher benefit levels
    - Enhanced budgetary resources

### **Best Practices to Promote and Ensure Continuity of Service by Water and Wastewater Systems**

- **Continue Monitoring and Testing**
  - Any water system that anticipates not being able to complete all required monitoring and testing should notify their Division of Drinking Water District Office immediately.
  - Water systems should routinely check with their testing laboratory to assure continued service. In the event of service disruption visit the Environmental Laboratory Accreditation Program (ELAP) [ELAP COVID-19 website](#) to find labs that are open and accepting monitoring samples.
    - ELAP staff are available to support water systems and labs with questions or concerns.
  - Water systems should maintain cross-connection control programs with some modifications.



- Guidance is available at:  
[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/covid-19.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/covid-19.html)

- **Delayed Activities**

- In order to allow water systems to focus their workforce on service provision, the following reporting and regulatory requirements have been delayed or may be performed later in the regulatory period.
  - [Extension](#) of the Electronic Annual Report submission deadline
  - Extended PFAS testing order delayed
  - Lead and copper sampling may be performed towards end of regulatory period.

- **Stay Informed and Utilize Resources**

- Water systems should monitor information from state and federal health officials, including the California Department of Public Health, and the Centers for Disease Control.
- Water and wastewater systems should also identify resources available through California Water/Wastewater Response Network (<http://calwarn.org>), the Office of Emergency Services, and the US Environmental Protection Agency

- **Communicate with Customers**

- Wastewater systems should continue to communicate the need for people to only flush toilet paper
  - The State Water Board issued a [news advisory](#) that can be used as a resource
- Water systems that meet drinking water standards should continue to communicate that tap water is safe to drink
- Wastewater systems should continue to communicate that treatment processes remove COVID-19 from sewage.

### **Measures Such as Sharing Supplies, Equipment and Staffing to Relieve Water Systems Under Financial Distress**

- Small water systems may be eligible for operator assistance through the State Water Board's technical assistance program. Systems in need of operator assistance should contact their Division of Drinking Water District Office.
- Water and wastewater systems should work through their local Emergency Operation Center and CalWARN to share operators, supplies, and equipment where needed.

A Note on Financial Assistance:

The State Water Board, in coordination with the Office of Emergency Services, is evaluating options for supporting small water systems experiencing severe financial distress to support continued operations. If financial resources are made available, the State Water Board will promptly communicate with water and wastewater systems.

**Guidelines for Communicating with the State Water Board**

- Water systems should provide information and updates on their COVID-19 responses at: [https://swb-orpp-conservation.shinyapps.io/Shutoffs\\_Lookup/](https://swb-orpp-conservation.shinyapps.io/Shutoffs_Lookup/)
- Water systems that anticipate critical shortages of personnel, supplies, or revenues should contact their Division of Drinking Water District Office: [https://www.waterboards.ca.gov/drinking\\_water/programs/documents/ddwem/DDWdistrictofficesmap.pdf](https://www.waterboards.ca.gov/drinking_water/programs/documents/ddwem/DDWdistrictofficesmap.pdf)
- Water systems that have questions or concerns about responsibilities to customers, including responding to reports filed at: <https://watershutoff.covid19.ca.gov/> should send an email to: [ORPP-WaterConservation@waterboards.ca.gov](mailto:ORPP-WaterConservation@waterboards.ca.gov)



# Lake Alpine Water Company

**Lake Alpine Water Company, Inc.**

**Emergency Customer Protections**

Lake Alpine Water Company, Inc.'s Emergency Customer Protections provide protections for customers due to the COVID-19 pandemic.

Lake Alpine Water Company, Inc. shall:

1. Suspend disconnections of water service for delinquent accounts.
2. Work cooperatively with affected customer to resolve unpaid bills and minimize disconnections for non-payment.
3. Waive reconnection or facilities fees for affected customer and suspend deposits for affected customer who must reconnect to the system.
4. Provide reasonable payment options to affected customers.
5. Suspend late fees until the state authorize shelter-in-place order has been lifted.

To learn more about Lake Alpine Water Company, Inc.'s Emergency Customer Protections, please contact Customer Service at 209-753-2409.



## Jeff Gouveia

---

**From:** Jeff Gouveia <jeff@bearvalleyrealestate.com>  
**Sent:** Tuesday, March 24, 2020 7:31 AM  
**To:** Jeff Gouveia  
**Subject:** FW: News from Lake Alpine Water Company

**From:** Kimi Johnson [mailto:info@lakealpinewater.com]  
**Sent:** Monday, March 23, 2020 9:09 PM  
**To:** 'LAWC Operations' <plant@lakealpinewater.com>  
**Subject:** News from Lake Alpine Water Company

Dear Customers of Lake Alpine Water Company in Bear Valley,

I hope you and your family are healthy and making the best lemonade out of the current situation with Covid19.

I want to share a few details about service continuity from Lake Alpine Water Company during this crisis.

First, please be assured that our treatment of the water continues to provide virus inactivation so the water is Covid19-free and safe to drink and use.

Second, water is an essential service, any day of the week or times, so please don't hesitate to contact us via email or phone if there is any disruption to your service, if you have questions or if you notice anything unusual in the service area. Our staff is working their regular schedule and we can respond promptly.

Third, we understand there may be disruptions to your work and income patterns and therefore, there may be delays or shortcomings in your family budget.

Lake Alpine Water Company will not be charging late fees and will not initiate any shut off orders due to non-payment during these months when California is under the 'shelter-at-home' order.

If you need to request a payment plan or provide any updates about your account, please email me at [info@lakealpinewater.com](mailto:info@lakealpinewater.com).

Be well,

*Kimi Johnson*

Lake Alpine Water Company  
209-753-2409



Arnold, CA

At 6:53 AM PST  
Overcast  
34°F  
SSW 9 MPH  
WeatherForYou.com

# THE PINE TREE.NET

The Celebrated News of Calaveras County and Beyond

Murphys, CA

At 6:53 AM PST  
Mostly Cloudy  
52°F  
N 3 MPH  
WeatherForYou.com

Amador Angels Camp Arnold Bear Valley Copperopolis Murphys San Andreas Valley Springs Moke Hill/West Point Tuolumne

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Obituaries  
About Us

Coming Soon...

