

# AGENDA

REGULAR MEETING OF THE BOARD OF COMMISSIONERS  
VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY (VWRA)  
Victorville City Hall – Conference Room “D”, 14343 Civic Drive, Victorville, CA  
92392  
Phone: (760) 246-8638

**MEETING DATE: Thursday, May 17, 2018**      **TIME: 8:00 AM (Closed Session)**  
**8:30 AM (Regular Session)**

**CALL TO ORDER**

**PUBLIC COMMENTS – CLOSED SESSION AGENDA**

## **CLOSED SESSION**

**CLOSED SESSION:** During the course of conducting the business set forth on this agenda as a regular meeting of the Board, the Chair may convene the Board in closed session to consider matters of pending real estate negotiations, pending or potential litigation, or personnel matters, pursuant to Government Code Sections 54956.8, 54956.9, 54957 or 54957.6, as noted. Reports relating to (a) purchase and sale of real property; (b) matters of pending or potential litigation; or (c) employment actions, or which are exempt from public disclosure under the California Public Records Act, may be reviewed by the Board during a permitted closed session and are not available for public inspection. At such time the Board takes final action on any of these subjects, the minutes will reflect all required disclosures of information.

***CONFERENCE WITH LEGAL COUNSEL- (Gov. Code Sec. 54954.5-54956.9(d)):***

- 1. Flow Diversion**
- 2. Potential Litigation-Claim against City of Hesperia- Tolling Agreement**

***CONFERENCE WITH LEGAL COUNSEL-POTENTIAL LITIGATION (Gov. Code Sec. 54956.9(d)):***

- 3. Threatened or Pending Litigation- Upper Narrows Project**

***CONFERENCE WITH LEGAL COUNSEL-POTENTIAL LITIGATION (Gov. Code Sec. 54956.9(1)(D)):***

- 4. Potential Litigation- Angela Valles, Government Tort Claim**

## **REGULAR SESSION**

**CALL TO ORDER & PLEDGE OF ALLEGIANCE**

**REPORT FROM CLOSED SESSION**

**PUBLIC COMMENTS – REGULAR SESSION AGENDA**

**ANNOUNCEMENTS AND CORRESPONDENCE:**

- 5. Possible conflict of interest issues**
- 6. Article: DNA From Ancient Latrines Reveal What People Ate Centuries Ago**
- 7. Understanding Wastewater Treatment Performance on Advanced Water Treatment Processes and Finished Water Quality**
- 8. Letter- VVWRA National Pollutant Discharge Elimination System (NPDES) Permit Renewal**

**CONSENT CALENDAR:**

- 9. Approve March & April 2018 Disbursement Registers**
- 10. Approve Minutes from the March 15, 2018 Regular Meeting**
- 11. Recommendation to Ratify Low Voltage Power Emergency Purchases**

**REPORTS & PRESENTATIONS:**

- 12. Presentation: FY 2018-2019 Budget**

**ACTION & DISCUSSION ITEMS:**

- 13. Recommendation to Request Additional Funding For the Professional Services of Dr. Almgren to Perform an Analysis of the Financial Impact of Flow Diversion**
- 14. Initiation of Litigation against City of Hesperia—Tolling Agreement**

**STAFF/PROFESSIONAL SERVICES REPORTS:**

- 15. Financial and Investment Report – April 2018**
- 16. Operations & Maintenance Report – April 2018**
- 17. Environmental Compliance Department Reports – April 2018**
- 18. Septage Receiving Facility Reports – April 2018**

**19. Safety & Communications Report – April 2018**

**NEXT VVWRA BOARD MEETING:**

**Thursday, June 21, 2018– Regular Meeting of the Board of Commissioners**

**FUTURE AGENDA ITEMS**

**Leave Policy**

**COMMISSIONER COMMENTS**

**ADJOURNMENT**

## VVWRA Regular Meeting Agenda

Thursday, May 17, 2018

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Agenda Posting: In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Authority's Administrative offices not less than 72 hours prior to the meeting date and time above. All written materials relating to each agenda item are available for public inspection in the office of the Board Secretary.

Items Not Posted: In the event any matter not listed on this agenda is proposed to be submitted to the Board for discussion and/or action, it will be done in compliance with Section 54954.2(b) as an emergency item or because there is a need to take immediate action, which came to the attention of the Board subsequent to the posting of the agenda, or as set forth on a supplemental agenda posted in the manner as above, not less than 72 hours prior to the meeting date.

Public Comments: Any member of the public may address the Board of Commissioners on specific agenda items or matters of general interest. As determined by the Chair, speakers may be deferred until the specific item is taken for discussion and remarks may be limited to five minutes. Persons desiring to submit paperwork to the Board of Commissioners shall provide a copy of any paperwork to the Board Secretary for the official record.

Matters of Interest addressed by a member of the public and not listed on this agenda cannot have action taken by the Board of Commissioners except as authorized by Section 54954.2(b). If you wish to speak, please complete a Speaker's Form (located at the table in the lobby outside of the Board Room) and give it to the Board Secretary prior to the start of the meeting.

If any individual wishes to challenge an action of the Commission in court, he or she may be limited to raising those issues that were raised at the public hearing pertaining to the Commission's actions, or in any written correspondence delivered to the Commission on or prior to the public hearing.

Consent Calendar: All matters placed on the Consent Calendar are considered as not requiring discussion or further explanation and unless any particular item is requested to be removed from the Consent Calendar by a Commissioner, staff member or member of the public in attendance, there will be no separate discussion of these items. All items on the Consent Calendar will be enacted by one action approving all motions, and casting a unanimous ballot for resolutions included on the consent calendar. All items removed from the Consent Calendar shall be considered in the regular order of business.

The Chair will determine if any items are to be deleted from the Consent Calendar.

Items Continued: Items may be continued from this meeting without further notice to a Committee or Board meeting held within five (5) days of this meeting per Government Code Section 54954.2(b)(3).

Meeting Adjournment: This meeting may be adjourned to a later time and items of business from this agenda may be considered at the later meeting by Order of Adjournment and Notice in accordance with Government Code Section 54955 (posted within 24 hours).

Accommodations for the Disabled: In compliance with the Americans with Disabilities Act (ADA), the Board of Commissioners Meeting Room is wheelchair accessible. If you require any special disability related accommodations, please contact the Victor Valley Wastewater Reclamation Authority Board Secretary's office at 760-246-2892 at least 72 hours prior to the scheduled meeting. Requests must specify the nature of the disability and the type of accommodation requested.

Smithsonian.com

SmartNews Keeping you current

## DNA From Ancient Latrines Reveal What People Ate Centuries Ago

By digging in ancient toilets, researchers uncovered genetic material that tells of past diets and diseases



Mid 15th-century diners sit down to an elaborate meal in this illustration from an anonymous artist. (Wikimedia commons)

By [Marissa Fessenden](#)  
smithsonian.com  
May 3, 2018

There's treasure to be found in mining excrement. At least, it's treasure to scientists studying the diets, habits and health of people who lived centuries ago.

