bear valley
WATER DISTRICT

BEAR VALLEY WATER DISTRICT

BOARD MEETING

June 13, 2016 - 9 A.M.

Conference Room
441 Creekside Drive, Bear Valley, CA 95223
Call- In Info: 605-475-5920 Access Code: 475-0045

DECLARATION OF A QUORUM

James Bissell, President - Stefaniya Becking, Vice President - John Boyle, Treasurer - Ken Brown, Secretary
Gunnar Thordarson, Member

BOARD MEETING

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 April 11, 2016 Board Meeting minutes**
2. **NPDES Permit No. CA0085146 - Tentative Order R5-2016-xxxx --** Discussion and Possible Action Item
3. **FY 16 – 17 Budget Proposal -** Discussion and Possible Action Item
4. **Operations Report – General Manager**
5. **Capitalization & Investment Policies -** Discussion and Possible Action Item
6. **Financial Report – General Manager**

   6.1 P&L and Balance Sheet Reports - Discussion and Possible Action Item
   6.2 Accounts Payable Report - Discussion and Possible Action Item
   6.3 A/R & Aging Reports – Discussion

7. **Board Member Reports**

Materials related to any item on this Agenda are available for public inspection in the District Office at 441 Creekside Drive, Bear Valley, CA 95223 during normal business hours. Information on materials in the agenda is also available on the Bear Valley Water District website at http://www.bearvalleywater.org, subject to staff's ability to post the documents before the meeting. Any material provided to the legislative body at the meeting by agency staff or a member of the legislative body will be available at the public meeting, documents provided by others will be available right after the meeting.

This agenda shall be made available upon request in alternative formats to persons with a disability, as required by the Americans with Disabilities Act of 1990 (42USC, #12132) and the Ralph M. Brown Act, CA Government Code # 54954.2.

Any persons requesting a disability related modification or accommodation in order to participate in the meeting should contact Judi Silber at 209-753-2112, during regular business hours, at least 72 hours prior to the meetings. All regular meetings are held on the third Monday of the month at 9:00 A.M.

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BEAR VALLEY WATER DISTRICT
BOARD MEETING
April 11, 2016 - 9 A.M.
Conference Room
441 Creekside Drive, Bear Valley, CA 95223
Call- In Info: 605-475-5920 Access Code: 475-0045

LOCATION 2: 546 Lucille Dr. Incline Village NV 89451

DECLARATION OF A QUORUM

President James Bissell called the meeting to order at 9:00A.M. Directors present were John Boyle, Ken Brown and Director Gunnar Thordarson joined the meeting via teleconference at 10:00 A.M. Director Stefaniya Becking was absent with notice. Staff present were General Manager Jeff Gouveia and Office Manager Judi Silber. No public were present.

BOARD MEETING

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PUBLIC FORUM

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BOARD BUSINESS

1. **The Board will consider adoption of the February 22, 2016 Board Meeting minutes**

   Motion/Boyle Second Brown to accept the February 22nd Minutes with a correction.
   Ayes: Bissell, Boyle, Brown
   Noes:
   Absent: Becking, Thordarson
   Motion Carried

2. **Capitalization & Investment Policies** - Discussion and Possible Action Item

   Treasurer Boyle stated that the District needs to act prudently regarding the investment policy. The three things that the board needs to consider are: safety, liquidity, and yield. Discussion ensued regarding the proposed new Investment Policy. There were several suggested corrections and the elimination of the Intra-District Loans section. The board discussed the option of investing in CalTrust. As members of CSDA the District has access to this program. It is a safe option to diversify and it is a proven program. Treasurer Boyle investigated the historical returns as compared to LAIF and advised that the District update the investment policy to include CalTrust.

   The board discussed changing item c. of the draft capital assets policy to read $5,000 or more and have a useful life to three (3) years or more. Treasurer Boyle questioned capitalizing software and

intangible assets such as the Mixing Zone Study or the NPDES Permit. Treasurer Boyle spoke with Mary Cummins, of Robert W. Johnson, CPAs (auditor) and she agreed that it makes sense to capitalize some software and some intangible assets. Treasurer Boyle restated that legal counsel Dan Schroeder advised that the District remove the reference to Civil Code Section 2261 et. Seq. identifying the "prudent man rule" as there is no such section in the Civil Code. Dan Schroeder also advised to change the second sentence of the section entitled "Disposition or Retirement of Capital Assets" to read as follows: "The disposition of any Capital Asses and Infrastructure Assets shall be done in accordance with the applicable laws and Board Policies for the disposal of surplus property." The District generally cannot donate property to anyone, including another governmental agency since it would be a gift of public property in violation of the California Constitution.

Action: GM will add a paragraph on intangible assets and set the threshold of 3 year's life and monetary value of $5K.

3. Operations Report – General Manager

1. Collections, Treatment, & Disposal Operations, Update

   a. Flows – Influent Flows & Pond Transfer
      March 2016 influent flows were 3.685 MG. 5.420 MG were transferred to storage.
   b. Volumes – Storage, Capacity & Disposal
      The current Storage Volume is 7078.3 = 42.47 MG or 44.45% as of 4/6/2016

2. Permit Compliance & Monitoring& Reporting (MRPs) Update

   a. WDR MRP – Land Discharge Permit – Compliance & Reporting Update
      January & February SMR/DMR reporting was submitted on time. One stated past due. GM contacted staff via email and that has been corrected.
   b. NPDES MRP – Surface Water Discharge Permit – Compliance & Reporting Update
      i. 2016 Permit Renewal – ROWD – Update
         Dania Jimmerson from the California Regional Water Board said that the water board is behind their original schedule but that if there aren't a lot of comments received that it may possible make the original June Board meeting. She thinks that the permit will be favorable. Any challenges will be any special interest groups. GM may receive the draft permit as early as next week.
      ii. Priority Pollutant Sampling – May
         The District is using Cal Test per the recommendation of Eric Zeigler, of Stantec, to do the priority pollutant sampling.

3. 2016 USDA Cost Recovery Collection Agreement – Discussion and Possible Action Item

   Motion Boyle, Second Thordarson authorizing GM Gouveia to sign the Cost Recovery Collection Agreement with the USFS. To approve $10K in budget to expense costs of obtaining the new permit in the next fiscal budget. If the invoice comes this fiscal budget, the board authorized GM to pay the invoice.

4. Draft 5-Year Budget – Discussion

   GM reported that there are several unknown cost in the Fiscal Year 16/17. The cost of the land use permit with the USFS and the unknown variables such as studies, analysis work, engineering, and legal fees associated with the NPDES Permit renewal. GM added $10K to budget for

downing the timber in the spray fields, $10K for collection line & manhole repairs on uncompleted work from previous year, and an expense for laboratory equipment that needs repairs. President Bissell requested a list of upcoming projects for the next fiscal year. The budget discussion will continue at the next meeting.

4. Financial Report – General Manager

4.1 P&L Sheet Report - Discussion and Possible Action Item
Motion Bissell Second Boyle to accept the P&L and Balance Sheet as presented.
Ayes: Bissell, Boyle, Brown, Thordarson
Noes:
Absent: Becking
Motion Carried

Motion Boyle Second Bissell to accept the Balance Sheet Report as presented.
Ayes: Bissell, Boyle, Brown, Thordarson
Noes:
Absent: Becking
Motion Carried

4.2 Accounts Payable Report - Discussion and Possible Action Item
Motion Boyle Second Brown to accept the Accounts Payable Report as presented.
Ayes: Bissell, Boyle, Brown, Thordarson
Noes:
Absent: Becking
Motion Carried

4.3 A/R & Aging Reports – Discussion
The Accounts Receivable balance as of February 29, 2016 was $3,566.67. There were $36,139.69 in credits and $39,706.46 in debits. The ski resort, lodge, and maintenance shop were unpaid as of this date. There were eight (8) other accounts that were over 60 days. OM will follow up on these accounts before the next meeting.

5. Board Member Reports

No board comments.

The next meeting was scheduled for Monday, June 13th at 9:00 A.M.

President Bissell adjourned the meeting at 11:03 A.M.

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CALIFORNIA
Water Boards

EDMUND G. BROWN JR.
GOVERNOR

MATTHEW RODRIQUEZ
SECRETARY FOR
ENVIRONMENTAL PROTECTION

Central Valley Regional Water Quality Control Board

29 April 2016

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

CERTIFIED MAIL
91 7199 9991 7035 8364 4479

NOTICE OF PUBLIC HEARING
AND
TENTATIVE WASTE DISCHARGE REQUIREMENTS
(NPDES PERMIT NO. CA0085146)

FOR

BEAR VALLEY WATER DISTRICT
BEAR VALLEY WASTEWATER TREATMENT FACILITY
ALPINE COUNTY

TO ALL CONCERNED PERSONS AND AGENCIES:

Enclosed is the tentative Waste Discharge Requirements Order for the Bear Valley Water District, Bear Valley Wastewater Treatment Facility (Facility). Any comments or recommendations you may have concerning the proposed Order should be submitted to this office no later than 5:00 p.m. on **31 May 2016** in order for us to give them full consideration prior to the meeting of the Central Valley Regional Water Quality Control Board (Central Valley Water Board). Written material submitted after 5:00 p.m. on **31 May 2016** will not be accepted and will not be incorporated into the administrative record absent a ruling by the Board Chair. Any party requesting to submit late materials must demonstrate good cause for the late submission, and the Chair must find that accepting the late submission will not prejudice the Central Valley Water Board or any Designated Party.

A Public Hearing has been scheduled for the Central Valley Water Board to consider adoption of the proposed Order at its 23/24 June 2016 Board Meeting. A Notice of Public Hearing (Notice) concerning the proposed Order is also enclosed. Regulations require that the Discharger post one (1) copy of the Notice at the nearest city hall or county courthouse, one (1) copy at the post office nearest to the Facility (if allowed), and one (1) copy at the public entrance to the Facility. Please post the Notice as soon as possible and provide proof of posting, using the enclosed form, by **9 May 2016**.

To conserve resources, this letter transmits a paper copy of the tentative NPDES Permit package to the Discharger only. Interested persons may download the document from the Central Valley Water Board's Internet website at http://www.waterboards.ca.gov/centralvalley/board_decisions/tentative_orders. Copies of the

document may also be obtained by contacting or visiting the Central Valley Water Board's office at 11020 Sun Center Drive, Suite 200, Rancho Cordova, California 95670, weekdays between 8:00 a.m. and 5:00 p.m.

If you have any questions regarding the proposed Order, please contact Dania Jimmerson at (916) 464-4742 or dania.jimmerson@waterboards.ca.gov.

Original Signed By

James D. Marshall
Senior Engineer

Enclosures (3): Tentative NPDES Permit (Discharger Only)
Notice of Public Hearing (Discharger Only)
Proof of Posting Form (Discharger Only)

cc: David Smith, USEPA, Region IX, San Francisco (via email only)
Peter Kozelka, USEPA Region IX, San Francisco (via email only)
US Army Corp of Engineers, Sacramento
US Fish and Wildlife Service, Sacramento
US National Marine Fisheries Service, Santa Rosa
Phil Isorena, State Water Resources Control Board, Sacramento (via email only)
Department of Water Resources, Central District, Sacramento
State Water Resources Control Board, Division of Drinking Water, Sacramento
Department of Public Health, Environmental Management Branch, Sacramento
Regional Manager, Department of Fish & Wildlife, Region II, Rancho Cordova
Environmental Health Services, Alpine County, Markleeville
Kevin Kauffman, P.E., Stockton East Water District, Stockton
Debbie Webster, Central Valley Clean Water Association, Grass Valley
Bill Jennings, California Sportfishing Protection Alliance, Stockton
Richard McHenry, California Sportfishing Protection Alliance (via email only)
Buena Vista Rancheria of Me-Wuk Indians
Calaveras Band of Miwuk Indians
California Valley Miwok Tribe (aka Sheep Ranch Rancheria of Me-wuk)
Chicken Ranch Rancheria of Me-Wuk
Jackson Band of Mi-Wuk Indians
Tuolumne Band of Me-Wuk
Washoe Tribe of Nevada and California

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION
11020 Sun Center Drive #200, Rancho Cordova, CA 95670

NOTICE OF PUBLIC HEARING

concerning

RENEWAL OF WASTE DISCHARGE REQUIREMENTS
(NPDES NO. CA0085146)
AND RESCISSION OF TIME SCHEDULE ORDER R5-2011-0054
for
BEAR VALLEY WATER DISTRICT
BEAR VALLEY WASTEWATER TREATMENT FACILITY
ALPINE COUNTY

Bear Valley Water District is the owner and operator of the Bear Valley Wastewater Treatment Facility (Facility), a publicly owned treatment works located at 441 Creekside Drive, Bear Valley, California. The Facility provides sewerage services for the communities of Bear Valley, Bear Valley Mountain Resort, and Lake Alpine/United States Forest Service, serving a population of approximately 121 permanent residents as well as seasonal users. The Facility provides secondary treatment for up to 0.50 million gallons per day (MGD). Secondary treated wastewater from the Facility may be discharged to Bloods Creek, a water of the United States and a tributary to the North Fork Stanislaus River.

Discharges from the Facility are currently regulated by Waste Discharge Requirements Order R5-2011-0053 (NPDES Permit) and Time Schedule Order R5-2011-0054 (TSO), issued by the Central Valley Regional Water Quality Control Board (Central Valley Water Board) on 4 August 2011. An Order is proposed to renew the NPDES permit and rescind the TSO. The proposed permit renewal includes allowance of mixing zones for aluminum, copper, lead, and ammonia resulting in revised effluent limitations for these constituents. In addition, new effluent limitations are included for nitrate plus nitrite and pH, and the effluent limitations for iron and manganese have been removed because the discharge does not demonstrate reasonable potential to cause or contribute to an instream exceedance of the applicable water quality objectives for iron and manganese.

A public hearing concerning this matter will be held during the Central Valley Water Board meeting scheduled for:

DATE:	23/24 June 2016
TIME:	8:30 a.m.
PLACE:	Central Valley Regional Water Quality Control Board Room 11020 Sun Center Drive, #200 Rancho Cordova, CA 95670

The designated parties for this hearing are as follows:

- Bear Valley Water District Representatives

Only designated parties will have these rights: to call and examine witnesses; to introduce exhibits; to cross-examine opposing witnesses; to impeach any witness; and to rebut the evidence against him or her. All other persons wishing to testify or provide comments are interested persons and not designated parties. Such interested persons may request status as a designated party for purposes of this hearing by submitting such request in writing to the Central Valley Water Board no later than

5:00 p.m. on **31 May 2016**. The request must explain the basis for status as a designated party and in particular how the person is directly affected by the discharge.

Persons wishing to comment on this noticed hearing item shall submit testimony, evidence, if any, and/or comments in writing to the Central Valley Water Board via email to **RB5S-NPDES-Comments@waterboards.ca.gov** no later than **5:00 p.m.** on **31 May 2016**. Written evidence or comments submitted after **5:00 p.m.** on **31 May 2016** will not be accepted and will not be incorporated into the administrative record absent a ruling by the Board Chair. Any party requesting to submit late materials must demonstrate good cause for the late submission, and the Chair must find that accepting the late submission will not prejudice the Central Valley Water Board or any Designated Party.

All designated parties and interested persons may speak at the Central Valley Water Board meeting, and are expected to orally summarize their written submittals. Oral testimony and cross examination will be limited in time by the Board Chair.

Anyone having questions regarding the hearing item should contact Dania Jimmerson at (916) 464-4742 or dania.jimmerson@waterboards.ca.gov. Interested parties may download the tentative Order and related documents from the Central Valley Water Board's Internet website at http://www.waterboards.ca.gov/centralvalley/board_decisions/tentative_orders/. Copies of these documents can also be obtained by contacting or visiting the Central Valley Water Board's office at 11020 Sun Center Drive, #200, Rancho Cordova, California 95670-6114 weekdays between 8:00 a.m. and 5:00 p.m. **The final meeting agenda will be available at http://www.waterboards.ca.gov/centralvalley/board_info/meetings/ at least 10 days before the meeting. The agenda will provide the specific date the Board Meeting will be held for this item, indicate the anticipated order of all agenda items, and may include staff revisions to the proposed order(s).**

The procedures governing Central Valley Water Board meetings may be found at Title 23, California Code of Regulations, Section 647 et seq. and are available upon request. Hearings before the Central Valley Water Board are not conducted pursuant to Government Code section 11500 et seq. The procedures may be obtained by accessing http://www.waterboards.ca.gov/laws_regulations/. Information on meeting and hearing procedures is also available on the Central Valley Water Board's website at http://www.waterboards.ca.gov/centralvalley/board_info/meetings/mtgprocd.shtml or by contacting any one of the Central Valley Water Board's offices. Questions regarding such procedures should be directed to Ms. Kiran Lanfranchi-Rizzardi at (916) 464-4839.

The hearing facilities will be accessible to persons with disabilities. Individuals requiring special accommodations are requested to contact Ms. Kiran Lanfranchi-Rizzardi at (916) 464-4839 at least 5 working days prior to the meeting. TTY users may contact the California Relay Service at 1-800-735-2929 or voice line at 1-800-735-2922.

Please bring the above information to the attention of anyone you know who would be interested in this matter.

Original Signed By

ADAM LAPUTZ, Assistant Executive Officer

29 April 2016

Comments on Bear Valley Water District Preliminary Draft Order.