Monday, Mar 30

All Day National Doctors' Day 2020 is Monday, March 30 in United States

11:00 AM Enjoy A Unique Mountain Dining Experience at The Meadow Cafe

Tuesday, Mar 31

10:00 AM Grief Support Classes Offered By Hospice of Amador & Calaveras

11:00 AM Enjoy A Unique Mountain Dining Experience at The Meadow Cafe

05:30 PM Local's Night at Alchemy is Every Tuesday Night!

Wednesday, Apr 1

11:00 AM Enjoy A Unique Mountain Dining Experience at The Meadow Cafe

06:00 PM Overeaters Anonymous (OA)

Thursday, Apr 2

Posted by: thepinetree on 03/26/2020 10:40 AM Updated by: thepinetree on 03/26/2020 10:40 AM  
Expires: 01/01/2025 12:00 AM

Like 0 Tweet Share

## CCWD Board Temporarily Suspends Utility Bill Late Fees and Lock-offs

San Andreas, CA...On Wednesday March 25, the Calaveras County Water District (CCWD) Board of Directors voted unanimously to suspend utility bill late fees and lock-offs until June 1st. This is a temporary order in response to the COVID-19 emergency. CCWD customers are still responsible for paying standard base rates and consumptive charges on-time, but penalties for late payments are suspended.



CCWD Board 2019

The District's office remains closed and employees are working remotely when possible. We encourage customers to make payments at any time online at [www.ccwd.org](http://www.ccwd.org) or over the phone at (844) 516-4349. There are no additional fees for phone or online payments. For more information on steps the District has taken in response to COVID-19, [click here](https://covid19.calaverasgov.us/). For reliable information regarding COVID-19 in Calaveras County, please visit <https://covid19.calaverasgov.us/>

### CCWD's Water Supply is Safe

The District also reminds the community that the public drinking water supply is safe and is not impacted by COVID-19. To read a fact sheet from the State Water Resources Control Board addressing the public drinking water supply, [click here](#).

Remember: Flush Only TP

Human waste and toilet paper are the only things that should be flushed down the toilet. Any other items can damage the sewer system and create unnecessary risks for CCWD employees.

The District will post regular updates as this situation continues to unfold. To stay informed, go to [www.ccwd.org](http://www.ccwd.org), [www.facebook.com/calaveraswaterdistrict](https://www.facebook.com/calaveraswaterdistrict) or contact Joel Metzger, External Affairs Manager, at [joelm@ccwd.org](mailto:joelm@ccwd.org) or (209) 768-6270.

### Comments - Make a comment

The comments are owned by the poster. We are not responsible for its content. We value free speech but remember this is a public forum and we hope that people would use common sense and decency. If you see an offensive comment please email us at [news@thepinetree.net](mailto:news@thepinetree.net)

### No Subject

Posted on: 2020-03-26 11:46:37 By: Anonymous

Thank you, board members.

[Reply]

Nested Oldest First Refresh

Dignity Health.  
Mark Twain Medical Center  
Medical Centers Serving  
Angels Camp • Arnold  
Copperopolis • San Andreas  
Valley Springs  
Same Day Appointments  
Call 754-2968

MEADOWMONT  
PHARMACY  
(209) 795-1155  
TWIN HARTE  
PHARMACY  
(209) 586-3225  
GROVELAND  
PHARMACY  
(209) 962-5211

CELEBRATING  
OVER 150 YEARS  
BANK OF STOCKTON  
SINCE 1867

Small portraits of three people, likely staff or community members.

BEAR VALLEY REAL ESTATE  
CROSS COUNTRY

BEAR VALLEY XC  
CROSS COUNTRY

BearValleyXC.com  
209.753.2834  
Nature, Family, Fitness

Cedar Creek  
REALTY INC.