In a new study, Danish researchers dug up old latrines and sequenced the DNA they found in the ancient poop. The results paint a picture of diets and parasites spanning times and places that range from an ancient fort Qala'at al-Bahrain, near the capital Bahrain in 500 B.C.E. to the river-ringed city of Zwolle in the Netherlands in 1850. The researchers [published their results](#) in the journal *PLOS One*.

The team collected samples of old latrines and soil deposits at eight different archeological sites. They screened the samples for the eggs of parasites, which can last for centuries, and analyzed the DNA in each sample to determine species. They also gleaned the DNA of plants and animals from the samples to determine what people ate.

In some ways, the team found that life centuries ago was unhygienic as might be imagined. Most people probably dealt with intestinal parasites at least once in their life, veterinary scientist and paper co-author Martin S e, with the University of Copenhagen, [tells Angus Chen at NPR](#). "I think it's fair to say it was very, very common," he says. "In places with low hygienic standards, you still have a lot of whipworm and round worm."

S e explains that the types of parasites they found could also give insight into the animals people consumed. Parasites that live in fish and pigs but that can also infect humans were a common find, indicating that undercooked or raw pork and fish was a diet staple.

The analysis also identified a handful of parasites that only infect humans such as the giant roundworm (*Ascaris lumbricoides*) and the whipworm (*Trichuris trichiura*).

By sequencing the mitochondrial DNA of the parasite eggs, the researchers found that Northern European whipworms from 1000 C.E. to 1700 C.E. were more closely related to worms found in present-day Uganda than to those in present-day China. Findings like this offer "hints about ancient patterns of travel and trade," [writes Charles Choi for a blog post at Discover magazine](#).

Researchers also found parasites that don't infect human but are more commonly found in sheep, horses, dogs, pigs and rats. This suggests the critters all likely lived near the latrines, leading people to dispose of the animal waste in the ancient toilets, S e tells Choi.

The menagerie of ancient DNA helps paint a picture of life at some of the sites. For example, samples from Gammel Strand—a site in Copenhagen's old harbor—include DNA from herring and cod, horses, cats and rats. The harbor was "[i]kely a very dirty place by our standards, with a lot of activity from humans and animals," S e says.

The findings also reveal information about ancient diets. DNA in Danish samples shows that the people probably ate fin whales, roe deer and hares, [writes Sarah Sloat for Inverse](#). The study also delves into the analysis of plant DNA, which included cherries, pears, cabbages, buckwheat and other edible plants. The ancient Danes' waste had an abundance of DNA from hops, showing the people's fondness for beer, whereas the samples from the Netherlands showed people there had a preference for wine.

This isn't the first time that scientists have looked to unappetizing leavings to learn more about the past. Researchers have traced the path of explorers Meriwether Lewis and William Clark by looking for traces of mercury in the soil. The metallic element was in pills the men took to treat constipation and [its presence indicates where the expedition dug latrines and camped](#). And parasites in a castle latrine in Cyprus [attest to the poor health endured by crusaders](#). But the DNA analysis of the new study offers a uniquely detailed picture of the past.

Together, the new findings offer intriguing hints about ancient life. Following up on some of these leads could lead future researchers to tell us more about ancient people's health and the migrations of our ancestors. As [Maanasa Raghavan](#), a zoologist at Cambridge University who wasn't part of the new study, tells *NPR*: "Having these datasets will help us look further at how these pathogens evolved over time or how people moved around."

About Marissa Fessenden

Marissa Fessenden is a freelance science writer and artist who appreciates small things and wide open spaces.

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## VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY

### MEMORANDUM

**DATE:** 17 May 2018

**TO:** Board of Commissioners

**FROM:** Logan Olds, General Manager 

**SUBJECT:** Understanding Wastewater Treatment Performance on Advanced Water Treatment Processes and Finished Water Quality

VWVRA was requested to participate in a proposed Water Research Foundation (WRF) Project related to: Understanding Wastewater Treatment Performance on Advanced Water Treatment Processes and Finished Water Quality (Study). The project team is familiar with VWVRA's high solids retention time (SRT) membrane bioreactor (MBR) water reclamation plants in Apple Valley and Hesperia and asked the Authority to participate in the study.

The data developed would be integral towards developing a better understanding of various treatment plant operational scenarios to improve water quality for reuse purposes. This study would also include failure analysis. Our industry designs and builds itself not to fail, so this study will provide unique information that could assist VWVRA should a failure occur. The study may help defend against any regulatory penalties by having demonstrable evidence of the water quality impact of a failure, if a failure were to occur.

There is no cost to VWVRA to participate in the study other than the staff time to collect and ship the samples and review the draft report. If WRF decides to fund this study, it will educate VWVRA staff on the capabilities of the facilities and assist the Authority and its Member Entities with planning for future growth. It will also help advance the development of water reuse in the State of California.

## Project Briefing Document

The Water Research Foundation Project  
Reuse-17-05: Understanding  
Wastewater Treatment Performance on  
Advanced Water Treatment Processes  
and Finished Water Quality



THE  
**Water  
Research**  
FOUNDATION

### Project Team

**Principal Investigator (PI):** Eva Steinle-Darling, Carollo

**Co-PIs:** Andrew Salveson, Carollo, Dan Hugaboom, Carollo; Eva Steinle-Darling, Carollo, Eric Dickenson, SNWA; Troy Walker, Hazen; Chris Bellona, CSM; Dan Gerrity, University of Las Vegas; **Sun Liang, MWD (proposed).**



UNLV

Hazen



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA



SOUTHERN NEVADA  
WATER AUTHORITY

### Project Objectives

1. Investigate the impact of primary, secondary, and tertiary treatment processes on advanced water treatment (AWT) feed and finished water quality.
2. Investigate the impact on AWT treatment process selection.
3. Investigate the impact on AWT operations, maintenance, and performance.
4. Investigate the impact on AWT capital and operational costs.
5. Understand the economic and performance tradeoffs, levels of conventional wastewater treatment, and corresponding levels of AWT.

### Research Approach

In the presence of nationally acknowledged regulations and guidelines potable water reuse, studying the interfaces between wastewater treatment (WWT) and advanced water treatment (AWT) can provide valuable information to define the most cost-efficient methods to reliably purify water. Water quality parameters such as nitrogen, TOC, NDMA, pathogens, TSS, regulated DBPs, TON, CECS, and PFCs will drive the selection of downstream AWT processes, drive the design and operations criteria for those AWT processes, and thus drive the cost to produce new water.