Page	Section	Comment
4	III.F	Is the minimum dilution flow of 20:1 a daily average or instantaneous?
4	III.F	Is the minimum dilution flow of 20:1 to be based on 20 parts of downstream receiving water flow (the original 1987 guidance from DHS, i.e., the creek is no more than 5% effluent), or 20 parts of upstream flow?
5	Table 4	An average weekly flow should be specified. We suggest 2.0 MGD to reflect peak snow melt season discharges.
5	Table 4	The calculations of lbs/day ammonia load limits appear to be incorrect, e.g., MGD x 13 mg/L x 8.345 = 110 lb/day, not 270 lb/day as shown in Table 4. All Averaged Weekly lbs/day limitations need to use the specified value.
5	Table 4	We think the iron and manganese effluent limitations should be removed because it is our understanding that a discharger is not required to "clean up" a surface water (i.e., have lower effluent limitations than background surface water concentrations) if the source of the surface water background concentrations is natural, not a source caused by human activity. Bloods Creek has elevated iron and manganese concentrations, and we believe those elevated concentrations are of natural origins. We believe this for two reasons: 1) there is no human activity on the Bloods Creek watershed that we believe either uses Fe or Mn, or would mobilize naturally occurring Fe or Mn; 2) the Alpine Water Company (our potable water supplier) draws water from nearby Lake Alpine and their records show this potable water supply lake has Fe concentrations commonly over 1,000 µg/L (1.0 mg/L) with peaks over 2,000 µg/L; and Mn concentrations commonly over 200 µg/L with peaks over 500 µg/L (see attached data sheets for 2002-2014). The proposed Order should reflect this new information in determining if iron and manganese effluent limitations are needed, and if so, at what concentrations.
5 and 15	IV.A.1.b and VII.A	Because the District 1) uses pond treatment (an equivalent secondary process appropriate to the very seasonal flows and occupancy rates of Bear Valley), 2) has a large effluent storage reservoir from which discharges to Bloods Creek are made, and 3) makes said discharges during snow melt season (typically May/June), the District questions whether the 85% removal requirement is appropriate and whether the means for determining compliance with the percent removal requirement (whatever the final number is) is appropriate. The District uses waste stabilization ponds as its principal process, an equivalent secondary treatment process to which 65% removal criteria may be applied. The discharge should occur only during snow melt season (typically May/June). Because of the hydraulic residence time to the stabilization pond process (which includes the storage reservoir), the effluent being discharged to Bloods Creek is chronologically removed from the influent to the WWTP during snow melt season by many months. Because the discharge is made in snow melt season, this is when 1) I/I is greatest, 2) area occupancy is lowest, and 3) influent BOD and TSS concentrations typically are lowest (lots of snowmelt I/I into the entire collection system with only a few homes providing actual wastewater

		BOD and TSS). The final complication is that typically the discharge will occur in late May to June during the higher snowfall conditions typically necessitating discharge. This timing coincides with long solar days which increase algae growth (i.e., BOD and TSS production) in the reservoir. Therefore, during a typical Bloods Creek discharge event, influent BOD/TSS concentrations will be lowest (because of snowmelt driven I/I and low occupancy), effluent BOD/TSS concentrations will be approaching their peak values (because of algae growth approaching the summer solstice), and influent/effluent BOD/TSS effluent removal percentages will be low, though there is nothing wrong with the treatment process and the effluent BOD/TSS concentrations with the 20:1 dilution requirement pose no threat to public health or the environment. Those are the facts of the situation to the best of our knowledge. The question we ask is whether the regulations were crafted in a manner that allows you to regulate relative to that reality. Specifically, we believe the compliance assessment should be based on the average of influent BOD values collected during the 12 calendar months preceding the month in which discharge occurs...this represents a composite of the influent water actually being discharged to Bloods Creek. As an example, if we discharge in May 2016, then the influent BOD value we use for percent removal calculations would be the average of influent BOD data collected from May 2015 through April 2016. Because of 1) the BOD/TSS interference from algae growth in the reservoir (which starts below the ice before it is even gone from the reservoir; ice transmits light into the underlying water), 2) the low occupancy rate much of the year, and 3) I/I occurring in the entire collection system regardless of occupancy rate, we question whether a BOD/TSS removal percent is appropriate as long as public health and the environment are protected. We recognize that the removal percent were included in the regulations because many cities proposed to design I/I into their sewer collection systems as the means to reduce BOD/TSS concentrations to acceptable levels, rather than build treatment plants, but that is not the case here. We have a utility designed to serve a small service population, extremely variable occupancy rates and, high I/I that is inherent in mountainous (shallow, sloped soil) situations with heavy snow packs. We request that the removal percent be reduced to at least 65%, if not removed altogether if the regulatory means exist to allow removal.
6	IV.B	Because the Order acknowledges that land discharge occurs (and is to be maximized under this Order), this section should refer the reader to Discharger's WDRs, and avoid any conflict or contradiction between the two. To avoid any possibility of conflict or varying interpretation, the NPDES Order should acknowledge land discharge and refer the reader to the WDR Order.
13	V1.C.2.a.ii	With the Order acknowledging dilution credits, the TRE trigger should be > 4 TUc as precedent in other recent Orders (such as San Andreas).
14	V1.C.4.b	This section risks conflicts with the WDR Order. This section specifically states Discharger shall irrigate a minimum of 80 acres between 1 July and 30 September. The Discharger does not irrigate all 80 acres of its

		land discharge area because of buffers and site-specific factors. The Discharger does not irrigate continuously between 1 July and 30 September because of soil saturation with late snow melt and/or summer storms. As an example, Donner Summit may not begin land discharge until August because of soil saturation conditions and accordingly can discharge to South Yuba River through July. BVWD may not be able to irrigate until August, as well, but does not need to discharge to Bloods Creek in July because the District has more storage capability than Donner Summit. As noted previously, we suggest the NPDES Order stay focused on the surface water (Bloods Creek) discharge, and refer to the WDR Order for all regulation/control of the land discharge.
15	V1.C.6.a	Is the "Southern California Drinking Water Field Operations Branch" the correct contact for this discharge to the Stanislaus River watershed?
15	VII.C	We recommend the language be changed to that provided by the State's health experts in CCR Title 22 Section 60301.225. Though not directly applicable to the discharge, this is the standard being implemented, and this is the actual language implementing that standard. The language used in the Order should reflect the recommendations of the State's health experts exactly, not vaguely.
B-1	Attachment B	Map misidentifies Bloods Creek as Bear Creek
E-3 & E-7	Table E-1 & VI.A.1	PND-001 should specify monitoring at approximately four feet below the surface, which is consistent with the location of the effluent discharge and sampling intake port location. Monitoring the surface of any water is rarely representative of bulk fluid because of surface tension effects and the possibility of floating debris, especially seasonal pollen in this particular setting. Further, surface sampling is not possible due to an ice layer that typically exists during the required monitoring period.
E-3	III.A	This section should state monitoring under this Order is to occur only from January through June, the period to which this Order is applicable.
E-6	V.B.7	With the toxicity trigger changed to >4 TUc, this section should read "using 25% effluent" rather than "using 100% effluent" (see San Andreas Order).
E-18	Table E-10	The "Maximization of Land Application, Annual Report" is not necessary or appropriate if the NPDES Order leaves all regulation of land discharge matters to the WDR Order. As noted previously, if both Orders (NPDES and WDR) regulate land discharge, then we must be careful to avoid contradictions, and/or confusion, between the two regulations, and which one governs in the event of a conflict.
F-4	II.A	The statement "Aeration is provided for 10 to 12 hours per day by three 30-horsepower (Hp) diffusers installed at the bottom of the pond" is not correct. Suggested language: "Aeration is provided by one 40-HP VFD-equipped blower to 36 – 18" diameter submerged coarse bubble diffusers". As a result aeration is provided as needed; not necessarily 10-12 hours per day.
F-11	IV.A.5	The Regional Water Board requires 100-year designs, therefore events with that return frequency (or more common) are not "emergency situations". Therefore, this section should be amended to remove the phrase" in emergency situations during severe wet weather periods

		and". With this revision, the Order reads, "...discharges to Bloods Creek are only necessary to maintain design conditions during snowmelt season". This is a factual and accurate statement. Additionally, the sentence that reads as follows should be deleted, or modified. "The Discharger has attributed the necessity for these discharges to lack of adequate storage capacity, excessive I/I, consecutive wet years, and heavy snowmelt". As written, it implies the District has inadequate storage capacity and excessive I/I. The District has a fixed amount of storage and land; I/I is inevitable in mountainous snow country; our planned discharge is no more of an "emergency" or a result of "inadequate facilities/maintenance" than any other discharger, we fortunately discharge less.
F-12	IV.B.2.b	Delete the phrase "or make an emergency discharge, when necessary". Delete the phrase "during extremely wet weather periods".
F-45	IV.C.3.c.ix.(a)(1)	Delete last sentence as no longer being correct, "This Order also includes a prohibition of dischargers to Bloods Creek when the storage/polishing reservoir has more than 25 million gallons of available storage capacity (i.e., when the storage/polishing reservoir is less than two-thirds full)".
F-45	IV.C.3.c.ix.(a)(4)	Delete. This is, now, an established fact and no longer needs to be discussed.
F-45	IV.C.3.c.ix.(a)(5)	The surface of the reservoir will not be sampled because such a sample is not representative. We suggest deleting the phrase "the surface of".
F-46	IV.C.3.c.ix(b)	"Spanish Creek" should be changed to "Bloods Creek".
F-48 & F-54	Table F-10 & Table F-11	lbs/day values for ammonia need to be revised per previous comments. Table F-11 also needs a "Average Weekly" flow limit. We suggest 2.0 MGD. The BOD, TSS, and Ammonia lbs/day limits need to reflect this flow.
F-57	V1.B.2.a	Per previous comment related to dilution credits, increase the numeric toxicity monitoring trigger to >4 TUc.
F-60	V1.B.4	This section should be revised to eliminate words such as "excessive", "lack of adequate", and "heavy". As noted previously, any requirements in this NPDES Order must be in agreement with the WDR Order, otherwise we will need specific statements acceptable to the Regional Water Board's Compliance Enforcement group specifying which Order has primacy in the event of conflict. As noted previously, we suggest all land discharge specifications, requirements, limitations, etc., be included in the WDR Order, not in both the NPDES Order and WDR Order.

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bear valley
WATER DISTRICT

May 26, 2016

Mr. James Marshall
California Regional Water Quality Control Board
Central Valley Region
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670

Subject: Bear Valley Water District Tentative Order Comments/Suggestions

Dear Mr. Marshall:

The purpose of this submittal is to provide the Regional Water Board with comments and suggestions regarding the Bear Valley water District (District) Bear Valley Wastewater Treatment Facility Tentative Order provided to the District for review April 29, 2016.

We greatly appreciate the time you and your staff have taken to work closely with the District during the permit development process. The District is generally in support of the Order as written, with the exception of the comments and suggestions presented in the following table for your consideration.

Page	Section	Comment
4 17	III.F VII.H	The 1987 guidance from the Department of Health Services in "Wastewater Disinfection for Health Protection" recommended 1 part effluent in 20 parts of <u>downstream</u> receiving water flow (i.e., ≤ 5% effluent), not 1 part effluent in 20 parts of upstream flow (i.e., ≤ 4.76% effluent). We request the original guidance be followed.
13 E-6	VI.C.2.a.ii V.B.7	We believe maintaining a numeric toxicity monitoring trigger of >1 TUc while providing dilution credits for aquatic life protection water quality criteria is not appropriate and adds probable cost to rate payers, while providing no real additional protection to the environment. The following example makes the point clear. Example: A Discharger has demonstrated the need for, and availability of, a dilution credit (D) of 100 for chronic aquatic life criteria. Would the Discharger be expected to exceed a chronic bioassay trigger of 1 TUc? Yes, otherwise the Discharger has no need for any Ds, or the bioassay test is over sensitive, and/or the criteria is overly conservative. We are not in a position to question the validity of the chronic bioassay test or the chronic aquatic life criteria. However, we do believe we are in a position to request consistent regulation. If we receive a chronic aquatic life criterion D of 4 or more, we believe the chronic bioassay trigger should be 4TUc, or more, as precedented by the Orders for dischargers as small as (and as similar as) San Andreas Sanitary District, and as large as Sacramento Regional. We request the trigger be increased to >4 TUc based on 1) the logic that if we need a D of 4 or more for chronic aquatic life criteria, then we also need a trigger of >4 for the chronic aquatic life bioassay results, and 2) the precedence established by the Regional Water Board.

14 E-18 F-46 F-62	VI.C.4.a, IX.D.1. Table E-10, 3.vii.a.1 3.vii.a.3 VI.B.4.b	The reporting requirement for "Maximization of Land Application" is not necessary or appropriate if the NPDES Order leaves all regulation of land discharge matters to the WDR Order. This reporting requirement also duplicates reporting of the same information required in the WDR annual report and would appear to not be a good use of District resources. We recommend removing this requirement where it appears throughout the tentative order and leaving regulation of all land discharge matters to the WDR Order.
E-15	1x.B.2	Please clarify whether monthly SMRs are to be submitted even in the "no discharge" months of July through December. Such submittals would appear not to be a good use of District resources. We request no SMRs be submitted in "no discharge" months.
E-8	VI	The heading for this section "LAND DISCHARGE MONITORING REQUIREMENTS" risks conflict with the WDR Order. We recommend replacing this language with "Storage/Polishing Reservoir Monitoring Requirements".
E-8, F-45 F-64	VI.A.1, VIII.B.1 IV.C.3.c.ix.(a)(5) VII.B.4	Monitoring of the <u>surface</u> of the storage/polishing reservoir from 1 December through 30 June 1 is 1) not representative of the discharge effluent, and 2) presents significant safety hazards to District staff during conditions of heavy snow and when the pond is iced over. Monitoring Location EFF-001 001 provides for flow-through testing where samples are representative of the volume and quality of the discharge. We recommend these sections be changed to read: ". . . . the Discharger shall monitor the storage reservoir at Monitoring Location EFF-001. . . ." These changes should also be reflected in the footnotes following Table E-5.
E-14	Footnote 4	Where grab samples have been permitted at Monitoring Locations EFF-001 and RSW-001 the water characterization analysis, footnote 4 should be deleted to avoid confusion with the "grab" effluent sample type identified in Table E-8.
F-63	VII.A	The monitoring frequency for influent should be changed to correspond to match the MRP in Table E-2, page E-3.

Please feel free to contact me if you would like to discuss these comments.

Sincerely,

Jeff Gouveia
District Manager

c. Eric Zeigler, Stantec Consulting Services Inc.

2.

Response to Comments
for the
Bear Valley Water District
Bear Valley Wastewater Treatment Facility
Tentative Waste Discharge Requirements

The following are Central Valley Regional Water Quality Control Board (Central Valley Water Board) staff responses to comments submitted by interested parties regarding the tentative Waste Discharge Requirements (NPDES Permit No. CA0085146) renewal for the Bear Valley Water District (Discharger), Bear Valley Wastewater Treatment Facility (Facility).

The tentative NPDES Permit was issued for a 30-day public comment period on 29 April 2016 with comments due by 31 May 2016. The Central Valley Water Board received public comments regarding the tentative Permit by the due date from the Discharger. Some changes were made to the proposed Permit based on public comments received.

The submitted comments were accepted into the record, and are summarized below, followed by Central Valley Water Board staff responses.

DISCHARGER COMMENTS

Discharger Comment 1. Discharge Prohibition of a Minimum Dilution Ratio of 20:1.

The tentative permit includes Discharge Prohibition III.F that prohibits discharge to Bloods Creek unless there is at least a 20:1 flow ratio. The tentative permit requires compliance with the prohibition based on the ratio of the daily average upstream Bloods Creek flow to the daily average effluent flow. The Discharger requests that the original guidance from the Department of Health Services (now the State Water Resources Control Board, Division of Drinking Water) in "Wastewater Disinfection for Health Protection" be followed as 1 part effluent in 20 parts of <u>downstream</u> receiving water flow (i.e., ≤ 5% effluent) instead of 1 part effluent in 20 parts of upstream flow (i.e., ≤ 4.76% effluent).

RESPONSE: Central Valley Water Board staff concurs and has been modified the proposed Permit accordingly.

Discharger Comment 2. Chronic Toxicity Trigger.

The proposed Permit, at Section VI.C.2.a, includes a chronic whole effluent toxicity (WET) numeric monitoring trigger of >1 chronic toxicity unit (TUc) to ensure compliance with the Basin Plan's narrative toxicity objective. The Discharger requests a change in the numeric monitoring trigger from >1 TUc to >4 TUc. The proposed Permit requires a 20:1 dilution ratio when discharging and allows dilution credits for chronic aquatic life criteria of 5:1 for aluminum, ammonia, copper and lead. Therefore, the Discharger requests a numeric monitoring trigger consistent with the dilution available and allowed in the proposed Permit. The Discharger contends this would be consistent with other similar dischargers, such as the San Andreas Sanitary District Wastewater Treatment Plant.

RESPONSE: Unlike the San Andreas Sanitary District, which provided WET test data to support an increased numeric monitoring trigger, the Discharger has not yet provided WET test data for its discharge. Therefore, though the Central Valley Water Board will provide

the Discharger with the opportunity to provide information supporting an increased toxicity trigger, the Central Valley Water Board staff does not concur that the monitoring trigger should be changed at this time.