**Bear Valley Water District**  
Performance vs. Budget  
May 2019 vs. May 2020

	Prior Year July 1 - May 31	FY 18-19 Budget	FY 18-19 Budget	FY 19-20 July 1 - May 31	FY 19-20 Budget	FY 19-20 Budget	Variance Explanation
<b>REVENUES</b>							
Residential	589,664	586,000	101%	609,807	605,500	101%	
Commercial	198,719	176,000	113%	169,209	172,000	98%	
<b>Subtotal Operating Revenue</b>	<b>788,384</b>	<b>762,000</b>	<b>103%</b>	<b>779,016</b>	<b>777,500</b>	100%	Revenue Target - 100%
<b>EXPENSES</b>							
Salaries & Benefits	287,628	347,108	83%	324,261	360,225	90%	
Director Expenses	1,678	3,000	56%	1,369	2,000	68%	
Operator Training & Certs	756	1,500	50%	239	1,500	16%	
Gas, Diesel, Oil & Filters	2,399	3,000	80%	3,034	3,000	101%	
Insurance	17,574	23,000	76%	17,500	23,000	76%	
Memberships & Conferences	7,078	8,000	88%	6,350	7,000	91%	
Office Expenses & Supplies	9,147	10,000	91%	9,078	10,000	91%	
Field Expenses & Supplies	19,307	15,000	129%	23,463	20,000	117%	UBD Failed Probe, Sludge Treatment
Grooming, Snow Removal & Vehicle	1823	3,500	52%	2,636	3,500	75%	
Engineering & Consulting	5,314	5,000	106%	315	5,000	6%	
Legal & Accounting	15,169	10,000	152%	15,515	10,000	155%	UBD Legal - Bylaws, Rates, CC Policy
Equipment Rental	429	600	72%	226	600	38%	
Repairs & Maintenance	48,159	60,000	80%	69,991	60,000	117%	UBD Gen Rprs, CK Clos, Coll Lines
Laboratory Fees	12,424	18,000	69%	11,022	15,000	73%	
Regulatory Reporting & Comp.	6,305	6,500	97%	6,330	6,700	94%	
Taxes, Fees, Licenses &	34,325	33,000	104%	40,420	39,000	104%	
Utilities	54,645	55,000	99%	61,014	60,000	102%	
<b>Subtotal Operating Expenses</b>	<b>524,160</b>	<b>602,208</b>	<b>87%</b>	<b>592,762</b>	<b>626,525</b>	<b>95%</b>	Expense Target - 92 %
<b>Net Operational Income</b>	<b>264,224</b>	<b>159,792</b>	<b>165%</b>	<b>186,254</b>	<b>150,975</b>	<b>123%</b>	
<b>OTHER REVENUE</b>							
Interest Income - LAIF	5,467	4,000	137%	5,343	7,000	76%	
Late Fee, Penalties and Interest	7,941	0	UBD	5,781	7,000	83%	
Expense Reimbursements - USFS	2,870	2,870	100%	6,685	3,538	189%	
Expense Reimbursements -	4,608	4,608	100%	2,740	5,887	47%	
Misc Other Income	333	0	UBD	557	0	UBD	
<b>Subtotal Other Revenue</b>	<b>21,220</b>	<b>11,478</b>	<b>185%</b>	<b>21,106</b>	<b>23,425</b>	<b>90%</b>	3rd Quarter Total
<b>OTHER EXPENSES</b>							
Loan Interest	15,799	17,203	92%	14,410	15,680	92%	
Depreciation	102,486	103,451	99%	100,851	114,223	88%	
Misc Expense	10	0	UBD	429	0	UBD	
<b>Subtotal Other Expenses</b>	<b>118,295</b>	<b>120,654</b>	<b>98%</b>	<b>115,690</b>	<b>129,903</b>	<b>89%</b>	
<b>Net Other Income</b>	<b>(97,075)</b>	<b>(109,176)</b>	<b>89%</b>	<b>(94,584)</b>	<b>(106,478)</b>	<b>89%</b>	
<b>NET INCOME</b>	<b>167,149</b>	<b>50,616</b>	<b>330%</b>	<b>91,671</b>	<b>44,497</b>	<b>206%</b>	
<b>NON CASH EXPENDITURES (included in net income)</b>							
Depreciation	102,486	103,451	99%	100,851	114,223	88%	
<b>Subtotal Non-Cash Expenses</b>	<b>102,486</b>	<b>103,451</b>	<b>99%</b>	<b>100,851</b>	<b>114,223</b>	<b>88%</b>	
<b>CASH EXPENDITURES ( Not Included in net income)</b>							
Capital Improvements /	(124,220)	(92,500)	134%	(202,804)	(189,053)	107%	
Loan Payments - Principal	(35,844)	(39,134)	92%	(37,232)	(40,657)	92%	
<b>Subtotal Addl Cash Expenses</b>	<b>(160,064)</b>	<b>(131,634)</b>	<b>122%</b>	<b>(240,036)</b>	<b>(229,710)</b>	<b>104%</b>	WWTP Lagoon Upgrade Proj Inundation Mapping, NPDES Permit Renewal
<b>NET CASH FLOW</b>	<b>109,571</b>	<b>22,433</b>	<b>488%</b>	<b>-47,515</b>	<b>-70,990</b>	<b>67%</b>	

**BVWD**  
**Balance Sheet Prev Year Comparison**  
**As of May 31, 2020**

	<u>May 31, 20</u>	<u>May 31, 19</u>	<u>\$ Change</u>	<u>% Change</u>
<b>ASSETS</b>				
<b>Current Assets</b>				
<b>Checking/Savings</b>				
11015 · F&M Bank	396,190.42	509,002.30	-112,811.88	-22.16%
11018 · LAIF	316,698.51	309,417.43	7,281.08	2.35%
11020 · Petty Cash	50.00	50.00		
11025 · Capital Facilities Fund	21,656.00	21,656.00		
<b>Total Checking/Savings</b>	<b>734,594.93</b>	<b>840,125.73</b>	<b>-105,530.80</b>	<b>-12.56%</b>
<b>Accounts Receivable</b>				
11050 · Accounts Receivable	-16,155.95	-16,059.38	-96.57	-0.6%
<b>Total Accounts Receivable</b>	<b>-16,155.95</b>	<b>-16,059.38</b>	<b>-96.57</b>	<b>-0.6%</b>
<b>Other Current Assets</b>				
11055 · Accounts Receivable-Tax Roll	10,876.97	14,123.63	-3,246.66	-22.99%
11140 · Prepaid Insurance	9,290.42	16,804.00	-7,513.58	-44.71%
11170 · Prepaid Dam Fees	13,548.00		13,548.00	100.0%
11499 · Undeposited Funds	-5,584.47		-5,584.47	-100.0%
<b>Total Other Current Assets</b>	<b>28,130.92</b>	<b>30,927.63</b>	<b>-2,796.71</b>	<b>-9.04%</b>
<b>Total Current Assets</b>	<b>746,569.90</b>	<b>854,993.98</b>	<b>-108,424.08</b>	<b>-12.68%</b>
<b>Fixed Assets</b>				
12010 · Land	25,805.16	25,805.16		
12020 · SbSrfLine	1,196,893.29	1,196,893.29		
12040 · Col Facilities	485,584.50	425,176.65	60,407.85	14.21%
12041 · LA Facilities	166,428.79	166,428.79		
12050 · TRT Facilities	1,127,133.14	1,127,133.14		
12060 · DSP Facilities	1,244,788.01	1,244,788.01		
12080 · P & A (Plant & Admin)Facilities	482,118.91	482,118.91		
12100 · Accumulated Depreciation	-2,775,750.75	-2,664,375.10	-111,375.65	-4.18%
14030 · Work in Progress				
14030.0 · W.I.P. - GIS Consulting Support	4,722.05		4,722.05	100.0%
14030.6 · Treatment Pond Dock	4,664.11		4,664.11	100.0%
16540 · Bee Gulch Lift Station Upgrade		60,407.85	-60,407.85	-100.0%
16545 · Transfer Flow Meter	5,943.27		5,943.27	100.0%
16550 · Inundation Mapping Project	17,652.60	15,691.20	1,961.40	12.5%
16560 · Treatment Pond Improvement Proj	221,095.84	11,756.91	209,338.93	1,780.56%
16565 · FY20/21 - NPDES PERMIT (5 YR.)	17,288.25		17,288.25	100.0%
<b>Total 14030 · Work in Progress</b>	<b>271,366.12</b>	<b>87,855.96</b>	<b>183,510.16</b>	<b>208.88%</b>
<b>Total Fixed Assets</b>	<b>2,224,367.17</b>	<b>2,091,824.81</b>	<b>132,542.36</b>	<b>6.34%</b>
<b>TOTAL ASSETS</b>	<b><u>2,970,937.07</u></b>	<b><u>2,946,818.79</u></b>	<b><u>24,118.28</u></b>	<b><u>0.82%</u></b>
<b>LIABILITIES &amp; EQUITY</b>				
<b>Liabilities</b>				
<b>Current Liabilities</b>				
<b>Accounts Payable</b>				
21021 · Accounts Payable	16,782.35	4,994.69	11,787.66	236.0%
<b>Total Accounts Payable</b>	<b>16,782.35</b>	<b>4,994.69</b>	<b>11,787.66</b>	<b>236.0%</b>
<b>Other Current Liabilities</b>				