Our proposed approach, which will meet all WRF Project Objectives, is:

- Define example potable water reuse treatment trains that are proven within the industry. For this effort, we have selected 3 trains, as shown in Table 1 below.



- Examine the impact of WWT secondary effluent quality on AWT design (e.g., flux, dose) and operation (e.g., energy, chemical use, equipment maintenance). The following types of secondary treatment will be evaluated:
  - Low SRT activated sludge plants that target BOD reduction only.
  - Moderate to high SRT activated sludge plants that target nitrification (but not denitrification)
  - High SRT activated sludge plants that target nitrification and denitrification
  - Trickling filter/solids contact plants that target BOD reduction only.
  - High SRT MBR plants.
- Define the “soft” spots of each of the treatment trains, where effluent water quality makes the largest impact on the cost of construction, the cost of O&M, and the end water quality.

**Table 1 – Proposed Treatment Trains and Focus Areas**

Treatment Trains		Central Research Area
Train 1	WWT - MF/UF, RO, UVAOP	Impact of secondary effluent quality on MF/UF Flux, Construction Cost, Chemical Use, Energy Use, and O&M
Train 2	WWT - O <sub>3</sub> , BAC, UF, GAC, UV	Broad range analysis of secondary effluent regulated and unregulated chemical concentrations and treatability through O <sub>3</sub> -BAC based processes. Subsequent analysis of cost to meet water quality goals.
Train 3	MBR, RO, UV AOP	Impact of broken fibers and MBR effluent TOC on RO system recovery and O&M. Subsequent analysis of cost impacts.

As shown in Table 1, the goal of this project is to focus on the key weak or “soft” spots within the purification trains. For example:

- Poor secondary effluent quality has a direct impact on the flux and O&M costs of downstream MF/UF systems, driving up cost. This project will utilize extensive full and pilot-scale data to evaluate such impacts.
- O<sub>3</sub>-BAC processes, to be cost effective, are reliant upon a high(er) quality secondary effluent compared to RO-based processes. High nutrient loads, high TOC, and high metals concentrations are three example challenges which drive up the cost of O<sub>3</sub>-BAC based treatment and risk regulatory compliance with finished water quality. This project will utilize extensive full and pilot-scale data to evaluate such impacts.
- MBRs, by their very nature, a challenge to maintain membrane integrity. Broken fibers are the norm, not the exception, and the industry concern is regarding pathogen passage and downstream RO biofouling. Both of these issues are under intensive study, and this project will supplement those evaluations with pilot-scale testing to better define the water quality and O&M impacts on RO performance.

Based on review of available literature from the industry’s and this project team’s full-scale and pilot scale ongoing efforts, targeted data gathering and water quality sampling will be conducted to clearly define the water quality and treatment performance challenges defined above. That work is expected to include:

- Broad surveys of MF and UF systems utilized for water reuse nationally to define the impact of water quality on MF/UF performance and cost.
- Broad and repeated secondary effluent water quality sampling pertaining to chemicals that pose a challenge to O<sub>3</sub>-BAC based processes.
- Focused research on the impact of broken MBR fibers on RO performance and O&M.

## Agency Participation

For this project to be successful, we need the support of utilities either performing or investigating different types of treatment for potable water reuse. Requests for support are focused on sampling and shipping of water samples to research team labs as well as providing treatment system and water quality data.

## Project Timeline

- February 2018: Solicit and confirm agency participants
- February 2018: RFP released
- February/March 2018: Generate proposal
- July 2018: Project kick-off
- August 2018: Data collection and analysis begins
- December 2018: Data collection ends
- January 2019: Targeted sampling and data analysis begins
- December 2019: Data analysis ends
- July 2020: Deliver project report



**Victor Valley Wastewater Reclamation Authority**  
*A Joint Powers Authority and Public Agency of the State of California*

20111 Shay Road, Victorville CA 92394  
 Telephone: (760) 246-8638  
 Fax: (760) 246-2898  
 E-mail: mail@vwwra.com

March 8, 2018

Patrice Copeland  
 California Regional Water Quality Control Board, Lahontan Region  
 14440 Civic Drive, Suite 200  
 Victorville, CA 92392

**SUBJECT: VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY  
 REPORT OF WASTE DISCHARGE FOR NATIONAL POLLUTANT  
 DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT RENEWAL**

Dear Ms. Copeland:

Victor Valley Wastewater Reclamation Authority (VWRA) hereby transmits its Report of Waste Discharge (ROWD, Attachment A) for renewal of NPDES Permit No. CA0102822 for the VWRA Regional Wastewater Treatment Plant (RWWTP). VWRA has prepared California Environmental Protection Agency (CalEPA) Form 200 and U.S. Environmental Protection Agency (U.S. EPA) Forms 1, 2A and 2S. To complete the forms, VWRA used monitoring data submitted to the Lahontan Regional Water Quality Control Board (Lahontan Regional Board) beginning in July 2013 and ending in December 2017. The data range is consistent with VWRA's current permit and monitoring and reporting program requirements at the time of sample collection, and meets the requirements as set forth by U.S. EPA on the required forms.

Background on the current permit requirements, VWRA's actions pertaining to those requirements and requests regarding watershed based permit requirements, chlorine based permit requirements and the COLD beneficial use designation for the Mojave River are discussed below.

**Current Permit**

Section IV.A.2 of the NPDES permit adopted in 2013 (Order No. R6V-2013-0038) contained interim effluent limits for dissolved oxygen. The compliance schedule in Section VII required compliance with final effluent limitations by September 5, 2017. The RWWTP has been in compliance with the final effluent limits for dissolved oxygen since August 2014.

**Watershed Based Permit Requirements**

VWRA has implemented several improvements and upgrades to its wastewater treatment operations over the years including upgrading all its facilities to tertiary treatment and replacing

chlorination with UV disinfection. In addition the Authority has shifted from a regional to a distributed treatment model by constructing two subregional water reclamation plants (WRP's) in Hesperia and Apple Valley. The WRP's reduce demand on the collection system and produce recycled water for the communities in the region.

The Authority is concerned that despite the existing high level of treatment that new, unanticipated water quality issues may arise that introduce more stringent permit requirements. If the only path to compliance with future requirements entails additional upgrades, this is likely to result in adverse economic impacts for the region. In the situation where there are significant non-point sources contributing to a water quality impairment, upgrades to VVWRA's treatment plant is likely to have limited benefit for water quality and occur at significant cost to its rate payers. VVWRA's resources could be used to greater benefit for the watershed or groundwater basins through actions addressing point and non-point sources unrelated to VVWRA's activities. To achieve greater overall benefit to the region, VVWRA is proposing that language be added to the permit to facilitate addressing future water quality concerns where the benefit would be greatest for the watershed as a whole.