The Discharger provided a mixing zone study estimating a 5:1 dilution ratio at 10 feet downstream of the outfall and provided sampling data for aluminum, ammonia, copper and lead for the effluent and Bloods Creek. This information was sufficient to grant a chronic aquatic life criteria mixing zone and dilution credits for these constituents. The mixing zone study demonstrates there may be sufficient hydraulic dilution to allow a chronic WET numeric monitoring trigger of >4 TUc. However, toxicity can be synergistic and/or additive when the effluent mixes with the receiving water and the same amount of dilution granted for aluminum, ammonia, copper, and lead may not exist for toxicity. The Discharger in this case has not provided any WET data to support the request for the increased numeric monitoring trigger. In order to allow the higher trigger, chronic WET testing is needed to demonstrate a numeric monitoring trigger of 4 TUc will not result in chronic toxicity outside an approved chronic aquatic life mixing zone. To do this the Discharger must conduct chronic WET testing using the dilution series required in Table E-4 of the proposed Permit, which will evaluate the toxicity of the effluent/receiving water mixture at various dilutions. The Discharger may collect this data in conjunction with the updated dilution/mixing zone study or at a later date. The proposed Permit has been modified to allow the Executive Officer to increase the chronic WET numeric monitoring trigger up to a trigger of >4 TUc provided sufficient information has been submitted by the Discharger.

Limitations and Discharge Requirements Section VI.C.2.a of the proposed permit has been modified as shown in underline/strikeout format below:

ii. **Numeric Toxicity Monitoring Trigger.** The numeric toxicity monitoring trigger to initiate a TRE is >1 TUc (where TUc = 100/NOEC). The monitoring trigger is not an effluent limitation; it is the toxicity threshold at which the Discharger is required to begin accelerated monitoring and initiate a TRE. The Executive Officer may authorize up to a numeric toxicity monitoring trigger of >4 TUc, if the Discharger provides adequate justification as described in the Fact Sheet (Attachment F, Section VI.B.2.a).

The third paragraph of Attachment F, Section VI.B.2.a "Chronic Whole Effluent Toxicity Requirements" of the proposed permit has been modified as shown in underline/strikeout format below:

> **Monitoring Trigger.** A numeric toxicity monitoring trigger of >1 TUc (where TUc = 100/NOEC) is applied in the provision, because this Order does not allow any dilution for ~~the~~ chronic whole effluent toxicity ~~condition~~. Therefore, a TRE is triggered when the effluent exhibits toxicity at 100% effluent. This Order allows a chronic aquatic life mixing zone extending 10 feet downstream of the outfall, so a higher numeric toxicity trigger may be warranted. The Discharger provided a mixing zone study estimating a 5:1 dilution at the edge of the chronic aquatic life mixing zone, which demonstrates there is sufficient hydraulic dilution to allow a numeric toxicity monitoring trigger of up to >4 TUc. However, toxicity can be synergistic and/or additive when the effluent mixes with the receiving water. Therefore, the numeric monitoring trigger may need to be established based on an effluent/receiving water mixture that is less than the available hydraulic dilution to ensure chronic toxicity

does not occur outside the mixing zone. Chronic WET testing is needed to demonstrate there is no chronic toxicity outside the approved chronic aquatic life mixing zone. To do this the Discharger must conduct chronic WET testing using the dilution series required in Table E-4 of this Order, which will evaluate the toxicity of the effluent/receiving water mixture at various dilutions. The Executive Officer may authorize the chronic WET trigger be increased to up to >4 TUc provided sufficient information has been submitted by the Discharger.

Discharger Comment 3. Maximization of Land Application.

The tentative permit includes a provision to submit an annual report demonstrating land application has been maximized. The Discharger requests removal of this requirement in the NPDES permit because similar requirements are included in Waste Discharge Requirements Order 5-01-208 that regulates discharges to land.

RESPONSE: Central Valley Water Board staff concurs the reporting requirement is duplicative to that required in WDR Order 5-01-208 and have removed the provision from the proposed NPDES permit.

Discharger Comment 4. SMRs Submittal During Non-Discharge Season (1 July through 31 December)

The Discharger requests removal of the requirement for self-monitoring reports (SMRs) submittal during the non-discharge season, 1 July through 31 December, given the discharger's limited resources.

RESPONSE: Central Valley Water Board staff concurs in part. The proposed NPDES permit includes a discharge prohibition that prohibits discharge to Bloods Creek from 1 July through 31 December. The reporting requirement is already minimized and only requires the Discharger to demonstrate compliance with the NPDES permit by submitting a cover letter and electronically certifying that no discharge occurred.

Discharger Comment 5. Land Discharge Monitoring Requirements.

The Discharger requests replacing the heading language "Land Discharge Monitoring Requirements" (Attachment E, Section VI) with "Storage/Polishing Reservoir Monitoring Requirements" to avoid conflict and confusion with the requirements established in WDR Order 5-01-208.

RESPONSE: Central Valley Water Board staff concurs and have modified the proposed NPDES permit accordingly.

Discharger Comment 6. Monitoring Location Storage/Polishing Reservoir.

The Discharger requests to change the description of the monitoring location at the "surface of the storage/polishing reservoir" because it is not representative of the discharge effluent and it presents significant safety hazards to the Discharger's staff during conditions of heavy snow

and when the pond is iced over. The Discharger states that monitoring Location EFF-001 provides for flow-through testing where samples are representative of the volume and quality of the discharge. Therefore, the Discharger requested these sections be changed to read: "...the Discharger shall monitor the storage reservoir at Monitoring Location EFF-001..."

RESPONSE: Central Valley Water Board concurs and has modified the proposed NPDES permit accordingly.

Discharger Comment 7. Grab Samples for Monitoring Locations EFF-001 and RSW-001.

The Discharger requests to delete footnote 4 in Table E-9, which states that "24-hour flow proportional composite" to avoid confusion since all the sample type requirements at EFF-001 and RSW-001 are grab samples.

RESPONSE: Central Valley Water Board staff concurs. This footnote has been removed in the proposed NPDES Permit.

Discharger Comment 8. Influent Monitoring Frequency.

The Discharger requests to change the description of the influent monitoring frequency in the Fact Sheet to match monitoring frequency description in the Monitoring and Reporting Program (Attachment E, Table E-2).

RESPONSE: Central Valley Water Board staff concurs. This change has been made in the proposed NPDES Permit.

AGENDA

Public Meeting

Central Valley Regional
Water Quality Control Board

Wednesday, June 22, 2016 – 9:00 a.m.
Thursday, June 23, 2016 – 9:00 a.m.
Friday, June 24, 2016 – 8:30 a.m.
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670

WEBCAST OF BOARD MEETING
Live video broadcast of this meeting will be available at: http://www.calepa.ca.gov/Broadcast/

The Central Valley Board strives to conduct accessible, orderly, and fair meetings. The Board abides by the following rules when conducting its meetings:

- No person is required to register their name or provide other information to the Board in order to attend a Board meeting. Completing an attendance card is voluntary, unless you wish to testify before the Board.
- Anyone speaking to the Board will be requested to complete an attendance card.
- Anyone testifying in permit and enforcement actions will be required to complete an attendance card and affirm that any testimony that they provide is the truth by taking an oath.
- Items on this Agenda are numbered for identification purposes only; the Board may consider these items out of their listed order.
- Any item scheduled for the first day of a multi-day Board meeting may be delayed or continued to the next day, and items may also be moved from the second day to the first day. The Board may remove items from this Agenda without prior notice.
- If the Board lacks a quorum, the Board may conduct a hearing as a Panel Hearing. However, the Board will not take final action on such an item until a quorum of the Board is present.

Copies of the items to be considered by the Central Valley Water Board are posted on the Board's website at: http://www.waterboards.ca.gov/centralvalley/board_decisions/tentative_orders/

Board agendas and the minutes of prior meetings are posted on the Board's website at: http://www.waterboards.ca.gov/centralvalley/board_info/meetings/

Questions regarding individual items should be directed to the Board staff person whose name and phone number are indicated with the agenda item. If no staff person is listed, or for general questions, please contact Ms. Kiran Lanfranchi-Rizzardi at: (916) 464-4839 or klanfranchi@waterboards.ca.gov

The Board meeting will be conducted at a facility that is accessible to people with disabilities. Individuals requiring special accommodations are asked to contact Ms. Lanfranchi-Rizzardi at (916) 464-4839 at least 5 working days prior to the meeting. TTY users may contact the California Relay Service at 1-800-735-2929 or voice line at 1-800-735-2922.

A list of applications for Water Quality Certifications, which the Board issues pursuant to Section 401 of the Clean Water Act, can be found at: http://www.waterboards.ca.gov/centralvalley/public_notices/
or can be obtained by calling the Board at: (916) 464-3291.

ELECTRONIC PRESENTATIONS

PowerPoint and other electronic presentations are frequently presented at the Board Meetings. Please e-mail presentations to the Board's Webmaster at webmaster5@waterboards.ca.gov at least 24 hours in advance, or bring your files either on a USB Flash Drive or CD-ROM and give them to Board Staff prior to the start of the meeting.

WEDNESDAY JUNE 22, 2016 – 9:00 A.M.

1. Introductions, Pledge of Allegiance.
2. Meeting Rules and Procedures
3. Public Forum – *Any member of the public may address the Board on any matter within the Board's jurisdiction and not scheduled for consideration at this meeting, or pending before the Board*
4. Workshop to Discuss the Framework for a Salt and Nitrate Management Plan for the Central Valley

THURSDAY, JUNE 23, 2016– 9:00 A.M.

1. Introductions, Pledge of Allegiance, and approval of minutes of the April 20-21 Board meeting
2. Meeting Rules and Procedures
3. Board Member Communications – Board Members and the State Board Liaison Member may discuss meetings, communications, correspondence, or other items of general interest relating to matters within the Board's jurisdiction. There will be no voting or formal action taken
4. Public Forum – *Any member of the public may address the Board on any matter within the Board's jurisdiction and not scheduled for consideration at this meeting, or pending before the Board*
5. *State Board Liaison update-Informational item only*
6. Executive Officer's Report (http://www.waterboards.ca.gov/centralvalley/board_info/exec_officer_reports/)

NPDES PERMITS

7. City of Auburn, Auburn Wastewater Treatment Plant, Placer County – *Consideration of NPDES Permit Renewal (NPDES Permit CA0077712)* [Elizabeth Thayer (916) 464-4671]

NPDES PERMITS-ENFORCEMENT

8. City of Live Oak, Live Oak Wastewater Treatment Plant, Sutter County – *Consideration of NPDES Permit Renewal (NPDES Permit CA0079022)* and Time Schedule Order [David Kirn (916) 464-4761]

NPDES PERMIT

9. *Consideration of Adoption of a Regionwide Municipal Separate Storm Sewer Systems (MS4s) General Permit* [Bryan Smith, (530) 226-3425]

OTHER BUSINESS

10. Sulphur Creek Mine Waste Removal Project, Colusa County – *Informational Item Only* [Jeff Huggins (916) 464-4639]
11. Monitoring and Data Collection Needs and Challenges for Pyrethroid Pesticides related to the Central Valley Pyrethroid Pesticides TMDL and Basin Plan Amendment – *Informational Item Only* [Danny McClure (916) 464-4751]

FRIDAY, JUNE 24, 2016 – 8:30 A.M.

12. Introductions, Pledge of Allegiance.
13. Meeting Rules and Procedures.
14. Board Member Communications – Board Members and the State Board Liaison Member may discuss meetings, communications, correspondence, or other items of general interest relating to matters within the Board's jurisdiction. There will be no voting or formal action taken.
15. Public Forum – *Any member of the public may address the Board on any matter within the Board's jurisdiction and not scheduled for consideration at this meeting, or pending before the Board* (3 minute time limit per subject)
16. Executive Officer's Report (**http://www.waterboards.ca.gov/centralvalley/board_info/exec_officer_reports/**)
17. The Board will be asked to approve items through 23 to 29 with no discussion if no one is here to testify about them.

OTHER BUSINESS

18. Effluent Limitations for Nitrogen for Wastewater Treatment Facilities – *Informational Item Only* [Scott Hatton (559) 444-2502]
19. Irrigated Lands Hearing Panel– *Informational Item Only* [Andrew Altevogt (916) 464-4656]
20. Strategic Planning – *Informational Item Only* [Pamela Creedon (916) 464-4839]

ENFORCEMENT

21. Cruiser Haven, Inc. and Delta Waterways, LLC. Contra Costa County – *Consideration of Administrative Civil Liability Order* [Guy Childs (916) 464-4648]

WASTE DISCHARGE REQUIREMENTS

22. Waste Management of Alameda County, Altamont Landfill and Resource Recovery Facility, Alameda County – *Consideration of Revised Waste Discharge Requirements* (WDRs Order R5-2009-0055) [Vinoo Jain, (916) 464-4815]

UNCONTESTED CALENDAR

(Cal. Code Regs., tit. 23, § 647.2, subd. (f).)

Uncontested items are those items that are not being contested at the Board Meeting and will be acted on without discussion. If any person or Board Member requests discussion, the item may be removed from the Uncontested Calendar and taken up in the regular agenda in an order determined by the Board Chair.

ENFORCEMENT

AGENDA ITEM 23 HAS BEEN REMOVED FROM THE AGENDA AND WILL BE HEARD AT A FUTURE BOARD MEETING

23. ~~The Morning Star Packing Company L.P. and Fred Globel, The Morning Star Tomato Packing Plant, Colusa County – *Consideration of a Resolution to Amend Cease and Desist Order R5-2016-0007*~~

OTHER BUSINESS

24. Sequoia National Forest, Kern River Ranger District, Osa Meadow Restoration Project – *Consideration of a Resolution Approving an Initial Study and Mitigated Negative Declaration*
25. *Consideration of Approval of Butte County Environmental Health Division's Local Agency Management Program (LAMP), Pursuant to the State Water Board's Onsite Wastewater Treatment Systems Policy*, Butte County

26. **NPDES PERMITS**

a. Bear Valley Water District, Bear Valley Wastewater Treatment Plant, Alpine County, *(NPDES Permit CA0085146)(Renewal) and Rescission of Time Schedule Order R5-2011-0054*
b. City of Corning, Corning WWTP, Tehama County, *(NPDES Permit CA0004995) (Renewal)*
c. Santa Fe Aggregates, Inc. and Walter John Seaborn, Sand and Gravel Plant, Tulare County, CA0082201) *(Renewal)*
d. Quincy Community Services District, Quincy Wastewater Treatment Plant, Plumas County, *(NPDES Permit CA0085146) (Renewal) and Time Schedule Order (New)*
e. The Boeing Company, Groundwater Extraction and Treatment Systems, GET HB, Southern Groundwater Study Area GET and Admin GET, Sacramento County, *NPDES Permit* R5-2014-0017*(Revised)*

27. **WASTE DISCHARGE REQUIREMENTS**

a. ARO Pistachios, Inc., and Mehdi Orandi, Terra Bella Processing Facility, Tulare County, *(New)*
b. Anderson Class III Municipal Solid Waste Landfill and Class II Surface Impoundments, Shasta County, R5-2005-0118 *(Revised)*
c. City of Mendota, Mendota Wastewater Treatment Facility, Fresno County, *(New)*
d. Meridian Beartrack Co. and Meridian Gold Company, Royal Mountain King Mine, Calaveras County, (WDRs Order R5-2008-0021) *(Revised)*
e. Recology Hay Road and Recology Hay Road DBA Jepson Prairie Organics, Recology Hay Road Landfill, Solano County, (WDRs Order R5-2008-0188) *(Revised)*
f. Tesoro Viejo Master Mutual Water Company, Tesoro Viejo Wastewater Treatment Plant, Madera County, *(New)*
g. City of Clovis, City of Clovis Municipal Solid Waste Landfill, Class III Landfill, Construction, Operation, and Corrective Action, Fresno County, Order R5-2011-0050 *(Revised)*

28. **WASTE DISCHARGE REQUIREMENTS – RESCISSIONS**

a. Brentwood City, Brentwood Master Reclamation Permit, Contra Costa County, Order R5-2004-0132
b. Clear Creek Mobile Estates, Shasta County, Order 94-268
c. Edward Hyatt Power Plant, Butte County, Order 93-009
d. Granite Construction Company, Granite Kelseyville Plant, Lake County, Order 86-208
e. Honey Rock Camp, Butte County, Order 89-049
f. Indian Valley CSD, Taylorsville Wastewater Treatment and Subsurface Disposal System, Plumas County, Order 95-162

29. **CHANGE OF NAME/OWNERSHIP**

a. Gary Douglas, Pilot Travel Center 168 WWTF, Yolo County, 01-266
b. Southern Estates, LLC and Riverbend MHP, LLC, Sandy Point & River Bend MHPs, Fresno County, Order 90-098
c. Golden Feather MHP, Butte County, Order 91-163
d. Big Valley Power, Lassen County, Order R5-2007-0060

BEAR VALLEY WATER DISTRICT

MEMORANDUM

TO **BOARD OF DIRECTORS**

FROM **GARY S. GHIO, DISTRICT ENGINEER** GSG

RE **1 in 100 YEAR WATER BALANCE AND PROPOSED NPDES PERMIT RENEWAL**

DATE **June 7, 2016**

As directed, I have updated the District's 1 in 100 Year Water Balance in an effort to reflect the anticipated requirements which are contained within the draft renewal copy of the District's NPDES permit for discharges to Bloods Creek.

As the Board Members may recall, the District's current NPDES permit prohibits discharge to Bloods Creek from the polishing pond when there is greater than 35 MG of unused storage in the pond. The 35 MG threshold was dictated by the Regional Water Quality Control Board (RWQCB) during the NPDES renewal process in 2011 and was based upon the requirement of having the polishing pond two-thirds full before the discharge to Bloods Creek could commence. This limitation was incorporated into the District's 1 in 100 Year Water Balance and resulted in estimates of future District capacity of 245 RLUs. (See Bear Valley Water District Memorandum dated February 4, 2014.)