**BVWD**  
**Balance Sheet Prev Year Comparison**  
**As of May 31, 2020**

	<b>May 31, 20</b>	<b>May 31, 19</b>	<b>\$ Change</b>	<b>% Change</b>
<b>21090 · Payroll Liabilities</b>	16,268.62	-628.57	16,897.19	2,688.2%
<b>2110 · Direct Deposit Liabilities</b>	-8.18	-8.18		
<b>22021 · Accrued Vacation</b>	15,179.60	10,433.38	4,746.22	45.49%
<b>Total Other Current Liabilities</b>	31,440.04	9,796.63	21,643.41	220.93%
<b>Total Current Liabilities</b>	48,222.39	14,791.32	33,431.07	226.02%
<b>Long Term Liabilities</b>				
<b>26025 · F&amp;M Bank Loan</b>	379,211.07	419,737.97	-40,526.90	-9.66%
<b>Total Long Term Liabilities</b>	379,211.07	419,737.97	-40,526.90	-9.66%
<b>Total Liabilities</b>	427,433.46	434,529.29	-7,095.83	-1.63%
<b>Equity</b>				
<b>29000 · Retained Earnings</b>	1,855,178.28	1,748,484.24	106,694.04	6.1%
<b>29100 · O &amp; M Emergency Reserve Fund</b>	150,000.00	150,000.00		
<b>29200 · CIP Reserve Fund</b>	425,000.00	425,000.00		
<b>29300 · Capacity Fee Reserve Fund</b>	21,656.00	21,656.00		
<b>Net Income</b>	91,669.33	167,149.26	-75,479.93	-45.16%
<b>Total Equity</b>	2,543,503.61	2,512,289.50	31,214.11	1.24%
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>2,970,937.07</b>	<b>2,946,818.79</b>	<b>24,118.28</b>	<b>0.82%</b>



**BVWD**  
**A/P Aging Summary**  
As of March 31, 2020

Prepays March 2020	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
A.T.&T.	58.85					58.85	U-Verse for Main Office
A.T.&T.	91.96					91.96	Telephone for Lake Alpine
A.T.&T.	153.37					153.37	Telephone for Main Office
Card Services	1,384.40					1,384.40	Office, Field Supplies, Telephone
E.D.D.	261.42					261.42	State Payroll Taxes
E.D.D.	235.09					235.09	State Payroll Taxes
F&M Bank of Lodi	4,694.80					4,694.80	Principal & Interest on Loan
I.R.S.	2,156.06					2,156.06	Federal Payroll Taxes
I.R.S.	2,084.74					2,084.74	Federal Payroll Taxes
Lake Alpine Water District	162.41					162.41	Water for Main Office
P.G.&E.	3,020.63					3,020.63	Electricity
SDRMA	1,858.44					1,858.44	Medical Benefits for Employees
SDRMA	653.38					653.38	Dental, Vision, LTD, Life Insurance
Vantagepoint - ICMARC	250.57					250.57	401 Retirement
Vantagepoint - ICMARC	863.09					863.09	457 Retirement
Vantagepoint - ICMARC	243.43					243.43	401 Retirement
Vantagepoint - ICMARC	855.95					855.95	457 Retirement
<b>TOTAL</b>	<b>19,028.59</b>					<b>19,028.59</b>	

Accounts Payable March 2020	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpha Analytical Laboratories Inc.		502.00				502.00	Laboratory Analysis
Alpine County Public Works	92.82	134.89				227.71	Unleaded & Diesel Fuel
Bear Valley Snowmobile Inc.					-213.24	-213.24	Adjustment
Clay Eastman Snow Removal		382.67				382.67	Snow Removal
Ebbetts Pass Lumber Co. Inc.		66.40	49.02			115.42	Field Supplies
Lake Alpine Water					-0.04	-0.04	Bank Adjustment
Lou's Gloves, Inc.		77.00				77.00	Gloves for Field Staff
Mead & Hunt		1,961.40				1,961.40	SH Dam Inundation Map
Neumiller and Beardslee		50.00				50.00	Legal
State Water Resources Control Bd/OPERATOR		150.00				150.00	Operator Certification
Vantagepoint Transfer Agents					0.01	0.01	Adjustment
<b>TOTAL</b>	<b>92.82</b>	<b>3,324.36</b>	<b>49.02</b>		<b>-213.27</b>	<b>3,252.93</b>	