VVWRA has been working with Mojave Water Agency and other stakeholders to implement watershed based solutions to the unique water management needs of a closed groundwater basin that is interconnected with surface water in an arid region. Through these efforts, VVWRA has identified the goals of:

- Preserving and improving the region's water quality as it relates to beneficial uses applicable to both groundwater and surface water.
- Identifying improved regional water use efficiency and optimization by implementing a portfolio of strategies, including conservation, recycling, recharge, stormwater augmentation, and policy changes.
- Identifying adaptation strategies to achieve a balance of future water demands with supplies through effective water resource management, including mitigation from impacts of climate change and population growth and better use of wastewater within a closed groundwater basin.

To achieve these goals, VVWRA is proposing that the permit include findings and provisions for complying with water quality standards using a watershed-based approach utilizing the principles and guidance developed by the Environmental Protection Agency (EPA) for Watershed-based Permitting<sup>1</sup>. EPA has developed implementation and technical guidance documents to support the development of watershed based permits. Regulations and NPDES permits have been developed using these principles as described below.

One approach to achieving compliance based on consideration of a watershed holistically is the adaptive management principles included in Wisconsin's Phosphorus Rule.<sup>2</sup> Section NR217.18 of the Phosphorus Rule allows adaptive management to be used as a strategy to achieve compliance with phosphorus water quality criteria. This applies primarily in the situation where

<sup>1</sup> <https://www.epa.gov/npdes/watershed-based-permitting>

<sup>2</sup>Chapter NR 217, Section 217.18 of the Wisconsin Administrative Code  
[http://docs.legis.wisconsin.gov/code/admin\\_code/nr/200/217/](http://docs.legis.wisconsin.gov/code/admin_code/nr/200/217/)

non-point sources represent a significant contribution to phosphorus loads within the watershed, proposed effluent limits in an NPDES permit may require advanced treatment and the permittee has developed a plan with specific actions that will result in reductions from other point and non-point sources.

In addition, watershed-based permitting has been implemented in Illinois and in Oregon. The NPDES permit adopted in 2015 for Downers Grove Sanitary District (Permit No. IL0028380) includes watershed-based compliance approaches in Special Condition 16, DuPage River/Salt Creek Special Requirements. Special Condition 16.5 requires the discharger to develop a discharge optimization plan that includes source reduction and treatment plant optimization. With this plan in place, Special Condition 16.8.c-d provides for the effluent limit to be met through a trading program or an alternate means of reducing watershed constituent loading to a comparable result that meets the applicable criteria.

In Oregon, the NPDES Permit for Clean Water Services issued in 2016 (Permit #: 101141, 101142, 101143, 101144, and MS4) covers four wastewater treatment facilities and the municipal separate storm sewer system in the Tualatin River Watershed. The permit allows compliance with temperature limits through a water quality credit trading program in Schedule D, Section 10. If the permittee implements approved strategies anywhere in the watershed, the load reduction attributable to that strategy is used as a credit in a 2:1 ratio to offset the thermal load discharged from the treatment facility.

With respect to quantifying reductions from a range of sources and use these reductions in a Trading Program, it may be possible to build on the experience and lessons learned from the Lake Tahoe Total Maximum Daily Load (TMDL) and the Lake Clarity Crediting Program that has been implemented as part of that TMDL.

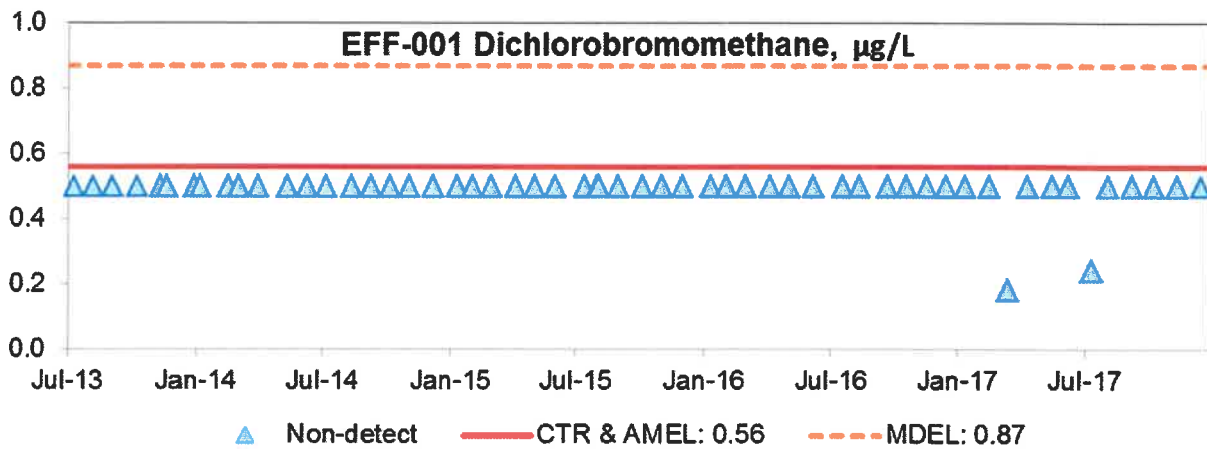
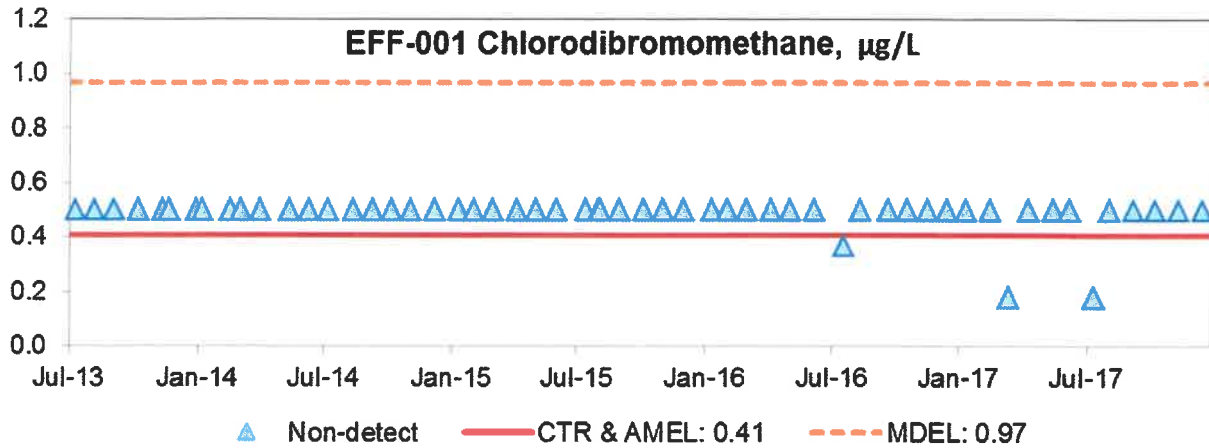
Including adaptive management and water quality trading provisions in the permit would allow actions taken by VVWRA elsewhere in the watershed to be considered as a means of compliance with permit requirements. Specifically, VVWRA is proposing that the permit include provisions to allow compliance with effluent limitations under a plan that includes the following elements:

- Development and implementation of a Discharge Optimization Plan that includes source reduction and treatment plant optimization strategies.
- If such a plan is in place, credit for load reductions implemented by VVWRA elsewhere in the watershed can be used to meet additional load reduction requirements that would be needed for full compliance.