As the proposed NPDES permit has removed the two-thirds full requirement for discharge, and in an effort to determine the effects on District capacity, the 1 in 100 Year Water Balance (attached) was revised based upon the assumption that discharge to Bloods Creek would commence once flows within the creek were adequate to accept the District's discharge.

Bloods Creek Flow Data and Influent Flow Data

In order to determine potential monthly amounts of discharge to Bloods Creek based upon the 20:1 dilution requirement contained in the NPDES permit, 2015/2016 Bloods Creek flow data was utilized in the updated water balance in lieu of 2010/2011 data due to concerns with the accuracy of the 2010/2011 data. Both sets of data are attached to this memorandum for information purposes.

The following table presents a comparison of the total precipitation and snow water content projected in the 1 in 100 Year Water Balance as well as what occurred during the 2010/2011 and 2015/16 precipitation seasons.

	1 in 100	**2010/2011**	**2015/2016**
Total Precipitation (Inches)	83.00	84.73	54.62
Snow Water Content (Inches)	60.00	60.82	34.56

Although the 2015/2016 water year did not approach what was experienced in 2010/2011, which forms the basis for the 1 in 100 Year Water Balance, the potential discharge amounts for January thru May contained in the attached water balance, are based upon the 2015/2016 flow data and proposed permit limits. The amount of potential creek discharge for the month of June was assumed the same as May due to lack of data in 2015/2016 and the fact that discharges would have occurred thru June in the 2010/2011 scenario. This should result in a conservative estimate of District capacity.

In addition to updating the potential discharge amounts to Bloods Creek, the 90th percentile influent flows contained in the water balance were updated to include influent data thru May 2016.

Water Balance Results

As can be seen from the attached water balance, incorporating the items described above results in a potential District capacity of 1,196 RLUs assuming no infiltration associated with said RLUs.

The Board should remain cognizant that the water balances are to serve as a guide to capacity and total discharge amounts only. The exact timing of discharges to Bloods Creek as well as irrigation of the spray fields will differ from year to year. Due to the limited Bloods Creek flow data used in this analysis, it is not recommended the District revise the adopted estimate of future District capacity. This analysis is primarily to provide the Board members with information regarding the potential increase in capacity based upon the renewal of the NPDES permit.

Collection of accurate Bloods Creek flow data is essential to the determination of District Capacity and as additional data is collected during subsequent years the potential monthly discharge amounts should be refined. It should also be noted the District's waste discharge requirements (WDRs) currently contain a wastewater inflow limit of 100,000 gpd which will need to be revised as new customers are added and flows increase.

#2318/nlm
Board Memo_5-13-16

BEAR VALLEY WATER DISTRICT WASTEWATER TREATMENT AND DISPOSAL SYSTEM 6/7/2016 10:14

(2016 update - (Potential NPDES Permit) Water Year 2011 1 in 100 Year Water Balance Projection - 2000 thru 5/2016 90TH Percentile monthly ADF Plus 1,196 RLU (201 gpd/RLU) -Assumes no infiltration with new RLUs

INPUT DATA

TREATMENT POND CHARACTERISTICS		STORAGE RESERVOIR		IRRIGATION AREA CHARACTERISTICS		CLIMATOLOGICAL FACTORS	
GROSS AREA (ac)	3.2	GROSS AREA (ac)	18.6	DISTRICT DISPOSAL LAND (AC)	80		
WATER SURFACE AREA (ac)	2.9	MAX. WATER SURFACE (ac)	14.2	SOIL WATER DEFICIT BEFORE IRRIGATION (IN)	n/a	OCT-APR EVAP/AVG EVAP RATIO	0.76
				FRACT OF LAND IRRIGATED	n/a	MAY-SEP EVAP/AVG EVAP RATIO	1.00
		STORAGE CAPACITY (MG)	76.43	IRRIGATION EFFICIENCY (DECIMAL FRACT)	n/a	PAN COEFFICIENT	0.80
		FRAC EST. PERC	1.0	FRACTION OF EST. PERC RATE	n/a	LAND PRECIP COLLECTED (FRAC)	0.9

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	7.63	6.87	5.17	3.05	43.62
ACTUAL PRECIP (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
ACTUAL SNOW ACCUM (IN Water)$_{(a)}$	7.82	23.83	26.08	36.04	53.71	41.62	22.88	0.00	0.00	0.00	0.00	2.96	
ACTUAL 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
ACTUAL NEW SNOW IN MONTH (IN Water)	7.82	16.01	2.61	10.08	18.38	1.30	2.37	0.00	0.00	0.00	0.00	1.53	60.11
ESTIMATED MAX PERCOLATION (IN)$_{(a)}$	10.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0
# 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	
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	
90TH PERCENTILE EXISTING FLOWS (Avg. GAL/D)	35,340	75,835	83,020	108,476	123,884	184,549	184,888	125,446	74,976	64,231	40,142	32,953	
TOTAL INFLUENT FLOW (GAL/D)	275,736	316,231	323,416	348,872	364,280	424,945	425,284	365,842	315,372	304,627	280,538	273,349	

CALCULATIONS

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	ANNUAL
WASTEWATER VOLUME (gal)	8,272,080	9,803,161	10,025,896	9,768,416	11,292,680	12,748,350	13,183,804	10,975,260	9,776,532	9,443,437	8,416,140	8,473,819	122,179,575
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
TREATMENT POND													
PERCOLATION (IN)	-8.38	-5.41	-12.69	-7.74	-5.73	-21.66	-15.57	-17.29	-4.18	-2.11	-2.81	-2.97	-106.55
PERC VOLUME (gal)	-659,620	-426,378	-999,502	-609,371	-451,372	-1,705,370	-1,226,247	-1,361,614	-329,361	-166,362	-221,115	-233,864	-8,390,176
EVAP. VOLUME (gal)	39,374	31,499	39,374	39,374	102,372	173,244	338,614	417,361	480,359	433,111	322,864	149,620	2,567,166
PRECIP. VOLUME (gal)	917,603	1,721,582	244,465	914,160	1,843,814	290,087	400,268	135,144	142,891	0	160,107	374,444	7,144,564
TREATMENT DISPOSAL(GAIN)/ (gal)	(1,537,849)	(2,116,461)	(1,204,593)	(1,484,157)	(2,192,815)	(1,822,212)	(1,287,901)	(1,079,397)	8,107	266,749	(58,358)	(458,688)	(12,967,574)
POLISHING RESERVOIR													
PERCOLATION (IN)	10.00	29.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.00
PERC VOLUME (gal)	1,535,438	7,268,203	0	0	0	0	0	0	0	0	0	0	8,803,641
W.S. AREA (ac)$_{(b)}$	5.65	9.23	10.59	11.26	11.85	12.20	11.03	11.01	10.27	10.10	8.53	3.88	
EVAP. VOLUME (gal)	76,772	100,251	143,735	152,944	418,428	728,847	1,287,727	1,584,042	1,700,365	1,507,916	949,500	199,939	8,850,465
PRECIP. VOLUME (gal)	5,017,132	9,607,174	1,374,682	5,160,095	10,441,880	1,645,993	2,256,380	761,738	802,063	0	889,925	2,026,313	39,983,375
MONTHLY AVAIL. SNOWMELT (IN)$_{(c)}$	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 SNOW CONTR. (%)$_{(d)}$	0%	0%	0%	0%	0%	0%	45%	28%	0%	0%	0%	0%	
ESTIMATED AREA OF INFLUENCE (ac)	50	50	50	50	50	50	50	50	50	50	50	50	
ESTIMATED INFLUX TO STORAGE (gal)$_{(e)}$	0	0	0	0	0	0	12,897,727	8,697,780	0	0	0	0	21,595,507
RESERVOIR DISPOSAL(GAIN) (gal)	(3,404,922)	(2,238,720)	(1,230,947)	(5,007,151)	(10,023,451)	(917,146)	(13,866,380)	(7,875,476)	898,301	1,507,916	59,575	(1,826,374)	(43,924,776)
IRRIGATION													
IRRIGATION DISPOSAL (gal)$_{(f)}$	0	0	0	0	0	0	0	0	10,796,000	22,361,000	17,521,000	11,999,000	62,677,000
STORAGE													
BEGINNING STORAGE (gal)	3,268,000	16,482,851	30,641,193	38,702,628	45,962,353	50,371,299	35,859,007	35,597,093	26,927,225	25,001,349	10,309,121	1,203,044	
CALCULATED STORAGE GAIN (gal)	13,214,851	14,158,341	12,461,435	16,259,725	23,508,946	15,487,709	28,338,085	19,930,133	-1,925,876	-14,692,228	-9,106,077	-1,240,119	
PROJECTED ESTIMATED STORAGE (gal)	16,482,851	30,641,193	43,102,628	54,962,353	69,471,299	65,859,007	64,197,093	55,527,225	25,001,349	10,309,121	1,203,044	0	
AMOUNT DISCHARGED TO BLOODS CREEK (gal)	0	0	4,400,000	9,000,000	19,100,000	30,000,000	28,600,000	28,600,000	0	0	0	0	119,700,000
ACTUAL ESTIMATED STORAGE (gal)	16,482,851	30,641,193	38,702,628	45,962,353	50,371,299	35,859,007	35,597,093	26,927,225	25,001,349	10,309,121	1,203,044	0	

MAXIMUM STORAGE (MG) 50.37
AVAILABLE STORAGE (MG) 76.43

SUMMARY

ANNUAL INFLOW (MG)	
WASTEWATER	122.18
PRECIPITATION	47.13
SNOW INFLUX (MG)	21.60
TOTAL	190.90

ANNUAL OUTFLOW POTENTIAL (MG)	
AMOUNT DISCHARGED TO BLOODS CREEK	119.70
EVAPORATION	11.42
PERCOLATION	0.41
IRRIGATION	62.68
TOTAL	194.21

OVERALL BALANCE	
UNUSED DISPOSAL CAPACITY (MG) (MUST NOT BE NEGATIVE)	0.04
UNUSED STORAGE CAPACITY (MG) (MUST NOT BE NEGATIVE)	26.06

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

BEAR VALLEY WATER DISTRICT
COMPARISON OF BLOOD CREEK FLOWS 2010/2011 AND 2015/2016
June 7, 2016

BLOODS CREEK TOTAL FLOW (MG)

	January	February	March	April	May	June
2010/2011			232	736	1,163	1,705
2015/2016	92	189	402	711	600	

20:1 DILUTION BLOODS CREEK FLOWS (MG)

	January	February	March	April	May	June
2010/2011			11.0	35.1	55.4	81.2
2015/2016	4.4	9.0	19.1	33.8	28.6	

Bear Valley Water District Financial Year 2016-17 + 5 Year Budget Forecast	BUDGET FY 16 - 17	% DIFF PREV YEAR	BUDGET FY 17 - 18	% DIFF PREV YEAR	BUDGET FY 18 - 19	% DIFF PREV YEAR	BUDGET FY 19 - 20	% DIFF PREV YEAR	BUDGET FY 20 - 21	% DIFF PREV YEAR	5 YR Total
REVENUES											
Residential	591,000		591,000		591,000		591,000		591,000		
Commercial	152,000		152,000		152,000		152,000		152,000		
Sutbtotal Operating Revenue	**743,000**	**-0.24%**	**743,000**	**0.00%**	**743,000**	**0.00%**	**743,000**	**0.00%**	**743,000**	**0.00%**	**$3,715,000**
EXPENSES											
Salaries and Benefits	289,519	6.69%	301,711	4.04%	313,912	3.89%	323,244	2.89%	331,081	2.37%	
Director Expenses - Meetings, Elections, Training	8,500		8,500		8,500		8,500		8,500		
Operator Education, Training & Certifications	1,000		1,000		1,000		1,000		1,000		
Gas, Diesel, Oil & Filters	13,000		13,000		13,000		13,000		13,000		
Insurance	22,000		22,000		22,000		22,000		22,000		
Memberships & Conferences	5,000		5,000		5,000		5,000		5,000		
Office Expenses & Supplies	10,000		10,000		10,000		10,000		10,000		
Field Expenses & Supplies	15,000		15,000		15,000		15,000		15,000		
Grooming, Snow Removal & Vehicle Storage	2,500		2,500		2,500		2,500		2,500		
General Engineering & Consulting	15,000		15,000		15,000		15,000		15,000		
General Legal & Accounting	10,000		10,000		10,000		10,000		10,000		
Equipment Rental	18,000		18,000		18,000		18,000		18,000		
Repairs & Maintenance	61,200		42,700		37,700		40,700		28,700		
Laboratory Fees	21,000		21,000		21,000		21,000		21,000		
Regulatory Reporting & Compliance Projects	7,000		6,000		6,000		6,000		6,000		
Taxes, Fees, Licenses & Assessments	30,000		30,000		30,000		30,000		30,000		
Utilities	55,000		55,000		55,000		55,000		55,000		
Subtotal Operating Expenses	**583,719**	**4.99%**	**576,411**	**-1.27%**	**583,612**	**1.23%**	**595,944**	**2.07%**	**591,781**	**-0.70%**	
Net Operational Income	**159,281**		**166,589**		**159,388**		**147,056**		**151,219**		**$783,534**
OTHER REVENUE											
Interest Income - LAIF	500		500		500		500		500		
Late Fees, Penalties & Interest	10,000		10,000		10,000		10,000		10,000		
Expense Reimbursements - USFS	1,500		1,500		1,500		1,500		1,500		
Expense Reimbursements - Concessionnairre	3,000		3,000		3,000		3,000		3,000		
Connection Fees (Incl Application & Inspection Fees)	0		0		0		0		0		
Sutbtotal Other Revenue	**15,000**		**15,000**		**15,000**		**15,000**		**15,000**		
OTHER EXPENSES											
Loan Interest	20,156		18,809		17,203		15,680		14,011		
Depreciation - Est	116,154		152,898		199,923		249,248		300,316		
Sutbtotal Other Expenses	**136,310**		**171,707**		**217,126**		**264,928**		**314,327**		
Net Other Income	**(121,310)**		**(156,707)**		**(202,126)**		**(249,928)**		**(299,327)**		
NET INCOME	**37,971**		**9,882**		**(42,738)**		**(102,872)**		**(148,108)**		**($245,864)**
NON-CASH EXPENDITURES (included in net income)											
Depreciation - Est	116,154		152,898		199,923		249,248		300,316		
Loan Payments - Principal	(36,182)		(37,629)		(39,134)		(40,657)		(42,326)		
Sutbtotal Non-Cash Expenses	79,972		115,269		160,789		208,591		257,990		
CASH EXPENDITURES (Not Included in net income)											
Capital Improvements / Replacements	(102,500)		(88,500)		(53,000)		(66,000)		(34,000)		
Sutbtotal Addl Cash Expenses	(102,500)		(88,500)		(53,000)		(66,000)		(34,000)		
NET CASH FLOW	**15,443**		**36,651**		**65,051**		**39,719**		**75,882**		**$232,747**
Debt/Coverage Ratio - Loan Covenants - 1.25 or Greater	**4.260**		**4.326**		**4.017**		**3.600**		**3.596**		

BEAR VALLEY WATER DISTRICT - 5 YEAR CAPTIAL IMPROVEMENT / REPLACEMENT PROGRAM

	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Collections					
Main Pump Station					
Comminutor Replacement - New Grinder / Screener				50000	
SCADA Telemetry Addition - Sigma 980 Ultrasonic Level and Flow	3500				
LABR Pump Station - Hadronex Smart Cover Level Monitor with SAT Alarming	5500				
Hydrojetter - Portable Tow Jetter		50000			
Collection Systems Asset Management System (AMS)	6000				
Treatment					
Treatment Pond					
Aeration System Replacement / Upgrades			50000		
Baffle System Replacement	50000				
SCATA - Telemetry					
Transfer Pump Automation & Chlorine Residual Monitoring	17000				
Disposal & Capacity					
Land Disposal Discharge Materials - 78 pc 3" x 30'	6000			6000	
Intangible Assets - Regulatory Compliance, Permits					
USFS Permit Renewal Cost Recovery - NEPA & Env Review	10000				
Follow Up Mixing Zone/Dilution Study					
Work Plan	4500				
Field Study, Report, Correspondence		28500			
Pump Rental		3000			
Chronic Toxitcy Testing - Dilution Series - <4 TCu		10000			
NPDES Order Ammendment to include Dilution Credits			3000		
NPDES Permit Renewal & Report of Waste Discharge					30000
Priority Pollutant Testing - Once in the Permit Term				10000	
Salinity Evaluation and Minimization Plan, Progress Report					4000
Totals	**$102,500.00**	**$91,500.00**	**$53,000.00**	**$66,000.00**	**$34,000.00**

Stantec

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

June 9, 2016
File: 184030475

Attention: Jeff Gouviea
Bear Valley Water District
P.O. Box 5027
Bear Valley, CA 95223

Dear Jeff,

Reference: Proposal for Effluent Disposal Protocol Revision Services

In response to your request, Stantec is pleased to provide this letter proposal for services to assist the District with revising its effluent disposal protocol to a more environmental friendly and economically affordable plan that should also allow the District to serve more EDUs (equivalent dwelling units) when needed. The proposed services will be provided in a three-step manner to maximize cost effectiveness for the District. These steps are described briefly below.

Below is a Scope of Services and Budget describing the services to be provided by Stantec to assist the District with revising its effluent disposal protocol.