**BVWD**  
**A/P Aging Summary**  
As of April 30, 2020

Prepays April 2020	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
A.T.&T.	58.85					58.85	U-Verse for Main Office
A.T.&T.	92.39					92.39	Telephone for Lake Alpine
A.T.&T.	154.66					154.66	Telephone for Main Office
Card Services	1,237.26					1,237.26	Office, Field Supplies, Telephone
E.D.D.	230.48					230.48	State Payroll Taxes
E.D.D.	241.44					241.44	State Payroll Taxes
F&M Bank of Lodi	4,694.80					4,694.80	Principal & Interest on Loan
I.R.S.	2,071.52					2,071.52	Federal Payroll Taxes
I.R.S.	2,098.22					2,098.22	Federal Payroll Taxes
Lake Alpine Water Company	166.36					166.36	Water for Main Office
P.G.&E.	2,585.45					2,585.45	Electricity
SDRMA	1,858.44					1,858.44	Medical Benefits
SDRMA	653.38					653.38	Dental, Vision, LTD, Life Insurance
Vantage Point - ICMARC	242.02					242.02	401 Retirement
Vantage Point - ICMARC	854.54					854.54	457 Retirement
Vantage Point - ICMARC	243.43					243.43	401 Retirement
Vantage Point - ICMARC	855.95					855.95	457 Retirement
<b>TOTAL</b>	<b>18,339.19</b>					<b>18,339.19</b>	

Accounts Payables	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Accurate Air Engineering, Inc		91.54				91.54	Repair & Maintenance for Blower
Alpha Analytical Laboratories Inc.		502.00				502.00	Laboratory Analysis
Aqua Sierra Controls, Inc.	5,943.27	598.02				6,541.29	Alarm Parts, Transfer Flow Meter
Arnold Auto Supply Inc.		69.54				69.54	Auto Supplies
Bear Valley Snowmobile Inc.					-213.24	-213.24	Adjustment
California Water Environment Association		192.00				192.00	Operator Certification
Clay Eastman Snow Removal		71.66				71.66	Snow Removal
Columbia Communications Inc.		39.00				39.00	Pager for Field Staff
Dept. of Water Resources		13,548.00				13,548.00	Dam Fees
DMV		104.00				104.00	Registration on Vehicles
EBBETTS PASS GAS CO. Inc.		693.09				693.09	Propane for Main Office
Ebbetts Pass Lumber Co. Inc.		52.03				52.03	Field Supplies

**BVWD**  
**A/P Aging Summary**  
As of April 30, 2020

Accounts Payables	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Hach		167.96				167.96	Laboratory Supplies
Lake Alpine Water					-0.04	-0.04	Adjustment
Neumiller and Beardslee		675.00				675.00	Water for Main Office
P.G.&E.		2,783.70				2,783.70	Electricity
Stantec Consulting Services Inc.		3,303.25				3,303.25	Antidegradation Analysis Report
Vantagepoint Transfer Agents					0.01	0.01	Adjustment
<b>TOTAL</b>	5,943.27	22,890.79			-213.27	28,620.79	

**BVWD**  
**A/P Aging Summary**  
As of May 31, 2020

Prepays May 2020	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
A.T.&T.	58.85					58.85	U-Verse for Main Office
A.T.&T.	91.81					91.81	Telephone for Lake Alpine Boat Ramp
A.T.&T.	152.78					152.78	Telephone for Main Office
Card Services	2,630.46					2,630.46	Office, Field Supplies, Telephone
E.D.D.	298.96					298.96	State Payroll Taxes
E.D.D.	368.42					368.42	State Payroll Taxes
E.D.D.	411.51					411.51	State Payroll Taxes
F&M Bank	4,694.80					4,694.80	Principal & Interest on Loan
I.R.S.	2,311.26					2,311.26	Federal Payroll Taxes
I.R.S.	2,512.14					2,512.14	Federal Payroll Taxes
I.R.S.	2,600.56					2,600.56	Federal Payroll Taxes
Lake Alpine Water Company	169.51					169.51	Water For Main Office
P.G.&E.	2,783.70					2,783.70	Electricity
SDRMA	1,858.44					1,858.44	Medical Benefits for Employees
SDRMA	653.38					653.38	Dental, Vision, LTD, Life Insurance
Vantagepoint - ICMARC	264.99					264.99	401 Retirement
Vantagepoint - ICMARC	907.41					907.41	457 Retirement
Vantagepoint - ICMARC	292.74					292.74	401 Retirement
Vantagepoint - ICMARC	972.29					972.29	457 Retirement
Vantagepoint - ICMARC	296.17					296.17	401 Retirement
Vantagepoint - ICMARC	981.93					981.93	457 Retirement
The Zenith	1,180.00					1,180.00	Deposit on Workers Compensation
<b>TOTAL</b>	<b>26,492.11</b>					<b>26,492.11</b>	

Accounts Payable May 2020	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpha Analytical Laboratories Inc.		923.00				923.00	Labrotory Analysis
Alpine County Public Works		180.18				180.18	Unleaded & Diesel Fuel
Aqua Sierra Controls, Inc.		574.41				574.41	IT Services for Computer Protection
Bear Valley Snowmobile Inc.					-213.24	-213.24	Adjustment
California Water Environment Association		89.00				89.00	Membership
Ebbetts Pass Lumber Co. Inc.		25.39				25.39	Field Supplies
Guy West		990.00				990.00	Storage Fee for District Vehicles



**BVWD**  
**A/P Aging Summary**  
As of May 31, 2020

Accounts Payable May 2020	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Hach		95.37				95.37	Labrotory Supplies
ICMA Retirement Corporation		103.27				103.27	Administration Fee for Retirement Account Qtrly
Lake Alpine Water					-0.04	-0.04	Adjustment
Stantec Consulting Services Inc.	8,417.00	5,568.00				13,985.00	NPDES Permit - Antidegradation, Salinity, ROWD
Terry West		30.00				30.00	Fee to Drive Guy West to Truck Dealership
Vantagepoint Transfer Agents					0.01	0.01	Adjustment
<b>TOTAL</b>	<b>8,417.00</b>	<b>8,578.62</b>			<b>-213.27</b>	<b>16,782.35</b>	