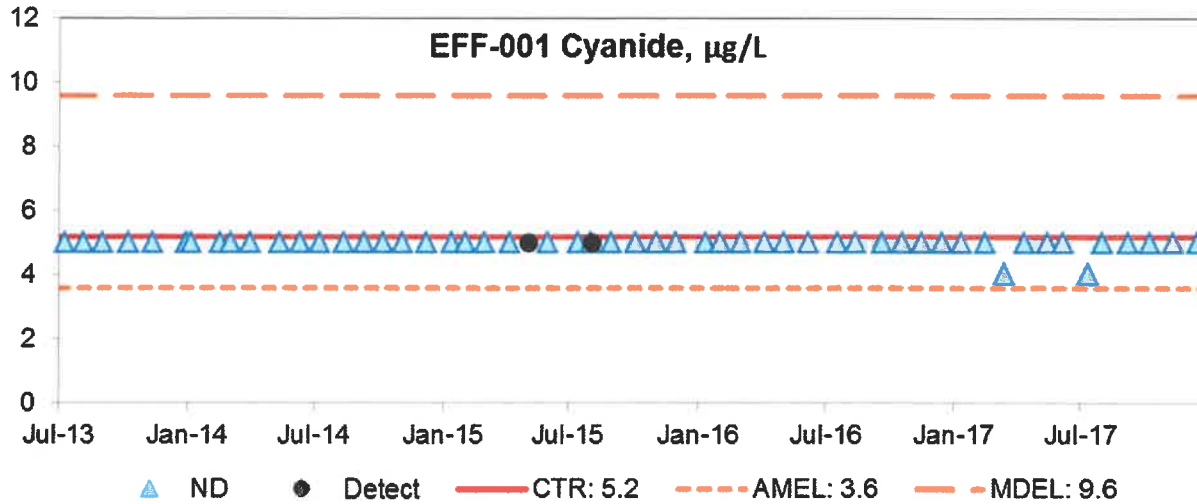
### **Chlorine Disinfection Based Permit Requirements**

The ultraviolet disinfection system was commissioned on December 11, 2012. Chlorine disinfection and dechlorination with sodium bisulfite has ceased at the VVWRA facility.

Replacement of chlorine disinfection resulted in compliance with the California Toxic Rule (CTR) objectives and final effluent limits for chlorodibromomethane and dichlorobromomethane, which were below detection limits in effluent during the permit term, as shown in the time series graphs below. As the effluent data are all below detection limits, there is no reasonable potential, and therefore the existing effluent limits should be removed.



Replacement of chlorine disinfection has also resulted in reduced cyanide concentrations in effluent. Effluent cyanide has been measured at or below the reporting limit of  $5 \mu\text{g/L}$  throughout the permit term, as shown in the time series graph below. Two of the results (measured in 2015) were reported as detected at the reporting limit, however no concentrations exceeded the CTR objectives. Therefore, cyanide has no reasonable potential and the existing effluent limits should be removed.



In addition, because the RWWTP does not disinfect through chlorination, VVWRA requests that the effluent limits for total residual chlorine (0.002 mg/L AMEL and 0.003 mg/L MDEL and corresponding mass limits) be removed. Total residual chlorine is identified as a Water Quality Based effluent limit and there is no reasonable potential for the effluent to cause or contribute to an exceedance of the water quality objective of 0.002 µg/L. This is consistent with other permits for facilities which have installed UV disinfection and discontinued chlorine disinfection.<sup>3</sup> The removal of technology-based chlorine residual effluent limitations is allowed by CWA section 402(o)(2)(A) which provides that relaxations in effluent limitations are permitted where the circumstances on which the previous permit was based have materially and substantially changed.

### **COLD Beneficial Use Designation**

The Basin Plan currently contains a COLD beneficial use designation for the Mojave River from the Upper Narrows to Helendale. This use was evaluated as part of the Mojave River Characterization Study (MRCS) Beneficial Use Assessment that was conducted by VVWRA and approved by the Lahontan Regional Board in 2010. The MRCS was conducted as a Supplemental Environmental Project (Order Nos. R6V-2006-0055, R6V-2008-0036). The MRCS determined that it was uncertain as to whether the Mojave River in that reach can support cold weather ecosystems. None of the species known to live in the Mojave River are known to specifically require cold water habitats. During the winter, the temperatures in the Mojave River would likely be considered cold. However, during the summer months, the temperatures rise by as much as 10 °C in the shallow Mojave River. Therefore, VVWRA is requesting that the COLD beneficial use be removed for the Mojave River in the next permit. This request was submitted previously as part of VVWRA's letter for the 2015 Triennial Review of the Lahontan Basin Plan on September 30, 2015.

<sup>3</sup> Examples include Russian River County Sanitation District (R1-2014-002), City of Healdsburg (R1-2016-0015), City of Santa Rosa (R1-2013-0042), City of Santa Paula (R4-2018-0022), City of Rio Vista Northwest WWTP (R5-2015-0141)

Thank you for your consideration of the above issues in VVWRA's upcoming permit renewal process. In the course of the permit renewal process, other issues may arise that may deserve discussion and VVWRA reserves the right to provide supplementary information on those issues as well as those identified herein. VVWRA respectfully requests that the Lahontan Regional Board issue an administrative draft of the permit to VVWRA prior to issuance of a tentative permit. By providing VVWRA with an administrative draft, VVWRA and the Lahontan Regional Board staff may be able to resolve matters before staff issues a tentative permit in accordance with federal regulations. Please feel free to contact me if you have any questions regarding this permit application.

Sincerely,



Logan Olds  
General Manager

Encl.: Attachment A: Report of Waste Discharge

cc: Nils Bentsen, Hesperia, City Manager  
Jeff Rigney, San Bernardino County, Director of Special Districts  
Keith Metzler, Victorville, City Manager  
Doug Robertson, Town of Apple Valley, Town Manager  
Betsy Elzufon, Larry Walker Associates  
Vicki Kretsinger, Luhdorff & Scalmanini




**Attachment A – Report of Waste Discharge**

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**Victor Valley Wastewater Reclamation Authority**  
*A Joint Powers Authority and Public Agency of the State of California*

20111 Shay Rd. Victorville, CA 92394  
 Telephone: (760) 246-8638  
 Fax: (760) 948-9897

**DATE:** May 7, 2018  
**TO:** Logan Olds  
 General Manager  
**FROM:** Chieko Keagy   
 Controller  
**SUBJECT:** Cash Disbursements Register

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**RECOMMENDED ACTION**

It is recommended that the Board of Commissioners approve the cash disbursements and payroll register for the Victor Valley Wastewater Reclamation Authority.