SCOPE OF SERVICES

Specific tasks to be completed by Stantec are defined as follows:

Task 1. Get Regional Water Board Buy-In

It makes little sense for the District to develop a new effluent disposal plan that the Regional Water Board will not consider based on 1) current District operations, and 2) the Regional Water Board's Basin Plan. Therefore, the proposed first step to revising the effluent disposal protocol is to get Regional Water Board staff buy-in of the concept, and guidance as to any special needs they believe they will need to accept the proposed plan. To facilitate this first step, Stantec proposes to prepare a letter for Regional Water Board submittal that describes the District's proposal. Specific elements in the conceptual "buy-in" letter to the Regional Water Board will include:

1. Annual cost (equipment rental, power, and labor) to implement the current annual summer effluent application to land campaign, and how that cost impacts rates, District budget, and year-round residents in the valley.
2. Water lost to atmosphere (and therefore California) that safely and easily could have been discharged to Bloods Creek for downstream beneficial use (e.g., water uses from Don Pedro Reservoir). Provide an example year (or two) of what could have been done, but wasn't under the current protocol.

Reference: Proposal for Effluent Disposal Protocol Revision Services

3. Work with Regional Water Board staff to develop an outline of a revised effluent disposal protocol they may accept, and the types of justifications they believe they will need to accept the revised protocol.

Prior to drafting the above-described letter, Stantec will provide the District with a request for information describing the information and data necessary for review, analysis, and inclusion into the letter, as appropriate.

Estimated Budget: $4,500

Completion Schedule: Three weeks following authorization by District to proceed.

Task 2. Develop Revised Effluent Disposal Protocol

This task will be an extension of Task 1, and will be undertaken only if the results of Task 1 suggest a reasonable chance of success in revising the effluent disposal protocol in a way acceptable to the Regional Water Board staff. Aspects of the revised protocol are expected to include:

1. The initial development of the District and its service boundaries, and the individual residential lots that have the potential to be developed, but currently are undeveloped. A discussion of improvements to the resort to improve the local economy should be developed to the extent feasible. In other words, the District needs to have a plant to maximize its service capacity to the existing service boundary and subdivided lots, because the in-District potential needs for service is believed to be greater than the currently available effluent disposal capacity as the facilities are operated currently. No additional disposal lands are readily available to the District. Condemnation of land is inappropriate when other lawful, precedented effluent disposal options exist.
2. Review of the current effluent disposal protocol, its cost, the amount of water lost to the atmosphere, and the amount of water that could have been discharged safely to Bloods Creek.
3. Suggest a revised effluent disposal protocol covering:
   a. How the District proposes to initiate effluent discharges to Bloods Creek to maximize water availability at Don Pedro and minimize District expense to land apply (i.e., waste) water.
   b. Estimate how this revised protocol is believed to address District sewer service obligations.
4. Discuss why this revised protocol is believed to be in concert with the Basin Plan, State water conservation policies, existing CEQA, and existing Anti-Degradation Analysis.

Reference: Proposal for Effluent Disposal Protocol Revision Services

The forgoing protocol will be developed with the District. A draft protocol document will be provided to the District for review and comment prior to producing the final protocol for submittal to the Regional Water Board.

Estimated Budget: $19,000

Completion Schedule: Four weeks prior to completion of Task 1.

Task 3. Provide Support to Regional Water Board Staff

The extent of effort needed to address Regional Water Board concerns regarding the submitted revised effluent disposal protocol is unknown at this time. It is anticipated to be minor as a result of Task 1, and a minor effort has been budgeted. This may change depending on Regional Water Board Concerns.

Estimated Budget: $2,500

Completion Schedule: Three weeks following authorization by District to proceed.

SUMMARY

Stantec proposes to complete the tasks described in this proposal on a time and materials basis, based on Stantec's current rate table, in an amount not to exceed **$26,000**.

Feel free to contact me if you have any questions or concerns.

Regards,

STANTEC CONSULTING SERVICES INC.

Eric Zeigler
Senior Environmental Scientist
Phone: (916) 773-8100
Eric.Zeigler@stantec.com

4.

USDA United States Department of Agriculture
Forest Service
Pacific Southwest Region
Stanislaus National Forest
19777 Greenley Road
Sonora, CA 95370
209-532-3671
TDD: 209-533-0765
FAX: 209-533-1890

File Code: 2700
Date: June 6, 2016

Jeff Gouveia
General Manager (BVWD)
P.O. Box 5027
Bear Valley, CA 95223

RECEIVED JUN 10 2016

RECEIVED JUN 10 2016

Dear Jeff,

I appreciate your patience during the Special Use Permit Process for the Bear Valley Wastewater Treatment Facility.

Fortunately, the Cost Recovery (Category 6) Agreement is complete (Cost Recovery Agreement - 16MJ-11051652381). The package will be submitted to the Albuquerque Service Center, Reimbursable and Advance Collection Agreements (RACA). Personnel at RACA will process the agreement and issue an invoice to BVWD.

We will continue with the environmental analysis (NEPA), once funds are deposited and made available to my team. Findings, may lead to additional analysis needs, and/or monitoring. If this is the case the Forest Service will request additional funds from BVWD to complete the work.

Concerning the request for purchase of the 40 acres BVWD is interested in, the proposal has been submitted to the lands team at the Regional Office. Unfortunately, the project did not make the top priorities, for this year. We will continue to work with the Regional Office, until this project is considered a priority.

Enclosed you will find your copy of the fully executed Category 6 Major Cost Recovery Agreement, Scope of Work, and Application.

For any questions regarding the above, please feel free to contact Jose L. Hernandez, Assistant Recreation Officer at 209-795-1381.

Sincerely,

JEANNE M HIGGINS
Forest Supervisor

cc: Casey Jardine; Karen Uhri

FS-2700-26(09/12)
OMB No. 0596-0082

CATEGORY 6 MAJOR COST RECOVERY AGREEMENT
Between
USDA, FOREST SERVICE, Stanislaus National Forest,
and Bear Valley Water District (BVWD)

This agreement is entered into between the UNITED STATES DEPARTMENT OF AGRICULTURE, FOREST SERVICE, Stanislaus National Forest (the Forest Service), and the Bear Valley Water District (the applicant) under 36 CFR 251.58.

A. RECITALS

1. On March 17, 2015, the Forest Service accepted the applicant's application for use and occupancy of National Forest System lands (hereinafter "the application"), which is enumerated in Appendix A. The Forest Service shall assess the applicant a cost recovery fee for the agency's costs to process the application.

2. The Forest Service has determined that the fee for processing the application falls within category 6 under the applicable Forest Service processing fee schedule and/or that the fee for monitoring the applicant's special use authorization falls within category 6 under the applicable Forest Service monitoring fee schedule.

4. The geographic area to be covered by this agreement is T.7N. ,R18E, Sec. 3,4,5,7,8,9,10,17,18,19,. See Appendix B.

5. The application has been submitted or the applicant's special use authorization is being issued under the Mineral Leasing Act, or under other authorities and the applicant has waived payment of reasonable costs. Therefore, the Forest Service is entitled to recover its full actual costs incurred in processing the application or monitoring the authorization.

6. Payment of a processing fee by the applicant does not obligate the Forest Service to authorize the applicant's proposed use and occupancy. If the application is denied or withdrawn in writing, the applicant is responsible for costs incurred by the Forest Service in processing the application up to and including the date the agency denies the application or receives written notice of the applicant's withdrawal. If the applicant withdraws the application, the applicant also is responsible for any costs subsequently incurred by the Forest Service in terminating consideration of the application.

7. The Forest Service shall determine the appropriate level of environmental analysis for the application and inform the applicant prior to initiating the environmental analysis.

8. Information associated with this agreement may be released to the public in accordance with the provisions of the Freedom of Information Act and Privacy Act.

PART I - PROCESSING FEES

B. BASIS FOR PROCESSING FEES

Processing fees for the application are based upon the direct and indirect costs that the Forest Service incurs in reviewing the application, conducting environmental analyses of the effects of the proposed use, reviewing any applicant-generated environmental documents and studies, conducting site visits, evaluating the applicant's technical and financial qualifications, making a decision on whether to issue the authorization, and preparing documentation of analyses, decisions, and authorizations for the application. The processing fee for the application shall be based only on costs that are necessary for processing the application. "Necessary for" means that but for the application, the costs would not have been incurred. The processing fee shall not include costs for studies for programmatic planning or analysis or other agency management objectives, unless they are necessary for processing the application. Proportional costs for analyses, such as capacity studies, that are necessary for the application may be included in the processing fee.

C. AGREEMENT

In consideration of the foregoing, the parties agree as follows:

1. Scope of Work. The Forest Service shall develop a scope of work for processing the application and an estimate of the agency's costs to process the application, which will be incorporated into this agreement as Appendix C. This scope of work shall report direct costs in categories that correspond to those in the agency's accounting system, e.g., job code, personnel compensation based upon the cost to the government (salary and benefits), travel, and other direct services, materials, and supplies. In addition, the estimate of the agency's processing costs shall include the agency's indirect costs based upon the approved annual indirect cost rate. Classification of costs as direct or indirect shall be in accordance with the published Forest Service budget for the applicable fiscal year. The work by the Forest Service includes environmental analysis for a Decision Memo. The intent is for issuance of a temporary

use authorization of National Forest land; giving the Forest Service and BVWD time to pursue a land exchange, under the authority of the Townsite Act.

2. Environmental Analysis. The Forest Service shall supervise the preparation of the environmental analysis associated with the application in compliance with applicable legal requirements, including public review of the analysis, analysis of public comments, and decision documentation. In exercising this responsibility, the Forest Service shall endeavor to foster cooperation among other agencies involved in the process, and to integrate National Environmental Policy Act requirements and other environmental review and consultation requirements to avoid, to the fullest extent possible, duplication of efforts by those agencies. However, the Forest Service shall not delegate to any other agency its authority over the scope and content of the environmental analysis, or approval or denial of the application.

3. Billing. The Forest Service shall bill the applicant prior to commencement of work. The applicant agrees to pay the estimated processing fee of **$8,343.52**. The bill for the estimated processing fee will be sent by The Forest Service, Albuquerque Service Center (ASC).

4. Payment. The applicant shall pay the estimated processing fee within 30 days of the date the bill for the fee is issued. The Forest Service shall not initiate processing the application until the estimated processing fee is paid. If the applicant fails to pay the estimated processing fee or the fee is late, the Forest Service shall cease processing the application until the fee is paid.

5. Statement of Costs. The Forest Service shall annually report costs incurred for processing the application by providing a financial statement from the agency's accounting system to the applicant.

6. Underpayment. When the estimated processing fee is lower than the full actual costs of processing an application submitted under the Mineral Leasing Act, or lower than the full reasonable costs (when the applicant has not waived payment of reasonable costs) of processing an application submitted under other authorities, the applicant shall pay the difference between the estimated and full actual or reasonable processing costs within 30 days of billing.

7. Overpayment. If payment of the processing fee exceeds the full actual costs of processing an application submitted under the Mineral Leasing Act, or the full reasonable costs (when the applicant has not waived payment of reasonable costs) of processing an application submitted under other authorities, the Forest Service shall either (a) refund the excess payment to the applicant or (b) at the applicant's request, credit it towards monitoring fees due.

8. Disputes

a. If the applicant disagrees with the estimated dollar amount of the processing costs, the applicant may submit a written request before the disputed fee is due for substitution of alternative estimated costs to the immediate supervisor of the authorized officer who determined the estimated costs. The written request must include supporting documentation.

b. If the applicant pays the full disputed processing fee, the Forest Service shall continue to process the application during the supervisory officer's review of the disputed fee, unless the applicant requests that the application processing cease.

c. If the applicant fails to pay the full disputed processing fee, the Forest Service shall suspend further processing of the application pending the supervisory officer's determination of an appropriate processing fee and the applicant's payment of that fee.

d. The authorized officer's immediate supervisor shall render a decision on a disputed processing fee within 30 calendar days of receipt of the written request from the applicant. The supervisory officer's decision is the final level of administrative review. The dispute shall be decided in favor of the applicant if the supervisory officer does not respond to the written request within 30 days of receipt.

9. Lack of Administrative Appeal. A decision by an authorized officer to assess a processing fee or to determine the estimated costs is not subject to administrative appeal. A decision by an authorized officer's immediate supervisor in response to a request for substitution of alternative estimated costs likewise is not subject to administrative appeal.

10. Amendment. Modifications to this agreement shall be made in writing and shall be signed and dated by both parties.

11. Expiration and Termination. This agreement expires on **12/31/2018**. Either party, in writing, may terminate this agreement in whole or in part at any time before it expires. The applicant is responsible for all Forest Service costs covered by this agreement that are incurred up to the date of expiration or termination.

12. Principal Point of Contact. The Forest Service and the applicant shall each establish a principal point of contact for purposes of this agreement.

The Forest Service's contact is Jose L. Hernandez, Special Uses Administrator (209)795-1381.

The applicant's contact is Jeff Gouveia, General Manager (209)753-2112.

This agreement is accepted subject to all its terms and conditions	
Jeff Gouveia General Manager	JEANNE HIGGINS Forest Supervisor USDA, Forest Service
Date _____	Date _____

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0082.. The time required to complete this information collection is estimated to average 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

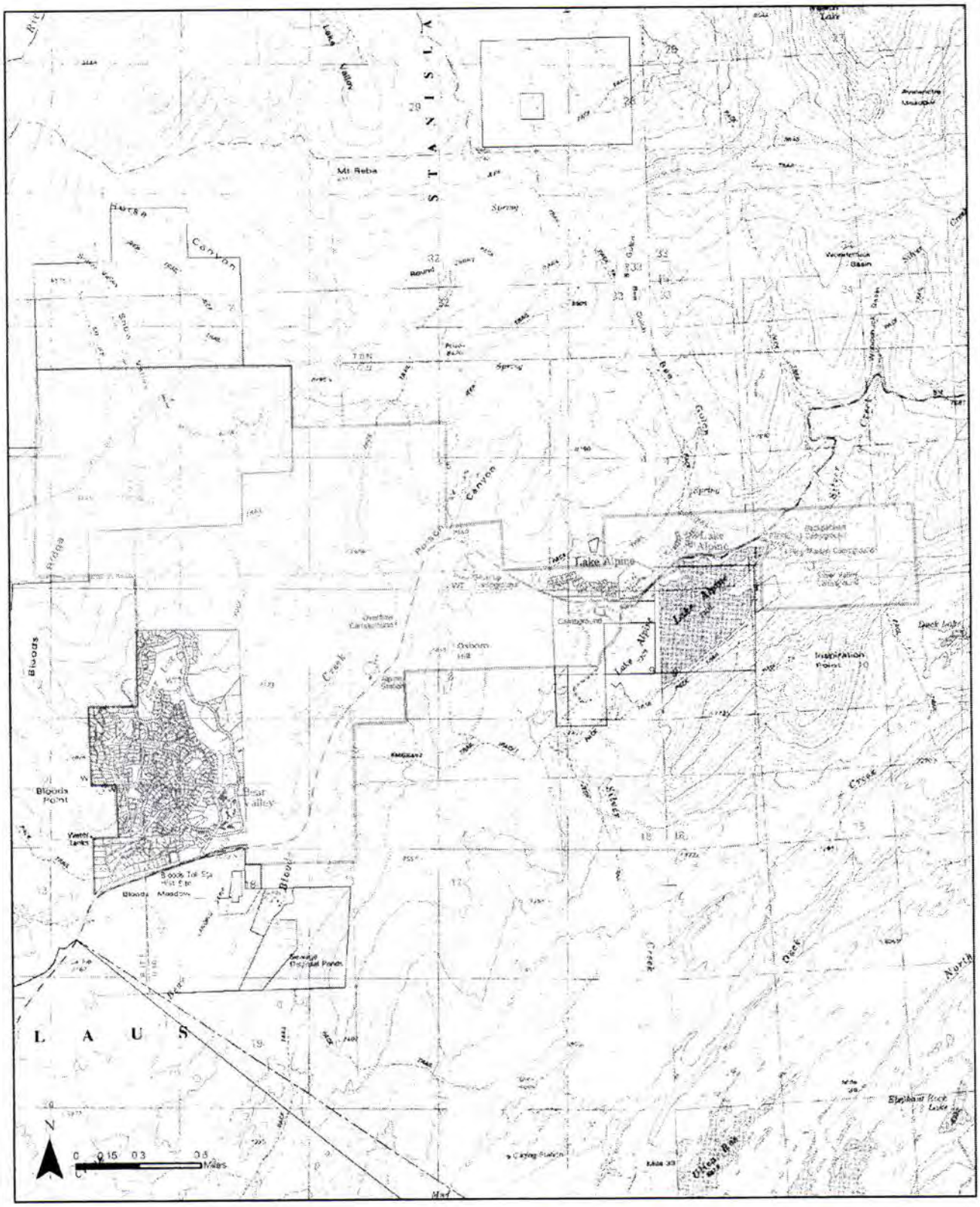
The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