**BVWD**  
**A/R Aging Summary**  
As of June 18, 2020

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
LA023		28.91		289.05	28.91	346.87
TM020		28.91		289.05	46.02	363.98
BV335		28.91		289.05	54.24	372.20
SM309					377.95	377.95
TM005		28.91			354.24	383.15
BV179				289.05	196.94	485.99
CM180		316.99			565.39	882.38
BV083		28.91		289.05	723.34	1,041.30
BV137		209.79		289.05	665.38	1,164.22
CS006		28.91		289.05	914.40	1,232.36
BV373		28.91		289.05	914.40	1,232.36
CS116		28.91		289.05	941.51	1,259.47
CS036		28.91		289.05	991.22	1,309.18
<b>TOTAL</b>	<u><b>(281.05)</b></u>	<u><b>1,072.14</b></u>	<u><b>194.97</b></u>	<u><b>24,065.79</b></u>	<u><b>(51,906.99)</b></u>	<u><b>(26,855.14)</b></u>
<b>TOTAL CREDITS</b>	(281.05)	(282.06)	(1,193.77)	(588.05)	(59,537.81)	(61,882.74)
<b>TOTAL DEBITS</b>	-	1,354.20	1,388.74	24,653.84	7,630.82	35,027.60
<b>TOTAL</b>	<u><b>(281.05)</b></u>	<u><b>1,072.14</b></u>	<u><b>194.97</b></u>	<u><b>24,065.79</b></u>	<u><b>(51,906.99)</b></u>	<u><b>(26,855.14)</b></u>

**BVWD**  
**A/R Aging Summary**  
As Of June 18, 2019

SM309				415.06	415.06
BV345	27.11		271.11	267.87	566.09
CS001	27.11		271.11	292.47	590.69
BV335	27.11		271.11	298.22	596.44
BV137	27.11		271.11	301.23	599.45
BV034	27.11		271.11	325.33	623.55
TM018	54.22		271.11	298.22	623.55
BV179	27.11		271.11	336.43	634.65
TM020	27.11		271.11	352.44	650.66
BV082			271.11	438.33	709.44
BV338			271.11	596.44	867.55
BV037	27.11		271.11	650.66	948.88
CS116	27.11		271.11	1,003.99	1,302.21
CS057	27.11		271.11	1,031.41	1,329.63
BV373	27.11		271.11	1,114.93	1,413.15
TM009	27.11		271.11	1,158.20	1,456.42
CS105		27.11	271.11	1,185.08	1,483.30
CS006	27.11		271.11	1,219.88	1,518.10
<b>TOTAL</b>	<u><b>704.85</b></u>	<u><b>(2,046.76)</b></u>	<u><b>31,446.25</b></u>	<u><b>(47,268.08)</b></u>	<u><b>(17,143.71)</b></u>
<b>TOTAL CREDITS</b>	(271.11)	(3,871.37)	-	(59,899.84)	(64,042.32)
<b>TOTAL DEBITS</b>	975.96	1,824.64	31,446.25	12,631.76	46,898.61
<b>TOTAL</b>	<u><b>704.85</b></u>	<u><b>(2,046.73)</b></u>	<u><b>31,446.25</b></u>	<u><b>(47,268.08)</b></u>	<u><b>(17,143.71)</b></u>

ce	\$	789.81
		789.81
		0.00
ases Debits	+	1,384.40
Advances	+	0.00
ance Charges	+	0.00
New Balance		1,384.40
Credit Limit		5,000.00
Available Credit		3,607.00

Statement Closing Date	02/24/20
New Balance	1,384.40
Minimum Payment Due	69.00
Payment Due Date	03/20/20
Past Due Amount	0.00

ch 4, 2020

RECEIVED MAR - 5 2020

Jessica, #1384.40

An amount followed by a minus (-) is a credit or a credit balance, unless otherwise indicated.

PAYMENT ADDRESS  
CARD SERVICES  
PO BOX 875852  
KANSAS CITY, MO 64187-5852

ACCOUNT INQUIRIES AND  
LOST OR STOLEN CARDS  
888-494-5141

CARD SERVICES  
PO BOX 419734  
KANSAS CITY MO 64141-6734

Telephoning about billing errors will not preserve your rights under federal law. See the Billing Rights Summary on the reverse side.