**BACKGROUND**

The Cash Disbursements Register totals represented below are for the month of APRIL 2018, check numbers 121527- 121625 and ACH's.

<i>Accounts Payable</i>			
<i>Checks</i>	<i>ACH's and EFT's</i>	<i>Payroll</i>	<i>Total</i>
<i>\$136,324.29</i>	<i>\$586,527.49</i>	<i>\$265,372.99</i>	<i>\$988,224.77</i>

Victor Valley Reclamation Authority  
Cash Disbursement Register  
From 4/1/18 through 4/30/18

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Invoice Number	Check Amount
121527	4/25/2018	4/25/2018	01	Dan Sentman	Retiree Health Benefit Allowance	SENT032318	(212.97)
121550	4/4/2018	4/4/2018	01	Apple Valley Transfer & Storage Dba Shr	Standard Console	3986	45.00
121551	4/4/2018	4/4/2018	01	Atmospheric Analysis And Consulting, Inc	Analysis and Reporting	A-18113	1,890.00
121552	4/4/2018	4/4/2018	01	Blackline Safety Corp	Blackline Staffy	INV2008471	210.00
121553	4/4/2018	4/4/2018	01	Charles P. Crowley Company, Inc	Parts	24567	335.10
121554	4/4/2018	4/4/2018	01	Cla-Val Co.	Parts	737941	601.34
121554	4/25/2018	4/25/2018	01	Cla-Val Co.	Parts	737941	(601.34)
121555	4/4/2018	4/4/2018	01	Golf Cars Of Riverside	Golf Cart Battery Charge	80547	598.00
121556	4/4/2018	4/4/2018	01	G.P. Electric	Mixer and Repairs	93461	3,002.95
121556	4/4/2018	4/4/2018	01	G.P. Electric	rearings and repair materials	93460	3,002.95
121556	4/4/2018	4/4/2018	01	G.P. Electric	Rearings and Repair Materials	93462	1,802.12
121556	4/4/2018	4/4/2018	01	G.P. Electric	Repair Materials	93463	1,802.12
121557	4/4/2018	4/4/2018	01	High Desert Lock & Safe	High Desert Lock and Safe	0000103945	183.57
121558	4/4/2018	4/4/2018	01	Honest Johns Septic Service, Inc.	Service	7683	220.00
121559	4/4/2018	4/4/2018	01	Napa Victorville	Support Brackets	102413	85.32
121560	4/4/2018	4/4/2018	01	Neofunds By Neopost	Postage	031618	510.00
121561	4/4/2018	4/4/2018	01	Prudential Overall Supply	Maint and Ops Uniform Service	22587038	420.38
121562	4/4/2018	4/4/2018	01	Rancho Motor Co.	Repairs and Tax	598221	1,896.12
121563	4/4/2018	4/4/2018	01	Thurlow'S Heating & A/C Inc.	Quarterly Maintenance	16523	1,999.00
121563	4/4/2018	4/4/2018	01	Thurlow'S Heating & A/C Inc.	Unit 2 Repair	21833	160.00
121564	4/4/2018	4/4/2018	01	Water Environment Federation	Logan's WEF Renewal	03292018	320.00
121565	4/4/2018	4/4/2018	01	Cintas Corporation	Cintas First Aid	5010215694	247.11
121566	4/16/2018	4/16/2018	01	All American Fence Erectors	Fence Repair	1395	425.00
121567	4/16/2018	4/16/2018	01	Liberty Utilities- Apple Valley Ranchos W	21024 Otoe- FS Road Water Usage	03262018	98.49
121568	4/16/2018	4/16/2018	01	Battery Mart	BATT000 Credit 271120	271120	(180.00)
121568	4/16/2018	4/16/2018	01	Battery Mart	BATT000 Credit 271160	271160	(45.00)
121568	4/16/2018	4/16/2018	01	Battery Mart	Golf Cart Battery	270847	829.98
121569	4/16/2018	4/16/2018	01	Big Bear Electric, Inc.	SPP VFD#2	939	1,980.00
121569	4/16/2018	4/16/2018	01	Big Bear Electric, Inc.	Wizard at Otoe Rough Electrical	992	1,980.00
121570	4/16/2018	4/16/2018	01	Larry Bird	Commissioner Stipend	BIRD031518	100.00
121571	4/16/2018	4/16/2018	01	Daily Press	E&I Job Advertising	1803-000014121	787.86
121572	4/16/2018	4/16/2018	01	Dezurik C/O C.S.-Amsco	Actuator	RPV/64005001	7,432.60
121572	4/16/2018	4/16/2018	01	Dezurik C/O C.S.-Amsco	Shipping	RPV/64005106	492.14
121573	4/16/2018	4/16/2018	01	Elliot'S Concrete Cutting & Coring	Core Drilled	1510	1,480.00
121574	4/16/2018	4/16/2018	01	Flyers Energy, Llc	Gasoline	CFS1587078	756.52
121575	4/16/2018	4/16/2018	01	G.A. Osborne Pipe & Supply	Piping Material	391127	797.79
121575	4/16/2018	4/16/2018	01	G.A. Osborne Pipe & Supply	Piping Parts	390486	1,863.48
121576	4/16/2018	4/16/2018	01	Hi-Desert Communications	Site Rent	37735	100.00
121577	4/16/2018	4/16/2018	01	Hi-Desert Window Washing	Window Washing	25132	307.00
121578	4/16/2018	4/16/2018	01	Hi Desert Fire Protection Inc	Fire Extinguishers Annual Service	336390	192.00
121579	4/16/2018	4/16/2018	01	James N. Kennedy	Commissioner Stipend	KENNO31518	100.00
121579	4/16/2018	4/16/2018	01	James N. Kennedy	Commissioner Stipend	KENNO41018	100.00
121580	4/16/2018	4/16/2018	01	Konica Minolta Business Solutions	Printing Charges	9004481214	808.63
121581	4/16/2018	4/16/2018	01	Scott Nassif	Commissioner Stipend	NASS031518	100.00
121581	4/16/2018	4/16/2018	01	Scott Nassif	Commissioner Stipend	NASS041018	100.00
121582	4/16/2018	4/16/2018	01	Orkin	Pest Control	172294216	381.53
121583	4/16/2018	4/16/2018	01	Prudential Overall Supply	Uniform Service	22590630	439.81
121584	4/16/2018	4/16/2018	01	San Bernardino County Fire Department	CUPA Permit	INO128986	325.00
121585	4/16/2018	4/16/2018	01	Southern Counties Lubricants	5200 Low Ash	363657	7,693.30
121585	4/16/2018	4/16/2018	01	Southern Counties Lubricants	Chevron Rando	365357	117.12
121585	4/16/2018	4/16/2018	01	Southern Counties Lubricants	Coolant 5050	365359	1,052.79
121586	4/16/2018	4/16/2018	01	Scott Equipment, Inc	Element	E17567	418.39
121586	4/16/2018	4/16/2018	01	Scott Equipment, Inc	Late Fee	LATECH	11.92
121586	4/16/2018	4/16/2018	01	Scott Equipment, Inc	Mobil Oil	E17603	376.48
121587	4/16/2018	4/16/2018	01	Sonshine Auto Body	F150 Damage Repairs	50443	1,721.60
121588	4/16/2018	4/16/2018	01	Sparklets Drinking Water	Bottled Water	14877093 040118	859.50
121589	4/16/2018	4/16/2018	01	Thurlow'S Heating & A/C Inc.	Quarterly Service	21836	1,015.50
121589	4/16/2018	4/16/2018	01	Thurlow'S Heating & A/C Inc.	Service	21832	163.78
121590	4/16/2018	4/16/2018	09	T.R.L.S. Engineering, Inc.	AV Subregional Legal Description	2775	750.00
121590	4/16/2018	4/16/2018	09	T.R.L.S. Engineering, Inc.	Subregional Surveying	2820	13,440.00
121591	4/16/2018	4/16/2018	01	United Rentals Northwest, Inc	Forklift Rental	155468542-001	572.56
121592	4/19/2018	4/19/2018	01	Alfa Laval Inc.	Chicanes	278016979	150.89
121593	4/19/2018	4/19/2018	01	All Pro Pest Control	Weed Spraying Service-Main Plant	041218	1,950.00
121594	4/19/2018	4/19/2018	01	Aquatic Bioassay / Consult Inc.	Final Effluent Mojave River Grab	VIC0218.0156	230.00
121594	4/19/2018	4/19/2018	01	Aquatic Bioassay / Consult Inc.	Final Effluent Mojave River Grab	VIC1017.0938	230.00
121595	4/19/2018	4/19/2018	01	Certified Labs Div Of Noh Corporation	Drum Pump & Aqua-sol	3078806	1,354.47
121596	4/19/2018	4/19/2018	01	Flyers Energy, Llc	Gasoline	CFS-15995968	1,063.40
121597	4/19/2018	4/19/2018	01	Heritage Victor Valley Medical Group	Pre-employee Physical	RECVV00	165.00
121598	4/19/2018	4/19/2018	01	High Desert Lock & Safe	Lever Locks and Subs	0000103655	5,084.02
121599	4/19/2018	4/19/2018	01	Learn Cpr 4 Life	CPR Training Class	151230	800.00
121600	4/19/2018	4/19/2018	01	Multi W Sytems, Inc	Taco mechanical seal kit	31830517	777.60
121601	4/19/2018	4/19/2018	01	Patton Sales Corp	Piping	3513394	1,585.00
121602	4/19/2018	4/19/2018	01	Prudential Overall Supply	Maint & Ops Uniform Service	22594247	446.85
121603	4/19/2018	4/19/2018	01	Quill Corporation	Office Supplies	21570	119.38
121603	4/19/2018	4/19/2018	01	Quill Corporation	Office Supply Order	5864928	184.71
121604	4/19/2018	4/19/2018	01	Safety-Kleen Systems Inc.	Safey Kleen	76330468	1,365.21