APPENDIX A

Applications

APPENDIX B

Project Location Maps



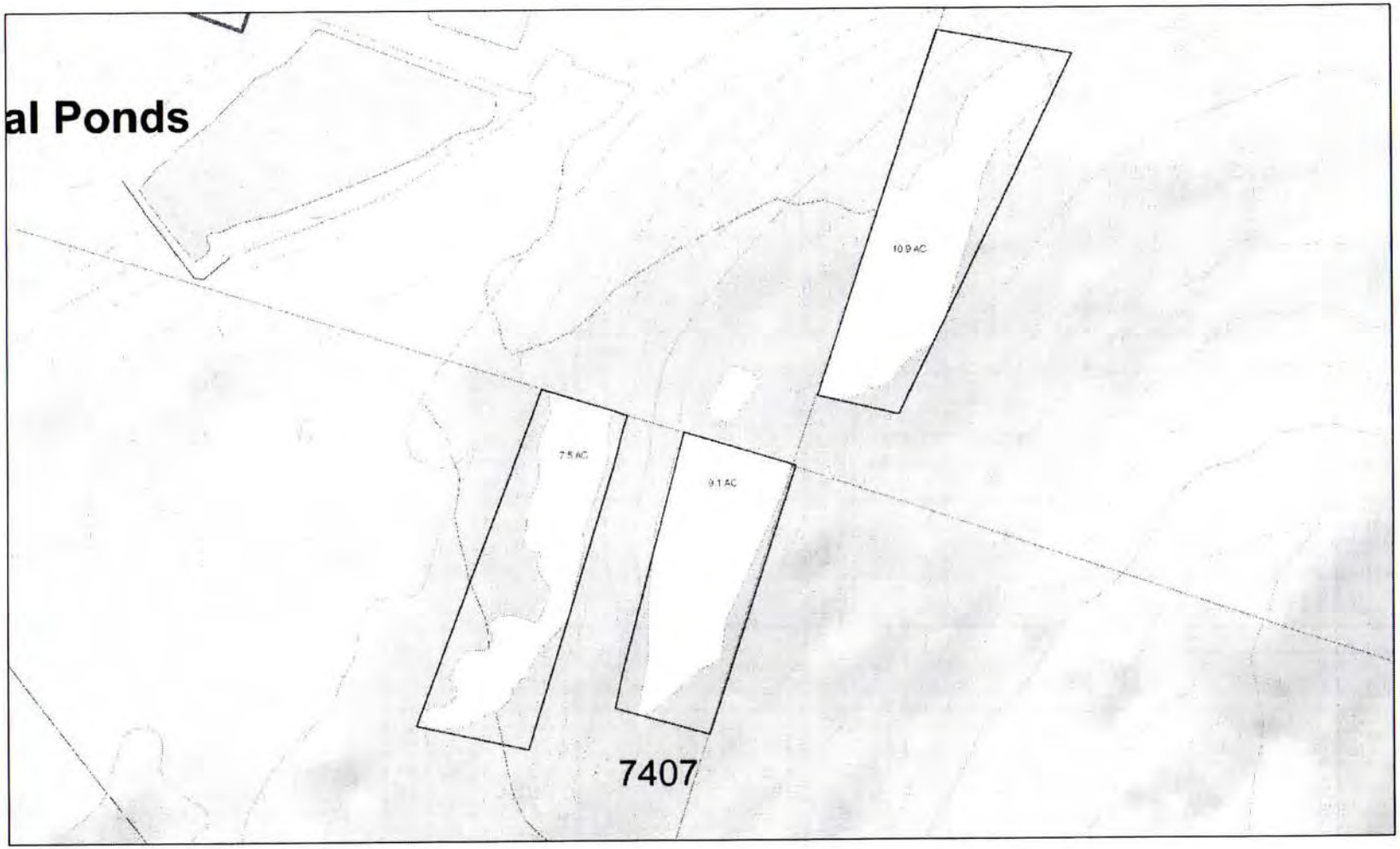
Draft BV Water District Boundary

Legend

BV Water District

parcels08

Bear Valley Water District Spray Fields



Appendix B - Spray Field Sites

4.

APPENDIX C
Scope of Work

Estimation Sheet for Cost Recovery and/or Fee

04/08/2016

Monitoring	Amendment# :	Type of NEPA :	
Item	**Item Description**	**Est. Hours**	
CASE MANAGER	Develop Cost Recovery needs and agreement	24	
OTHER SPECIALIST	District Ranger - NEPA Review	8	
PERMIT ADMINISTRATOR	Process Application	8	
COST REVIEWER	Review Cost to complete project	4	
NEPA COORDINATOR	Document NEPA needs	16	
SOIL SCIENTIST	Soil Analysis and Reports	16	
FISHERIES BIOLOGIST	Aquatics Analysis, Survey and Reports	24	
BOTANIST	Botany Report	8	
OTHER SPECIALIST	Botany Lead - Survey Analysis	8	
OTHER SPECIALIST	Botany Crew - Field Surveys	24	
HYDROLOGIST	Hydrology Analysis (ground and surface) and Reports	40	
ARCHAEOLOGIST/CULTURAL RESOURCES	Archeology Survey/Review and Report	8	
WILDLIFE BIOLOGIST	Review and Reports	24	
	Total Hours :	**212**	**Category :** 6

For Categories 5 or 6 Determine Estimated and Actual Costs:

Item	Item Description	Hourly Rate	Estimated Hours	Estimated Cost	Actual Hours	Actual Cost	Comments
ARCHAEOLOGIST/CULTURAL RESOURCES	Archeology Survey/Review and Report	$47.85	8	$382.80		$0.00	
BOTANIST	Botany Report	$46.61	8	$372.88		$0.00	

CASE MANAGER	Develop Cost Recovery needs and agreement	$31.06	24	$745.44		
COST REVIEWER	Review Cost to complete project	$62.73	4	$250.92		
FISHERIES BIOLOGIST	Aquatics Analysis, Survey and Reports	$32.63	24	$783.12	$0.00	
HYDROLOGIST	Hydrology Analysis (ground and surface) and Reports	$39.04	40	$1,561.60	$0.00	
NEPA COORDINATOR	Document NEPA needs	$31.06	16	$496.96		
OTHER SPECIALIST	Botany Lead - Survey Analysis	$25.74	8	$205.92	$0.00	
OTHER SPECIALIST	Botany Crew - Field Surveys	$23.05	24	$553.20	$0.00	
OTHER SPECIALIST	District Ranger - NEPA Review	$57.43	8	$459.44		
PERMIT ADMINISTRATOR	Process Application	$31.06	8	$248.48		
SOIL SCIENTIST	Soil Analysis and Reports	$36.62	16	$585.92	$0.00	
WILDLIFE BIOLOGIST	Review and Reports	$44.95	24	$1,078.80	$0.00	
	Sub - Totals :		**212**	**$7,725.48**	**$0.00**	
	Totals :			**$7,725.48**	**$0.00**	
	Add Burden Rate :	**8 %**		**$618.04**	**$0.00**	
	Grand Totals :			**$8,343.52**	**$0.00**	

4

4.

bear valley
WATER DISTRICT

AGENDA ITEM

DATE: JUNE 13, 2016

TO: BVWD BOARD OF DIRECTORS

FROM: JEFF GOUVEIA, DISTRICT GENERAL MANAGER

RE: MONTHLY OPERATIONS REPORT

---

1. Collections, Treatment & Disposal Operations - Update
    a. Flows - Influent Flows & Pond Transfers
    a. Volumes - Storage, Capacity & Disposal
2. Permit Compliance & Monitoring & Reporting Programs (MRPs) - Update
    a. WDR MRP - Land Discharge Permit – Compliance & Reporting Update
    b. NPDES MRP – Surface Water Discharge Permit – Compliance & Reporting Update
        i. 2011 Permit - Priority Pollutant Sampling – May
        ii. 2016 Land Disposal Strategy - +/- 55 MG
            1. (2) Diesel Pumps Rented, Diesel Fuel, Electricity Costs
            2. 400 GPM Pumped, Goal = 575,000 gallons/day applied = ~17MG/Month= 3.5 Months
        iii. Stantec Proposal for Effluent Disposal Protocol Revision Services - Discussion
3. USFS Category 6 Major Cost Recovery Agreement - Update
    a. Final Agreement for $8343 - Signed and Submitted June 3
    b. Land Disposal Site Conditions - Site Visit with USFS Timber Sales Manager Dave Vosti
4. Other
    b. Developing Remote Monitoring Solution for Ballast Pond Water Level
    c. Electricity Rate Schedule Review – Anticipating Increased Use
    d. Suspended Solids – Exploring Enhancing Biological Digester with added Bacteria
    e. Sewer System Management Plan (SSMP) – 5 YR Review & Update in Progress
    f. Benefits & Salaries Comparison and Analysis (incl. Budgets & Flows) – Update In Progress
    g. Annual CVCWA Conference – Summary
    h. Migrating Telemetry Communications to Cellular
    i. Exploring Developing a New Position for Collection System Maintenance Supervisor

Board Meeting 6-13-16 Operations Report

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

December 2015	December 2014	December 2013
.930 / 80.2%	1.160 / 158.3%	.733 / 31.0%
January 2016	**January 2015**	**January 2014**
1.388 / 89.5%	1.551 / 211.5%	.733 / 33.7%
February 2016	**February 2015**	**February 2014**
2.518 / 87.9%	2.866 / 331.3%	.865 / 44.6%
March 2016	**March 2015**	**March 2014**
3.685 / 180.2%	2.045 / 236.4%	1.814 / 69.2%
April 2016	**April 2015**	**April 2014**
4.303 / 290.7%	1.480 / 40.8%	3.626 / 141.1%
May 2016	**May 2015**	**May 2014**
3.071 / 376.8%	.815 / 36.3%	2.346 / 148.0%

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

December 2015	December 2014	December 2013
3.185 / 184.6%	1.725 / 383.3%	.450 / 8.7%
January 2016	**January 2015**	**January 2014**
1.003 / 73.9%	1.357 / 237.2%	.572 / 26.3%
February 2016	**February 2015**	**February 2014**
4.200 / 119.7%	3.510 / 893%	.393 / 14.4%
March 2016	**March 2015**	**March 2014**
5.420 / 210.3%	2.577 / 193.6%	1.331 / 35.3%
April 2016	**April 2015**	**April 2014**
4.770 / 238.0%	2.004 / 45.8%	4.380 / 155.5%
May 2016	**May 2015**	**May 2014**
4.013 / 222.6%	1.803 / 91.4%	1.973 / 104.0%

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

2015	2014	2013
24.408 / 112.8%	21.644 / 52.6%	41.118

- **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′
  - Discharge Point (DP) = 7080.4′ = 51.06 MG = 17.4′
    - Reached DP 6/2/16 = 7081.9′ = 57.16 MG = 18.9′
    - Did not reach DP 2015 = N/A
    - Did not reach DP 2014 = N/A
    - Did not reach DP 2013 = N/A
  - Permitted Full Reservoir (2′ Freeboard) = 7086.3′ = 76.45 MG = 100%
    - Highest Level 2015 – 5/21/15 = 7070.1′ = 15.48 MG = 20.2%
    - Highest Level 2014 – 5/8/14 = 7072.3′ = 21.93 MG = 28.7%
    - Highest Level 2013 – 5/16/13 = 7073.5′ = 25.84 MG = 33.8%
    - Highest Level 2012 – 5/10/12 = 7078.6′ = 44.03 MG = 57.6%
    - Highest Level 2011 – 7/10/11 = 7084.47′= 112.42 MG = 106.2% (1974 capacity curve in use until 12/11)
    - Current Storage Volume = 7081.5 = 55.52 MG = 72.6% (6/7/2016)

4.

https://ciwqs.waterboards.ca.gov/ciwqs/reportBuilderSelectReport.jsp?rmID=1486408&facilityID=209035

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Verizon - PW bVwd2112 | The Tahoe Daily Snow: O... | SmartCover® Monitoring... | t4 Underground Sign in | Hourly-Event Stations BL... | HT3 Login Page | National Weather Service ... | Listen Live KQED Public ... | BVWD Admin - jeff, b

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SMR / DMR Reporting

Facility Name: Bear Valley WWTP
Water Board Office: Region 5S - Sacramento
Reporting Level: Level I

Order Number: R5-2001-0208
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: 12/06/2015 and 12/06/2016

Refresh List | Show Calendar Year

Search results:

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

ID	Report Name	Type	Frequency	Reporting Period	Due Date	Status	Date Received	Date Reviewed	Certified Violations
1775083	May 2016	MONRPT	Monthly	05/01/2016 - 05/31/2016	07/01/2016	Future			No
1788097	June 2016	MONRPT	Monthly	06/01/2016 - 06/30/2016	08/01/2016	Future			No
1782001	Q1 2016 (3 times per year)	GR_WATER	Quarterly	04/01/2016 - 07/31/2016	09/01/2016	Future			No
1696743	November 2015	MONRPT	Monthly	11/01/2015 - 11/30/2015	01/01/2016	Submitted	12/16/2015		No
1684094	Q3 2015 (3 times per year)	GR_WATER	Quarterly	10/01/2015 - 12/31/2015	02/01/2016	Submitted	01/28/2016		No
1709928	December 2015	MONRPT	Monthly	12/01/2015 - 12/31/2015	02/01/2016	Submitted	01/11/2016		No
1546669	2015	MONRPT	Annual	01/01/2015 - 12/31/2015	02/01/2016	Submitted	01/25/2016		No
1720469	January 2016	MONRPT	Monthly	01/01/2016 - 01/31/2016	03/01/2016	Submitted	02/23/2016		No
1734544	February 2016	MONRPT	Monthly	02/01/2016 - 02/29/2016	04/01/2016	Submitted	03/28/2016		No
1752119	March 2016	MONRPT	Monthly	03/01/2016 - 03/31/2016	05/01/2016	Submitted	04/26/2016		No
1762000	April 2016	MONRPT	Monthly	04/01/2016 - 04/30/2016	06/01/2016	Submitted	05/24/2016		No

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4.

https://ciwqs.waterboards.ca.gov/ciwqs/reportBuilderSelectReport.jsp?rmID=3810765&facilityID=209035

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CIWQS

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SMR / DMR Reporting

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

Order Number: R5-2011-0053
Case Worker: Mohammad Farhad
All Electronic Date: 07/01/2012

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: 12/06/2015 and 12/06/2016

Refresh List | Show Calendar Year

Export to Excel **Show:** 100

Search results:

Previous 1-11 of 11 Next

ID	Report Name	Type	Frequency	Reporting Period	Due Date	Status	Date Received	Date Reviewed	Certified Violations	Report	Withdrawal
1003886	May 2016	MONNPDES	Monthly	05/01/2016 - 05/31/2016	07/01/2016	Future			No		
1003887	June 2016	MONNPDES	Monthly	06/01/2016 - 06/30/2016	08/01/2016	Future			No		
1003888	July 2016	MONNPDES	Monthly	07/01/2016 - 07/31/2016	09/01/2016	Future			No		
1003889	August 2016	MONNPDES	Monthly	08/01/2016 - 08/31/2016	10/01/2016	Future			No		
1003879	November 2015	MONNPDES	Monthly	11/01/2015 - 11/30/2015	01/01/2016	Submitted	12/16/2015	05/06/2016	No	Download Report	
1003881	2015	MONNPDES	Annual	01/01/2015 - 12/31/2015	02/01/2016	Submitted	01/28/2016	05/06/2016	No	Download Report	
1003880	December 2015	MONNPDES	Monthly	12/01/2015 - 12/31/2015	02/01/2016	Submitted	01/11/2016	05/06/2016	No	Download Report	
1003882	January 2016	MONNPDES	Monthly	01/01/2016 - 01/31/2016	03/01/2016	Submitted	02/23/2016	05/06/2016	No	Download Report	
1003883	February 2016	MONNPDES	Monthly	02/01/2016 - 02/29/2016	04/01/2016	Submitted	03/28/2016	05/06/2016	No	Download Report	
1003884	March 2016	MONNPDES	Monthly	03/01/2016 - 03/31/2016	05/01/2016	Submitted	04/26/2016	05/06/2016	No	Download Report	
1003885	April 2016	MONNPDES	Monthly	04/01/2016 - 04/30/2016	06/01/2016	Submitted	05/24/2016		No	Download Report	

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bear valley
WATER DISTRICT

CAPITAL ASSETS POLICY

Overview

The Bear Valley Water District (the District) will maintain a capital asset management system that will meet external financial reporting requirements and the needs of the District in line with these policies.

Capital Assets are defined as land, improvements to land, easements, buildings, building improvements, vehicles, machinery, equipment, works of art and historical treasures, infrastructure, and all other tangible or intangible assets that are used in operations and that have initial useful lives extending beyond a single reporting period.

Infrastructure Assets are defined as long-lived capital assets that normally are stationary in nature and normally can be preserved for a significantly greater number of years than most capital assets. Examples include roads, bridges, tunnels, drainage systems, water and sewer systems, dams and lighting systems. Buildings that are an ancillary part of a network of infrastructure assets are included.

The District's Capital Assets Policy follows the recommended practices of the accounting standards of GASB 34.

Capitalization

Generally, the capitalization threshold for capital assets will be an original cost of $5,000 or more (recorded as an asset on the balance sheet versus expensing the item). Specific capitalization requirements are described as follows:

a. All land will be capitalized regardless of cost

b. Buildings, land improvements and infrastructure will be recorded if cost exceeds $5,000.

c. All other assets must cost $5,000 or more and have a useful life of three (3) or more years.

d. The capitalization threshold is applied to individual units of capital assets rather than groups. For example, ten desks purchased for $1,000 each will not be capitalized even though the total ($10,000) exceeds the threshold of $5,000.

e. For purposes of capitalization, the threshold will generally not be applied to components of capital assets. For example a keyboard, monitor and central processing unit purchased as components of a computer system will not be evaluated individually against the capitalization threshold. The entire computer system will be treated as a single asset. The capitalization threshold will be applied to a network if all component parts are required to make the asset functional.

f. Repairs to existing capital assets will generally not be subject to capitalization unless the repair extends the standard useful life of the asset

g. Improvements to existing capital assets will be presumed by definition to extend the useful life of the related capital asset and therefore will be subject to capitalization if the cost exceeds $5,000.