### Transaction Information

Transaction Date	Posting Date	Reference Number	Purchases, Cash Advances, Payments, Credits and Adjustments since last statement	Amount
			<b>TOTAL XXXX XXXX XXXX 2334 \$789.81-</b>	
02/04	02/04	F558000DK00CHGDDA	PAYMENT-THANK YOU	789.81-
			<b>JUDI SILBER</b>	
			<b>TOTAL XXXX XXXX XXXX 3311 \$505.95</b>	
01/24	01/26	2469216D82XJPWY6E	Intuit *PayrollEE usag 833-830-9255 CA	8.00
			MCC: 5734 MERCHANT ZIP: 92129	
01/24	01/26	2469216D82XRQPF5	Amazon.com*2R6DO7QN3 Amzn.com/bill WA	8.03
			MCC: 5942 MERCHANT ZIP: 98109	
01/25	01/26	2469216D92X9ESGXR	Amazon.com*FZ4NU0DR3 Amzn.com/bill WA	15.32
			MCC: 5942 MERCHANT ZIP: 98109	
01/27	01/28	2413746DQ019T0QXM	USPS PO 0503240223 ARNOLD CA	55.00
			MCC: 9402 MERCHANT ZIP: 95223	
01/27	01/28	2449215DBRSA1MSXA	HEADSETSCOM 800-432-3738 CA	41.74
			MCC: 4812 MERCHANT ZIP: 94109	
01/29	01/30	2413746DE019HH0MQ	USPS PO 0503240223 ARNOLD CA	7.40
			MCC: 9402 MERCHANT ZIP: 95223	
01/29	01/31	2470780DE0EXF0PPW	BIG TREES MARKET ARNOLD CA	43.29
			MCC: 5411 MERCHANT ZIP:	
02/03	02/04	2469216DJ2XW4YE2Y	VZWRLSS*APOCC VISB 800-922-0204 FL	269.09
			MCC: 4814 MERCHANT ZIP: 32746	
02/06	02/09	2470780DN0EXHG5JS	BIG TREES MARKET ARNOLD CA	50.62
			MCC: 5411 MERCHANT ZIP:	
02/12	02/14	2470780DW0EXJW981	BIG TREES MARKET ARNOLD CA	7.46
			MCC: 5411 MERCHANT ZIP:	
			<b>JEFF GOUVEIA</b>	
			<b>TOTAL XXXX XXXX XXXX 3268 \$878.45</b>	
01/25	01/26	2475542D9JL92JJ42	ZORO TOOLS INC 855-2899676 IL	17.97
			MCC: 5085 MERCHANT ZIP: 60089	
01/27	01/28	2490641DB2H9R45LN	EIG*CONSTANTCONTACT.COM 855-2295506 MA	10.00
			MCC: 5968 MERCHANT ZIP: 02451	
01/31	02/02	2449215DFJHTLJ8S8	SP * METAL LOGICS METALLOGICS.M IN	81.62
			MCC: 5085 MERCHANT ZIP: 47274	
02/02	02/03	2443099DJB9544BB	MSFT * E0300A5JPM 800-642-7676 WA	15.00
			MCC: 5045 MERCHANT ZIP: 98052	
02/04	02/05	2475542DKJLQ1HB6Z	ZORO TOOLS INC 855-2899676 IL	19.11
			MCC: 5085 MERCHANT ZIP: 60089	
02/09	02/10	2416407DRMJ5324EJ	FEDEX 505284654 MEMPHIS TN	45.77
			MCC: 4215 MERCHANT ZIP: 38116	
02/13	02/14	2490641DW2JA17MV6	EIG*CONSTANTCONTACT.COM 855-2295506 MA	24.83
			MCC: 5968 MERCHANT ZIP: 02451	
02/20	02/21	2448347E38EWHHF53	DRI*CrashPlan for SB 877-2343791 MN	29.97
			MCC: 5734 MERCHANT ZIP: 55343	
02/21	02/23	2469216E42XJ9H65Q	YSI 800-765-4974 OH	634.18
			MCC: 5099 MERCHANT ZIP: 45387	

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Account Activity		
Balance	\$	1,384.40
Payments	-	1,384.40
Other Credits	-	0.00
Purchases/Debits	+	1,237.26
Cash Advances	+	0.00
Finance Charges	+	0.00
New Balance		1,237.26
Credit Limit		5,000.00
Available Credit		3,711.00

Statement Closing Date	Lucy. 03/23/20
New Balance	1,237.26
Minimum Payment Due	61.00
Payment Due Date	04/17/20
Past Due Amount	0.00

11 5, 2020

RECEIVED APR - 3 2020

An amount followed by a minus (-) is a credit or a credit balance, unless otherwise indicated.

PAYMENT ADDRESS  
CARD SERVICES  
PO BOX 875852  
KANSAS CITY, MO 64187-5852

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888-494-5141

CARD SERVICES  
PO BOX 419734  
KANSAS CITY MO 64141-6734

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### Transaction Information

Transaction Date	Posting Date	Reference Number	Purchases, Cash Advances, Payments, Credits and Adjustments since last statement	Amount
			<b>TOTAL XXXX XXXX XXXX 2334 \$1,384.40-</b>	
03/04	03/04	F558000EG00CHGDDA	PAYMENT-THANK YOU	1,384.40-
			<b>JUDI SILBER</b>	
			<b>TOTAL XXXX XXXX XXXX 3311 \$565.54</b>	
02/24	02/25	2469216E72XH2HRMY	Intuit *PayrollEE usag 833-830-9255 CA	8.00
			MCC: 5734 MERCHANT ZIP: 92129	
03/03	03/04	2469216EF2XYMA0K0	VZWRLSS*APOCC VISB 800-922-0204 FL	269.09
			MCC: 4814 MERCHANT ZIP: 32746	
03/09	03/09	2469216EM2XYDGPDV	AMZN Mktp US*EU4WF8XD3 Amzn.com/bill WA	53.61
			MCC: 5942 MERCHANT ZIP: 98109	
03/16	03/18	2470780EX0EXGV2N5	BIG TREES MARKET ARNOLD CA	95.77
			MCC: 5411 MERCHANT ZIP:	
03/18	03/19	2469216EY2X55K969	Amazon.com*EA0C66HA3 Amzn.com/bill WA	107.99
			MCC: 5942 MERCHANT ZIP: 98109	
03/20	03/22	2469216F02X88E2FM	AMZN Mktp US*WB6EO17E3 Amzn.com/bill WA	9.64
			MCC: 5942 MERCHANT ZIP: 98109	
03/20	03/22	2469216F02X97KLSK	WWW COSTCO COM 800-955-2292 WA	21.44
			MCC: 5300 MERCHANT ZIP: 98027	
			<b>JEFF GOUVEIA</b>	
			<b>TOTAL XXXX XXXX XXXX 3268 \$671.72</b>	
02/25	02/26	2455930E8S66JKV9Q	ADVANCED AUTOMOTIVE 209-7957665 CA	457.45
			MCC: 7538 MERCHANT ZIP: 95233	
02/27	02/28	2490641EA2K2BLSGM	EIG*CONSTANTCONTACT.COM 855-2295506 MA	10.00
			MCC: 5968 MERCHANT ZIP: 02451	
03/04	03/05	2443099EHBM96Z7K1	MSFT * E0300AF4NS 800-642-7676 WA	15.00
			MCC: 5045 MERCHANT ZIP: 98052	
03/08	03/09	2469216EL2XLTE1JP	AMZN Mktp US*K47E49XT3 Amzn.com/bill WA	93.78
			MCC: 5942 MERCHANT ZIP: 98109	
03/09	03/10	2469216EM2XB570RG	AMZN Mktp US*AG0AE5R03 Amzn.com/bill WA	38.93
			MCC: 5942 MERCHANT ZIP: 98109	
03/10	03/11	2443106EN2DJVRE81	AMAZON.COM*Q441U5FU3 AMZN AMZN.COM/BILL WA	26.59
			MCC: 5942 MERCHANT ZIP: 98109	
03/20	03/22	2443099F1BM5BZ2P2	DRI*CRASHPLAN FOR SB 888-314-8842 MN	29.97
			MCC: 5734 MERCHANT ZIP: 55343	