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121605	4/19/2018	4/19/2018	01	Teledyne Isco C/O Mrc Technologies	Samplers	S020245941	4,186.09
121606	4/19/2018	4/19/2018	01	United Rentals Northwest, Inc	United Academy- Forklift	155930190-001	380.00
121607	4/19/2018	4/19/2018	01	Donna Anthony	Retiree Health Benefit Allowance	ANTH041818	438.00
121608	4/19/2018	4/19/2018	01	Dan Sentman	Retiree Health Benefit Allowance	SENT041818	212.97
121609	4/25/2018	4/25/2018	01	2G Energy Inc.	2G Intake Manifold	415-081800164	4,622.77
121610	4/25/2018	4/25/2018	01	Atmospheric Analysis And Consulting, Inc	Lab Analysis	A-18205	1,890.00
121611	4/25/2018	4/25/2018	01	Big Bear Electric, Inc.	Micro Grid Elect Panel Replacement	996	3,642.40
121612	4/25/2018	4/25/2018	01	Brithinee Electric	Backwash Pump Station Control Panel	SI06767	27,799.50
121613	4/25/2018	4/25/2018	01	Cla-Val Co.	Parts	737941	601.34
121614	4/25/2018	4/25/2018	01	Concorde Communications	Telephone and Answering Service	180400040	10.80
121615	4/25/2018	4/25/2018	01	G.A. Osborne Pipe & Supply	Piping Parts	391333	1,165.32
121616	4/25/2018	4/25/2018	01	Gfoa	Keagy Membership Renewal	222361002	160.00
121617	4/25/2018	4/25/2018	01	Mojave Desert A.Q.M.D.	Emergency Generator Permit	MD8889	307.63
121618	4/25/2018	4/25/2018	01	Orkin	Pest Control	169193733	381.53
121619	4/25/2018	4/25/2018	01	Prudential Overall Supply	Uniform Service	22597826	449.07
121620	4/25/2018	4/25/2018	01	San Bernardino County Fire Department	CUPA Permit	IN0128986	325.00
121621	4/25/2018	4/25/2018	01	Dan Sentman	Retiree Health Benefit Allowance	SENT032318	212.97
121622	4/25/2018	4/25/2018	01	Soils Solutions Inc	Concrete Cloth	04232018	1,680.25
121623	4/25/2018	4/25/2018	01	Verizon Wireless	Wireless Telephone Charges	9805345270	152.04
121624	4/25/2018	4/25/2018	01	City Of Victorville / Sanitation	Trash Service	2921048	3,398.38
121625	4/25/2018	4/25/2018	01	Cintas Corporation	First Aid Supplies	5010584904	339.16
<b>Total Checks</b>							<b>136,324.29</b>
00033680047	4/24/2018	4/24/2018	01	State Board Of Equalization	Sales Tax 1st Quarter 2018	04232018	1,294.00
0017563	4/4/2018	4/4/2018	01	Coromina, Robert	Robert's Reimbursement	032818	313.90
0017564-1	4/4/2018	4/4/2018	01	A.D.S. Corp.	Flow Monitoring	12928.22-0318	8,333.28
0017564-10	4/4/2018	4/4/2018	01	Underground Service Alert Of Southern C	Dig Alert Charges	320180795	97.45
0017564-11	4/4/2018	4/4/2018	01	U.S. Bank	Cal Card Charges February 2018	02222018	9,393.35
0017564-12	4/4/2018	4/4/2018	01	Vision Internet Providers	Web Hosting	36462	255.55
0017564-2	4/4/2018	4/4/2018	01	Applied Maintenance Supplies & Solution	Consumables	96916111	618.47
0017564-2	4/4/2018	4/4/2018	01	Applied Maintenance Supplies & Solution	Consumables	96919046	23.51
0017564-3	4/4/2018	4/4/2018	01	Brenntag Pacific, Inc	AV Subregional- Bleach Citric Acid	BPI820364	4,212.15
0017564-4	4/4/2018	4/4/2018	01	Cdw Government, Inc	Keyboards	MBV8817	346.64
0017564-5	4/4/2018	4/4/2018	01	Elogger Inc.	10 eLogger Licenses	2186	3,000.00
0017564-6	4/4/2018	4/4/2018	01	Evoqua Water Technologies Llc	Bioxide	903480670	8,576.31
0017564-7	4/4/2018	4/4/2018	01	Innerline Engineering	Septage EQ Cleanging	170375	2,756.50
0017564-8	4/4/2018	4/4/2018	01	Mc Master-Carr Supply Co.	UPS Racks	59230230	414.90
0017564-9	4/4/2018	4/4/2018	01	Principal Life Ins. Co.	Dental Vision Insurance	040318	2,991.00
0018098-1	4/16/2018	4/16/2018	01	Advanced Systems	Fleet Vehicle Wash	414	305.00
0018098-10	4/16/2018	4/16/2018	01	Grainger	Duffel Bag	9745661901	123.43
0018098-10	4/16/2018	4/16/2018	01	Grainger	Fire Extinguisher Sign	9745843483	29.96
0018098-10	4/16/2018	4/16/2018	01	Grainger	Hot Water Pump	9742268486	391.86