Leased Assets

Operating leased assets are usually short term and cancelable at any time. The recording of an operating lease as a fixed asset is not required because the item is not purchased.

However, operating leases will be capitalized if one or more of the following criteria are met and the chance of cancellation is low:

a. Ownership is transferred by the end of the lease term
b. The lease contains a bargain purchase option
c. The lease term is greater than or equal to 75 percent of the asset's service life
d. The present value of the minimum lease payment is greater than or equal to ninety percent (90%) of the fair market value of the asset at the inception of the lease.

Capital lease items are capitalized at the beginning of the lease period regardless of when the title transfers. Capital leases are recorded at net present value of lease payments.

Capital Asset Recording

The District will keep appropriate records in order to monitor and accurately inventory all fixed assets. The District shall maintain an inventory list (including model and serial numbers when appropriate) of all recordable capital assets and shall physically inventory and account for such assets periodically.

Acquisition of Capital Assets

Fixed assets may be acquired through direct purchase, lease-purchase or capital lease, construction, eminent domain, tax foreclosures, donations and gifts.

Measuring the Cost and/Value

Capital assets are recorded at their "historical cost," which is the original cost of the assets. Donations accepted by the District will be valued at the fair market value at the time of donation. Costs include purchase price (less discounts) and any other reasonable and necessary costs incurred to place the asset in its intended location and prepare it for service. Costs could include the following:

- Sales Tax
- Freight Charges
- Legal and title fees
- Closing costs
- Appraisal and negotiation fees
- Surveying fees
- Land preparation costs
- Demolition costs
- Relocation costs
- Architect and accounting fees
- Insurance premiums and interest costs during construction
- Installation costs
- Initial programming/set-up costs (e.g. programmable logic controllers typically need some extensive setup or a new computer system might require expensive initial setup)?

According to GASB 34, an estimate of the original cost is allowable in the absence of historical records. Standard costing is one method of estimating historical cost using a known average installed cost for a like unit at the estimated date of acquisition. When necessary the District will use whichever method gives the most reasonable amount based on available information.

Recording Costs Incurred After Acquisition

Expenditures/expenses for replacing a component part of an asset are not capitalized. However, expenditures/expenses that either enhance a capital asset's functionality (effectiveness or efficiency), or that extend a capital asset's expected useful life are capitalized. For example, periodically slurry sealing the District's parking area would be treated as a repair (the cost would not be capitalized), while an overlay or reconstruction would be capitalized. Also, see Capitalization section, sub-items g) and h) above.

Disposition or Retirement of Capital Assets

Disposition of surplus, damaged or inoperative equipment will be at the discretion of the Board of Directors. The disposition of any Capital Asses and Infrastructure Assets shall be done in accordance with applicable laws and Board Policies for the disposal of surplus property. Appropriate records shall be maintained by the District on all surplus property disposal.

Depreciation

The District will record depreciation expense on all capital assets, except for land. The District will use straight-line depreciation using the end of-year convention. Depreciation will be calculated starting the year after acquisition and will end the year of disposition or after the completion of the estimated useful life of the asset, whichever occurs first. In the event of disposition before the end of the estimated useful life, the remaining un-depreciated value of that asset shall be subject to a one-time write-off in the year of disposition. Otherwise, depreciation will be calculated over the estimated useful life of the asset.

Recommended Lives

The District follows GFOA Recommended Practices when establishing recommended lives for capitalized assets. If the life of a particular asset is estimated to be different than these guidelines, it may be changed. Following is a summary of the estimated useful lives:

Asset Class	Useful Life
Buildings	30 – 50 Years
Building Improvements	20 - Years
Improvements Other than Buildings	35 - Years
Infrastructure	40 – 50 Years
Equipment and Machinery	5 – 20 Years
Intangible Assets	5 – 20 Years

Control of Assets

The District will exercise control over the non-capitalized tangible capital-type items by establishing and maintaining adequate control procedures. The District's capitalization threshold of $5,000 meets financial reporting needs.

Appendix A - Definitions

Capital Expenditure

Capital expenditure means the cost of the asset including the cost to put it in place. Capital expenditure for equipment means the net invoice price of the equipment, including the cost of any initial modifications, attachments, accessories, or auxiliary apparatus necessary to make it useable for the purpose for which it was acquired. It also includes the cost of incoming transportation incurred on shipments from external suppliers.

Equipment

Equipment means an article of non-expendable, tangible, personal property which stands alone, is complete in itself, does not lose its identity, and has a useful life of two or more than years.

Capital Equipment

Those items of equipment which have an acquisition cost of $5,000 or more are capitalized. {Indirect cost is not applied.)

Minor Equipment

Those items of equipment which have an acquisition cost of less than $5,000 or useful life of less than two years are expensed. (Indirect cost is applied).

Component Parts

Enhancement parts with an acquisition cost of at least $2500, which materially and permanently increase the value or useful life of a capital item, will be capitalized and their cost added to the capital cost of the item being enhanced; otherwise, they will be expensed. The purchase order or tag number of the enhanced capital item must be referenced on the requisition and purchase order for the enhancement part(s) in order for the enhancement part(s) to be considered capital.

Enhancement parts with an acquisition cost of at least $2500, which permanently increase the value of an item of minor equipment to $5,000 or greater and are acquired within 120 days of the acquisition date of the item of minor equipment, and which also permanently increases the useful life of the item, will have their cost added to the cost of the item of minor equipment being enhanced and both the enhancement part(s) and the item of minor equipment will be capitalized; otherwise, they will be expensed. The purchase order or the tag number of the enhanced item of minor equipment must be referenced on the requisition and purchase order for the enhancement part(s) in order for the minor equipment item and the enhancement part(s) to be considered capital.

Replacement Parts

Replacement parts required to repair an item of capital or minor equipment and which simply maintain the original function and expected life of the equipment, will be expensed Expenditures needed to maintain equipment in a proper operating condition or to restore equipment to a proper operating condition are expensed.

Fabricated Items

A fabricated item will be capitalized if the cost of the material and labor making up the fabrication is $5,000 or greater, the useful life of the item is two or more years, the item is company-owned or government funded, and the item is identifiable as a discrete item.

Deliverable End Item

This item is defined to include all equipment as well as electrical, electronic, and mechanical components contractor-acquired and/or sponsor-furnished, which are being incorporated into a deliverable end item under the property terms of a contract/agreement, calling specifically to be constructed and delivered to formal addresses included in the contract/agreement. Deliverable end items are expensed.

Software

All standard computer software, including computer operating systems and typical applications such as word processing and spreadsheet applications shall be expensed. However, software that is integral to the installation and operation of new equipment (e.g. SCADA systems), or large industry applications or to perform, for example, inventory/asset tracking shall be capitalized as long as they meet the capitalization threshold described above.

Intangible Assets

Costs associated with securing and/or maintaining and complying with wastewater discharge permits as well as special land use permits, such as studies, engineering fees, compliance projects and permitting fees, which factor in to the aggregate cost of and limited effective life of any particular permit, such as a 5-year NPDES permit, shall be capitalized over the life of the permit.

Examples of intangible assets to be considered depreciable assets with a limited effective life which shall be capitalized over the life of a particular permit include but are not limited to NEPA and other environmental studies, effluent and receiving water toxicity studies, effluent and receiving water priority pollutant testing, dilution and mixing zone studies, salinity studies and Reports of Waste Discharge (ROWD) and other permit renewal fees,

bear valley
WATER DISTRICT

INVESTMENT POLICY

This Investment Policy for the Bear Valley Water ("the District") establishes procedures that are formulated in compliance with governing provisions of law (Government Code Sections 53600 et seq.) for a prudent and systemic investment program in support of the District's overall mission. The District's General Manager shall, if so directed by the Board of Directors, annually prepare or cause to be prepared a statement of investment policy and such policy, and any changes thereto, shall be considered by the Board at a public meeting; (CGC 53646(a)).

This Policy covers all funds and investment activities under the direct authority of the District with the exception of deferred compensation assets.

The District's investment process and Policy is subject to annual review and evaluation at a public forum.

OBJECTIVES

The primary objectives of the District's investment activities shall be, in order of priority:

1. Safety. The safety of principal is the foremost objective of the District's investment program. The District's investments shall be undertaken in a manner that shall preserve the District's capital.

2. Liquidity - The District's secondary objective shall be to meet its liquidity needs. The investment portfolio shall maintain sufficient liquidity to enable the District to meet all operating requirements which might be reasonably anticipated.

3. Yield - Yield shall become a consideration only after the basic requirements of safety and liquidity have been met. The investment portfolio shall be designed with the objective of attaining a market rate of return throughout budgetary and economic cycles, taking into account the investment risk, constraints and the cash flow characteristics of the portfolio.

ETHICS AND CONFLICTS OF INTEREST

Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with the proper execution of the investment program, or which could impair their ability to make impartial investment decisions.

DELEGATION OF AUTHORITY

Authority of the District's Board to delegate the management of the District's investment program is derived from California Government Code Sections 53600, et seq which states:

"The authority of the legislative body to invest or to reinvest funds of a local agency, or to sell or exchange securities so purchased, may be delegated for a one-year period by the legislative body to the treasurer of the local agency, who shall thereafter assume full responsibility for those transactions until the delegation of authority is revoked or expires, and shall make a

monthly report of those transactions to the legislative body. Subject to review, the legislative body may renew the delegation of authority pursuant to this section each year."

Management responsibility for the investment program is hereby delegated by the Board to the General Manager, for a period of one-year, who shall thereafter assume full responsibility for those transactions until the delegation of authority is revoked. Subject to review, the Board may renew the delegation of authority each year. The General Manager may delegate the day-to-day operations of investing to his/her designee(s) but not the responsibility for the overall investment program. The General Manager and/or his/her designee(s) shall make all investment decisions and transactions in strict accordance with state law and with this Policy.

If authorized by the Board, the General Manager and/or his/her designee(s) may utilize an external investment advisor to assist with investment decision-making and trade execution authority. The investment advisor shall be under the supervision of the General Manager and/or his/her designee(s) and shall follow this Policy and such other written instructions as are provided.

The General Manager, his/her designee(s) and/or the designated investment officers, acting in accordance with written procedures and policies and exercising due diligence, shall be relieved of personal responsibility for an individual security's credit risk or market price changes, provided deviations from expectations are reported in a timely fashion and appropriate action is taken to control adverse developments.

INTERNAL CONTROLS

The General Manager and/or his/her designee(s) shall establish a system of written internal controls to regulate the District's investment activities, including the activities of any subordinate officials acting on behalf of the District. Procedures should include references to individuals authorized to execute transactions or transfers, safekeeping agreements, repurchase agreements, wire transfer agreements, collateral/depository agreements and banking services contracts, as appropriate. As part of the annual financial audit, the District's external auditor will perform a review of investment transactions to verify compliance with policies and procedures.

AUTHORTIZED FINANCIAL INSTITUTIONS AND DEALERS

It shall be the District's policy to purchase securities only from authorized institutions and firms. The General Manager and/or his/her designee(s) shall maintain a list of authorized broker/dealers and financial institutions that are approved for investment purposes. The District shall use at least one authorized broker/dealer to advise the District on investments.

No deposit of public funds shall be made except in a qualified public depository as established by state laws. If an external investment advisor is authorized to conduct investment transactions on the District's behalf, the investment advisor may use its own list of approved broker/dealers and financial institutions for investment purposes consistent with the District's policies and existing laws.

For broker/dealers of government securities and other investments, the District shall select only broker/dealers who are licensed and in good standing with the California Department

of Securities, the Securities and Exchange Commission, the Financial Industry Regulatory Authority or other applicable self-regulatory organizations.

Before engaging in investment transactions with a broker/dealer, the General Manager and/or his/her designee(s) shall have received from said firm a signed Certification Form. This form shall attest that the individual responsible for the District's account has reviewed the District's Investment Policy and that the firm understands the policy and intends to present investment recommendations and transactions to the District that are appropriate under the terms and conditions of this Investment Policy.

AUTHORIZED AND SUITABLE INVESTMENTS

The type, quality and percent composition within the portfolio shall be in full compliance with Government Code Section 53601 et seq., as amended by periodic action of the State Legislature. All investment types and the limitations under this policy are listed Appendix A. In the event a security held by the District is subject to a rating change that brings it below the minimum credit ratings specified in this policy, the General Manager and/or his/her designee(s) shall notify the Board of the change.

SAFEKEEPING AND CUSTODY

All deliverable security transactions entered into by the District shall be conducted on a delivery-versus-payment (DVP) basis. To protect against potential losses by collapse of individual securities dealers, and to enhance access to securities, interest payments and maturity proceeds, all securities owned by the District shall be held in safekeeping by a third party bank trust department, acting as agent for the District under the terms of a custody agreement executed by the bank and by the District. The only exception to the foregoing shall be depository accounts and securities purchases made with: (i) LAIF and government investment pools and, (ii) money market funds, since the purchased investments are not deliverable. Evidence of each these investments will be held by the District.

MAXIMUM MATURITIES

The General Manager and/or his/her designee(s) shall maintain a system to monitor and forecast revenues and expenditures so that funds can be invested to the fullest extent possible. Maturities of investments will be selected to provide necessary liquidity, manage interest rate risk, and optimize earnings. Because of inherent difficulties in accurately forecasting cash flow requirements, a portion of the portfolio should be continuously invested in readily available funds.

REPORTING AND REVIEW

The General Manager and/or his/her designee(s) shall maintain a complete and timely record of all investments and transactions. The General Manager and/or his/her designee(s) shall submit a monthly investment report to the District.

bear valley
WATER DISTRICT

APPENDIX A - INVESTMENT GUIDELINES

	INSTRUMENT	OVERNIGHT	180 DAYS	270 DAYS	1 YEAR	5 YEARS	BEYOND 5 YEARS
Conventional Fixed-Income	U.S. Treasuries	Permitted					Board Approval Required
	Federal Agencies	Permitted					Board Approval Required
	Municipal Securities	Permitted					Board Approval Required
	Negotiable Certificates of Deposit	Permitted					Board Approval Required
	Local Government Investment Pools (LAIF, CalTrust)	Permitted					Board Approval Required
	Bankers' Acceptances	Permitted		Prohibited			
	Medium-Term Corporate Bonds ("A" or better)	Permitted					Prohibited
	Asset-Backed Securities (ABS)	Permitted					Prohibited
	Repurchase Agreements	Permitted				Prohibited	
	Money Market Funds		Prohibited				
Broader Fixed-Income	Foreign Soverign/Supranationals	Prohibited					
	Commercial MBS	Prohibited					
	High-Yield	Prohibited					
	Private Placements	Prohibited					
	Convertibles	Prohibited					
	Non-U.S. Dollar Investment Grade	Prohibited					
	Emerging Markets Debt	Prohibited					
Equities	Domestic Small/Mid Cap	Prohibited					
	Domestic Large Cap	Prohibited					
	Domestic Value/Growth	Prohibited					
	International Small/Mid Cap	Prohibited					
	International Large Cap	Prohibited					
	Emerging Markets	Prohibited					
Alternatives	Commodities	Prohibited					
	Real Estate	Prohibited					
	Hedge Funds	Prohibited					
	Private Equity	Prohibited					
	Venture Capital	Prohibited					
	Tangible Assets	Prohibited					

Source: California Government Code §53600 et seq.