### Interest Charge Calculation

Your Annual Percentage Rate (APR) is the annual interest rate on your account

Current Billing Period	Annual Percentage Rate (APR)	Balance Subject to Interest Rate	Interest Charge
Type of Balance			
Purchases	13.25(v)	0.00	0.00
Cash Advances	17.25(v)	0.00	0.00

(v) = Variable Rate

5942 0001 HVH

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PAGE 1 of 3

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Summary of Account Activity		
Previous Balance	\$	1,237.26
Payments	-	1,237.26
Other Credits	-	0.00
Purchases/Debits	+	2,630.46
Cash Advances	+	0.00
Finance Charges	+	0.00
New Balance		2,630.46
Credit Limit		5,000.00
Available Credit		2,313.00

Payment Information	
Statement Closing Date	04/22/20
New Balance	2,630.46
Minimum Payment Due	131.00
Payment Due Date	05/17/20
Past Due Amount	0.00

24, 2020

*2630.46*  
*Matthew W.*  
*5-17-20*

An amount followed by a minus (-) is a credit or a credit balance, unless otherwise indicated.

PAYMENT ADDRESS: CARD SERVICES, PO BOX 875852, KANSAS CITY, MO 64187-5852  
ACCOUNT INQUIRIES AND LOST OR STOLEN CARDS: 888-494-5141  
CARD SERVICES: PO BOX 419734, KANSAS CITY MO 64141-6734

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Transaction Information				
Transaction Date	Posting Date	Reference Number	Purchases, Cash Advances, Payments, Credits and Adjustments since last statement	Amount
			<b>TOTAL XXXX XXXX XXXX 2334 \$1,237.26-</b>	
04/05	04/05	F558000FG00CHGDDA	PAYMENT-THANK YOU	1,237.26-
			<b>JUDI SILBER</b>	
			<b>TOTAL XXXX XXXX XXXX 3311 \$779.36</b>	
03/24	03/25	2469216F42X82VR17	Intuit *PayrollEE usag 833-830-9255 CA	8.00
03/26	03/29	2470780F70EXFA3N1	MCC: 5734 MERCHANT ZIP: 92129 BIG TREES MARKET ARNOLD CA	7.07
04/03	04/03	2469216FE2XMEJ0GV	MCC: 5411 MERCHANT ZIP: AMZN Mktp US*M58RQ1ZN1 Amzn.com/bill WA	27.86
04/03	04/05	2469216FE2XNS5GL9	MCC: 5942 MERCHANT ZIP: 98109 VZWRLSS*APOCC VISB 800-922-0204 FL	269.09
04/03	04/05	2469216FE2XV6KQRE	MCC: 4814 MERCHANT ZIP: 32746 AMZN Mktp US*QA2RU12P3 Amzn.com/bill WA	29.94
04/04	04/05	2443106F0RVPQ476	MCC: 5942 MERCHANT ZIP: 98109 ADOBE EXPORTPDF SUB 408-536-6000 CA	23.88
04/04	04/05	2469216FF2XQPSTSH	MCC: 5734 MERCHANT ZIP: 95110 AMZN Mktp US*H58466IK3 Amzn.com/bill WA	17.11
04/04	04/05	2469216FF2X7MQ8FT	MCC: 5942 MERCHANT ZIP: 98109 AMZN Mktp US*3R8QC70Z3 Amzn.com/bill WA	57.18
04/10	04/12	2469216FM2XMEYL1N	MCC: 5942 MERCHANT ZIP: 98109 MCAFFEE *WWW.MCAFFEE.COM 866-622-3911 TX	99.99
04/11	04/12	2469216FN2X6LPW6E	MCC: 5968 MERCHANT ZIP: 75024 AMZN Mktp US*WR4846913 Amzn.com/bill WA	24.66
04/13	04/14	2442733FRMHD30BBN	MCC: 5942 MERCHANT ZIP: 98109 KWIK SERV ARNOLD ARNOLD CA	2.29
04/15	04/15	2469216FS2XALN7GM	MCC: 5541 MERCHANT ZIP: 95223 Amazon.com*O83R58FU3 Amzn.com/bill WA	107.99
04/17	04/17	2469216FW2XFA1RWR	MCC: 5942 MERCHANT ZIP: 98109 AMZN Mktp US*SL30L86U3 Amzn.com/bill WA	50.70
04/17	04/19	2469216FW2XYE3DMV	MCC: 5942 MERCHANT ZIP: 98109 Amazon.com*JR3J07LD3 Amzn.com/bill WA	53.60
			<b>JEFF GOUVEIA</b>	
			<b>TOTAL XXXX XXXX XXXX 3268 \$1,851.10</b>	
03/26	03/26	2443106F62DYHWWXK	AMZN MKTP US*FD2T022E3 AM AMZN.COM/BILL WA	24.08
03/27	03/29	2490641F72LRB8ED9	MCC: 5942 MERCHANT ZIP: 98109 EIG*CONSTANTCONTACT.COM 855-2295506 MA	10.00
04/02	04/03	2443099FEBM97Y0KM	MCC: 5968 MERCHANT ZIP: 02451 MSFT *E0300ANHPA 800-642-7676 WA	15.00
04/07	04/07	2420429FH8DAZXMZZ	MCC: 5045 MERCHANT ZIP: 98052 Tesla 188-85183752 CA	100.00
04/07	04/07	2420429FH8D5H8QMV	MCC: 5511 MERCHANT ZIP: 94304 Tesla 188-85183752 CA	100.00

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