June 2016

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BEAR VALLEY WATER DISTRICT
Performance vs. Budget
July-May 2015 Compared to July-May 2016

Revenue Target =100%

Expense Target =92%

		Prior Year 7/1-05/31/2015	FY14% Budget	Current Year 7/1-05/31/2016	FY15/16 Budget	FY15/16% Budget	Variance Explanation
	OPERATING REVENUES						
1	Wastewater Residential	586,020	99%	590,770	592,104	100%	
2	Wastewater Commercial	144,389	115%	151,813	152,712	99%	
3	Connection Fees	0	UBD	0	0	UBD	
4	Inspection Fees	200	UBD	0	0	UBD	
5	TOTAL SERVICE CHARGES	730,609	102%	742,583	744,816	100%	
6	TOTAL OPERATING REVENUE	730,609	102%	742,583	744,816	100%	
	OPERATING EXPENSES						
7	Salaries & Benefits	203,468	84%	229,352	270,147	85%	
8	A&G Director Expenses	3,739	62%	2,198	6,000	37%	
9	Operator Training & Certs	1,468	147%	909	1,000	91%	
10	Gas, Diesel, Oil & Filters	2,174	55%	1,795	5,780	31%	
11	Licenses, Fees, & Registration	82	21%	143	500	29%	
12	Insurance	20,919	91%	21,248	23,045	92%	
13	Memberships & Conferences	4,617	112%	4,272	4,403	97%	
14	Office Expenses & Supplies	14,544	145%	10,716	13,000	82%	
15	Field Expenses & Supplies	13,689	105%	17,197	13,000	132%	Unanticipated Equipment Needs
16	Groom Snow Removal/Storage	1,390	52%	2,360	2,850	83%	
17	Engineering & Consulting	15,619	104%	13,406	15,000	89%	
18	Legal & Accounting	10,631	71%	9,537	15,000	64%	
19	Rental Equipment	0	0%	350	3,000	12%	
20	Repairs & Maintenance	74,725	99%	82,550	75,550	109%	Unanticipated Repairs
21	Laboratory Fees	15,784	79%	20,552	31,000	66%	
22	Utilities	34,754	64%	42,294	54,928	77%	
23	Regulatory Reporting	13,900	28%	17,436	58,300	30%	
24	TOTAL OPERATING EXPENSES	431,503	80%	476,313	592,503	80%	
25	Depreciation	98,428	92%	88,147	115,000	77%	
26	TOTAL EXPENSES INC DEP	529,931	82%	564,460	707,503	80%	
27	OPERATING PROFIT & LOSS	200,678		178,208	37,313		Anticipate OP P&L Above Budget

BEAR VALLEY WATER DISTRICT
Performance vs. Budget
July-May 2015 Compared to July-May 2016

Revenue Target =100%

Expense Target =92%

		Prior Year 7/1-05/31/2015	FY14% Budget	Current Year 7/1-05/31/2016	FY15/16 Budget	FY15/16% Budget	Variance Explanation
	OTHER INCOME						
28	Interest on LAIF DEPOSITS	592	95%	570	600	95%	
29	Penalties and Interest	5,904	74%	12,165	4,000	304%	LA Resort & Ski Resort Late Fees/Int.
30	Expense Reim - USFS Campground	4,861	217%	1,895	1,895	100%	
31	Meter Installation USFS -Reimburseme	20,478	UBD	0	0	UBD	
32	Expense Reim - LA Campground	6,566	90%	3,285	3,285	100%	
33	Misc Other Income	4,105	UBD	5,815	0	UBD	Ins. Reim Phase Converter+Bank Fees
34	Connection Fees	-78,033	UBD				
35	TOTAL OTHER INCOME	-35,527	-196%	23,731	9,780	243%	
	OTHER EXPENSES						
36	Bad Debt Expense	0	UBD	0	4,200	0%	
37	Interest Expense	20,989	92%	19,825	21,604	92%	
38	Other Expense	12,469	UBD	10	0	UBD	
39	Taxes & Assessments	28,689	96%	28,234	30,000	94%	
40	Insurance Reimburse Expense	2,719	UBD	0	0	UBD	
41	Engineering-Connection Fee	5,781	58%	0	0	UBD%	
42	Election Expenses/Director Train	0	UBD	0	5,500	0%	
43	Municipal Code Prep-Ord./Res.	3,122	62%	945	2,500	38%	
44	Legal Connection Fees	2,165	UBD	0	0	UBD	
45	TOTAL OTHER EXPENSES	75,934	111%	49,014	63,804	77%	
46	NET OTHER INCOME BEFORE CONTIN(	-111,461	222%	-25,283	-54,024	47%	
47	Compliance Contingency	9,072	4%	38,973	35,000	111%	MZ Study - No Further Exp. Anticipated
48	NET INCOME	80,145		113,867	-16,711		Anticipate YE Ahead of Budget
49	Capital Projects/Improvements	134,473	101%	66,742	84,300	79%	On Track To End Year Under Budget

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BVWD
Balance Sheet Prev Year Comparison
As of May 31, 2016

	May 31, 16	May 31, 15	$ Change	% Change
ASSETS				
Current Assets				
Checking/Savings				
11015 · F&M Bank	425,058.44	363,623.06	61,435.38	16.9%
11018 · LAIF	296,743.47	296,021.32	722.15	0.24%
11020 · Petty Cash	50.00	50.00		
11025 · Capital Facilities Fund	21,656.00	21,656.00		
Total Checking/Savings	743,507.91	681,350.38	62,157.53	9.12%
Accounts Receivable				
11050 · Accounts Receivable	-1,280.68	1,122.34	-2,403.02	-214.11%
Total Accounts Receivable	-1,280.68	1,122.34	-2,403.02	-214.11%
Other Current Assets				
11055 · Accounts Receivable-Tax Roll	7,502.45	10,001.75	-2,499.30	-24.99%
11140 · Prepaid Insurance	1,916.12	1,477.16	438.96	29.72%
Total Other Current Assets	9,418.57	11,478.91	-2,060.34	-17.95%
Total Current Assets	751,645.80	693,951.63	57,694.17	8.31%
Fixed Assets				
12010 · Land	25,805.16	25,805.16		
12020 · SbSrfLine	1,196,893.29	1,196,893.29		
12040 · Col Facilities	350,514.48	350,514.48		
12041 · LA Facilities	159,537.86	159,537.86		
12050 · TRT Facilities	1,003,576.94	951,228.98	52,347.96	5.5%
12060 · DSP Facilities	1,168,559.22	1,164,344.90	4,214.32	0.36%
12080 · P & A (Plant & Admin)Facilities	340,264.59	338,709.59	1,555.00	0.46%
12100 · Accumulated Depreciation	-2,364,641.63	-2,261,704.00	-102,937.63	-4.55%
14030 · Work in Progress				
14030.3 · W.I.P. - Irrigation Pump Projec	3,308.65	7,228.72	-3,920.07	-54.23%
14030.5 · WIP - Dechlorination System Des		503.75	-503.75	-100.0%
14030.6 · Treatment Pond Dock	10,582.36		10,582.36	100.0%
14030.7 · W. I. P. - Gardner Blower		41,436.94	-41,436.94	-100.0%
14030.8 · SCATA Monitoring Alarm System	61,385.47	8,752.62	52,632.85	601.34%
14030.9 · W.I.P.-SMARTCOVER Monitor/Alarm	10,235.68	10,235.68		
Total 14030 · Work in Progress	85,512.16	68,157.71	17,354.45	25.46%
14030.4 · W.I.P.-Phase Converter L.A.	6,890.93		6,890.93	100.0%
15000 · Chlorine Contact Tank Project	108,144.84	108,144.84		
Total Fixed Assets	2,081,057.84	2,101,632.81	-20,574.97	-0.98%
TOTAL ASSETS	**2,832,703.64**	**2,795,584.44**	**37,119.20**	**1.33%**
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Accounts Payable				
21021 · Accounts Payable	5,355.34	6,862.91	-1,507.57	-21.97%
Total Accounts Payable	5,355.34	6,862.91	-1,507.57	-21.97%
Other Current Liabilities				

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BVWD
Balance Sheet Prev Year Comparison
As of May 31, 2016

	May 31, 16	May 31, 15	$ Change	% Change
21090 · Payroll Liabilities	15,899.83	12,758.88	3,140.95	24.62%
2110 · Direct Deposit Liabilities	3.53	0.43	3.10	720.93%
22021 · Accrued Vacation	11,134.51	9,008.88	2,125.63	23.6%
Total Other Current Liabilities	27,037.87	21,768.19	5,269.68	24.21%
Total Current Liabilities	32,393.21	28,631.10	3,762.11	13.14%
Long Term Liabilities				
26025 · F&M Bank Loan	532,320.73	566,942.54	-34,621.81	-6.11%
Total Long Term Liabilities	532,320.73	566,942.54	-34,621.81	-6.11%
Total Liabilities	564,713.94	595,573.64	-30,859.70	-5.18%
Equity				
25000 · Open Bal Equity	71,081.93	71,081.93		
29000 · Retained Earnings	2,083,041.06	2,048,782.95	34,258.11	1.67%
Net Income	113,866.71	80,145.92	33,720.79	42.07%
Total Equity	2,267,989.70	2,200,010.80	67,978.90	3.09%
TOTAL LIABILITIES & EQUITY	2,832,703.64	2,795,584.44	37,119.20	1.33%

6.2

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04/28/16

BVWD
A/P Aging Summary
As of March 31, 2016

Prepaids March 2016	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Advanced Automotive	227					227	Repair Chevy Pickup
Alpine County Recorders Office	12					12	Recording Fee Release of Lien
Alpine County Recorders Office	14					14	Recording Fee for Lien
A.T.&T.	66					66	Telephone
A.T.&T.	61					61	Telephone
A.T.&T.	180					180	Telephone
A.T.&T.	50					50	U-Verse Main Office
A.T.&T.	274					274	Telephone Main Office
Card Services	292					292	Office & Field Supplies
Capital Bank & Trust	528					528	Simple IRA
E.D.D.	251					251	State PR Taxes
E.D.D.	251					251	State PR Taxes
F & M Bank of Lodi	4,695					4,695	Principal & Interest
I.R.S.	1,374					1,374	Federal PR Taxes
I.R.S.	1,374					1,374	Federal PR Taxes
Jeff Gouveia	77					77	Mileage Reimbursement
Jeff Gouveia	108					108	Mileage Reimbursement
Lake Alpine Water Co.	132					132	Water for Main Office
P.G.&E.	1,836					1,836	Electricity
SDRMA	1,614					1,614	Employee Health Insurance
SDRMA	344					344	Employee Dental, Health, Vision
State Waater Resources Control Bd.	170					170	Certification for Jeff Gouveia
TMBC, LLC (Bass Pro Shop)	3,447					3,447	ATV Repairs
Terry Woodrow	10					10	Notary Fee
TOTAL	17,384					17,384	

Accounts Payable March 2016	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpha Analytical Laboratories Inc.	113.00	782.00				895.00	Laboratory Fees
Alpine County Public Works	61.20	8.00				69.20	Fuel
Arnold Auto Supply Inc.		5.36				5.36	Parts
Balance Hydrologics, Inc		3,144.55				3,144.55	Streamflow & WY15 Raiting Curve
Bear Valley Cross Country, Inc		100.00				100.00	Snow Park Permit
Borges & Mahoney Co.		1,525.00				1,525.00	Calibrate Residual Analyzer
Card Services		1,262.75				1,262.75	Office & Field Supplies
CHEQ Processing	39.75					39.75	Simply Deposit Fees
CVCWA	110.00					110.00	Membership Fees
Ebbetts Pass Lumber Co. Inc.		77.57				77.57	Supplies
Gateway Press Inc.		501.98				501.98	Envelopes for A/R Billing

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04/28/16

BVWD
A/P Aging Summary
As of March 31, 2016

Accounts Payable March 2016	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Hopkins Technical Products, Inc.		84.25				84.25	Inline Check Valve
Jeff Gouveia		46.50				46.50	Reimbursement for Coffee
Lou's Gloves, Inc.	154.00					154.00	Gloves for Field
Neumiller and Beardslee		1,102.45				1,102.45	Legal
Sierra Chemical Co. Inc.		105.93				105.93	Chlorine
Stantec Consulting Services Inc.		1,327.11				1,327.11	Mixing Zone Study & Permit Renewal Consult
Weber Ghio and Associates, Inc	749.50					749.50	Engineering
TOTAL	1,227.45	10,073.45				11,300.90	

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BVWD
A/P Aging Summary
As of April 30, 2016

Prepaids April 2016	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpine County Tax Collector	463					463	Property Taxes
A.T.&T.	50					50	U-Verse for Main Office
A.T.&T.	66					66	U-Verse for Lake Alpine Basin
A.T.&T.	61					61	U-Verse for Equipment House
A.T.&T.	179					179	Telephone Lake Alpine Boat Ramp
A.T.&T.	276					276	Telephone Main Office
Capital Bank & Trust	633					633	Simple IRA
Card Services	1,263					1,263	Office & Field Supplies
Cheq Processing	40					40	Simply Deposit
Daralyn Durie	2,881					2,881	A/R Refund
E.D.D.	168					168	State Payroll Taxes
E.D.D.	185					185	State Payroll Taxes
F & M Bank	4,695					4,695	Principal & Interest on Loan
Guy West	107					107	Mileage Reimbursement
I.R.S.	1,430					1,430	Federal Payroll Taxes
I.R.S.	1,198					1,198	Federal Payroll Taxes
Jeff Gouveia	51					51	Mileage Reimbursement
Lake Alpine Water Company	152					152	Water for Main Office
P.G. & E.	1,832					1,832	Elecrticity
Precision Coachwork	300					300	Reupholstery Dodge P. U. Seat
SDRMA	344					344	Dental, Vision, Life Insurance
SDRMA	1,614					1,614	Health Insurnace
State Water Resources Control Bd.	170					170	Grade I Certification - Robin Murphy
Terry Woodrow	10					10	Notary Fee
Terry Woodrow	10					10	Notary Fee
Wiley Computer Works	525					525	IT Consulting
TOTAL	18,701					18,701	

Accounts Payable April 2016	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpha Analytical Laboratories Inc.		850.00				850	Laboratory Fees
CHEQ Processing	87					87	Simply Deposit Fees
Clay Eastman Snow Removal		395.00				395	Snow Removal
Columbia Communications Inc.		39.00				39	Pager for Field Staff
Jim Bissell		100.00				100	Director Fees for April 11th Regular Board Meeting
John Boyle		100.00				100	Director Fees for April 11th Regular Board Meeting
Ken Brown		100.00				100	Director Fees for April 11th Regular Board Meeting
Telstar Instruments Inc.		647.75				648	Check Valv Seat, Bolt Assy
TOTAL	87	2,231.75				2,319	

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BVWD
A/P Aging Summary
As of May 31, 2016

Prepaids for May 2016	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpine County Recorders Office	14					14	Lien Recording Fees
A.T.&T.	297					297	Telephone for Main Office
A.T.&T.	187					187	Telephone for Lake Alpine Boat Ramp
A.T.&T.	50					50	U-Verse
A.T.&T.	61					61	U-Verse for Equipment House
Capital Bank & Trust	514					514	Simple IRA
E.D.D.	193					193	State Payroll Taxes
E.D.D.	291					291	State Payroll Taxes
F&M Bank of Lodi	4,695					4,695	Principal & Interest on Loan
Card Services	3,178					3,178	Office, Field Supplies
Cheq Processing	87					87	Cheq Processing/Simply Deposit
I.R.S.	1,320					1,320	Federal Payroll Taxes
I.R.S.	1,478					1,478	Federal Payroll Taxes
Jeff Gouveia	77					77	Mileage Reimbursement
Jim's Asphalt Maintenance	65					65	Repair Hole in Walkway at Main Office
Lake Alpine Water Company	145					145	Water for Main Office
P.G.&E.	2,663					2,663	Electricity
P.G.&E.	590					590	Duplicate Billing/To Be Reimbursed
Petty Cash	35					35	Replenish Petty Cash Box
SDRMA	1,614					1,614	Employee Health Benefits
SDRMA	344					344	Employee Dental, Vision, Life Insurance
Steve Mikesell	280					280	Winter Storage - Ford Pickup Truck
TOTAL	18,177					18,177	

Accounts Payable for May 2016	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpha Analytical Laboratories Inc.		869.00				869	Laboratory Fees
Alpine County Public Works		20.57				21	Fuel
AT&T Business Service 2		-154.68				-155	Credit for Returned Modem
California Water Environment Association	164					164	Membership Fee Steve Mikesell
Ebbetts Pass Lumber Co. Inc.		76.28				76	Field Supplies

6.2

BVWD
A/P Aging Summary
As of May 31, 2016

	Accounts Payable for May 2016	Current		1 - 30	31 - 60		61 - 90		> 90		TOTAL	Description
	FedEx			27.23							27	Freight
	Guy West			500.00							500	Winter Storage of Vehicles Chevy & Dodge Pickups
	Headsets.com			106.43							106	Lifter for Phone Unit
	Jeff Gouveia			46.50							47	Reimbursement for Coffee
	Stantec Consulting Services Inc.			3,212.00							3,212	Mixing Zone Study & Permit Consulting
	Verizon			38.01							38	Router Fee
	Weber Ghio and Associates, Inc			450.00							450	Engineering Fees
TOTAL		164		5,191.34							5,355	

6.3

BVWD
A/R Aging Summary
As of June 10, 2016

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
BV178					2,648.56	2,648.56
TOTAL		**331.03**	**-517.96**	**19,221.79**	**-24,079.36**	**-5,044.50**
TOTAL CREDITS		-432.21	-3,399.10	-324.45	-33,884.82	-38040.58
TOTAL DEBITS		763.24	2,881.14	19,546.24	9,805.46	32996.08
TOTAL		**331.03**	**-517.96**	**19,221.79**	**-24,079.36**	**-5044.5**

6.3

BVWD
A/R Aging Summary
As of June 10, 2016

	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL
CM180					20.00	20.00
OS305		27.11				27.11
BV362		27.11				27.11
BV007					27.11	27.11
CS001		27.11				27.11
OS106					28.80	28.80
CS093				41.72		41.72
BV345				169.15		169.15
LA018		17.75		271.11	-93.54	195.32
TM005				244.00		244.00
TM001				271.11	-0.09	271.02
OS308				271.11	-0.04	271.07
TM002				271.11		271.11
BV314-Boyle				271.11		271.11
CS122				271.11		271.11
CS087					271.11	271.11
BV307				271.11	1.87	272.98
BV208		27.11		271.11		298.22
BV214		27.11		271.11		298.22
BV236		27.11		271.11		298.22
BV257		27.11		271.11		298.22
BV078		27.11		271.11		298.22
BV075		27.11		271.11		298.22
CS110		27.11		271.11		298.22
CS107		27.11		271.11		298.22
BV031		27.11		271.11		298.22
CS036		27.11		271.11		298.22
BV394		27.11		271.11	0.61	298.83
OS114		29.29		271.11		300.40
BV298		27.11		271.11	3.07	301.29
BV048		27.11		271.11	27.11	325.33
BV137		27.11		271.11	31.99	330.21
BV393				271.11	59.47	330.58
BV008		27.11		271.11	33.27	331.49
CS092		27.11		271.11	44.44	342.66
SM309					377.95	377.95
BV179				271.11	124.00	395.11
CS056		27.11		271.11	298.22	596.44
BV262		41.11		271.11	327.30	639.52
BV083				271.11	692.35	963.46
BV258				271.11	900.72	1,171.83
CS105		27.11		271.11	942.79	1,241.01
CS006		27.11		271.11	946.92	1,245.14
BV373		27.11		271.11	960.63	1,258.85
TM009		27.11		271.11	997.29	1,295.51