0018098-10	4/16/2018	4/16/2018	01	Grainger	Maintenance Consumables	9741822648	543.90
0018098-10	4/16/2018	4/16/2018	01	Grainger	Maintenance Tools	9738747519	299.01
0018098-10	4/16/2018	4/16/2018	01	Grainger	Maintenance Tools	9739265057	1,558.66
0018098-10	4/16/2018	4/16/2018	01	Grainger	UV Desiccant Dryer	9738747501	314.10
0018098-11	4/16/2018	4/16/2018	09	Masters Electric	Load Bank Design	8157	29,430.00
0018098-11	4/16/2018	4/16/2018	09	Masters Electric	Load Bank Design	8172	9,810.00
0018098-11	4/16/2018	4/16/2018	09	Masters Electric	Load Bank Design	8173	4,360.00
0018098-12	4/16/2018	4/16/2018	01	Mc Master-Carr Supply Co.	Stand-Up Workstation	59903043	1,158.05
0018098-13	4/16/2018	4/16/2018	01	Protection One	Otoe Road Protection One Monitoring	121991574	5,407.11
0018098-13	4/16/2018	4/16/2018	01	Protection One	Protection One	121882849	735.93
0018098-14	4/16/2018	4/16/2018	09	Michael Baker International	Nanticoke Pump Station Bypass Sewer Pr	1009306	4,549.00
0018098-14	4/16/2018	4/16/2018	09	Michael Baker International	Stormwater Containmnet System	1008401	7,925.00
0018098-15	4/16/2018	4/16/2018	01	T-Mobile	Wireless Telephones	04132018	61.82
0018098-16	4/16/2018	4/16/2018	01	Trimax Systems	Software and SCADA Development	109132	75,000.00
0018098-17	4/16/2018	4/16/2018	01	Walters Wholesale Electric	Electrical Install	S110267103.001	88.11
0018098-17	4/16/2018	4/16/2018	01	Walters Wholesale Electric	Electrical Install	S110267103.002	6.23
0018098-17	4/16/2018	4/16/2018	01	Walters Wholesale Electric	Electrical Material	S110244501.001	737.13
0018098-17	4/16/2018	4/16/2018	01	Walters Wholesale Electric	electrical material	S110244501.002	305.42
0018098-17	4/16/2018	4/16/2018	01	Walters Wholesale Electric	electrical material	S110245369.001	517.85
0018098-2	4/16/2018	4/16/2018	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	96920648	519.54
0018098-2	4/16/2018	4/16/2018	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	96921149	73.99
0018098-3	4/16/2018	4/16/2018	01	Biogas Power Systems- Mojave, Llc	Biogas Project	VVWRA-18-04	64,119.27
0018098-4	4/16/2018	4/16/2018	01	Cdw Government, Inc	24 Port HP Switch	MFT1436	4,550.65
0018098-5	4/16/2018	4/16/2018	01	Fedak & Brown Llp	FYE 2018 Audit	03272018	2,000.00
0018098-6	4/16/2018	4/16/2018	01	Crane Pro Services	UV Crane Service	NOT POSTED	1,200.00
0018098-7	4/16/2018	4/16/2018	01	Culligan Water Conditioning	Water Softener	20183B041401	470.00
0018098-8	4/16/2018	4/16/2018	01	Davis Electric, Inc	Hardwire Heat Trace to Scrubber	18-0038	1,942.00
0018098-9	4/16/2018	4/16/2018	01	Fluence Corporation	Tornado	ASI-004199	15,439.90
0018099	4/16/2018	4/16/2018	01	Xiwei Wang	Xiwei Education Reimbursement	04112018	2,825.60
0018294-1	4/19/2018	4/19/2018	01	American Express	American Express Charges March 2018	033018	2,545.13
0018294-10	4/19/2018	4/19/2018	01	Hach Company	Cal Instrument	10915819	2,074.34
0018294-11	4/19/2018	4/19/2018	01	Mcgrath Rentcorp	Admin Office Lease	1603776	3,995.37
0018294-12	4/19/2018	4/19/2018	01	Mc Master-Carr Supply Co.	Thread Hole Plug	61085754	542.43
0018294-2	4/19/2018	4/19/2018	01	Applied Maintenance Supplies & Solution	Consumables	96925214	30.77
0018294-2	4/19/2018	4/19/2018	01	Applied Maintenance Supplies & Solution	Consumables	96923367	608.39
0018294-3	4/19/2018	4/19/2018	01	Beck Oil, Inc.	Diesel Delivery	320736	1,852.96
0018294-4	4/19/2018	4/19/2018	01	Brenntag Pacific, Inc	Delivery	BPI823600	5,520.06
0018294-5	4/19/2018	4/19/2018	09	Christensen Brothers Gen Eng Inc	Nanticoke Bypass Sewer Project	388-11	122,756.63
0018294-6	4/19/2018	4/19/2018	01	D.K.F. Solutions Inc.	MSO Monthly	13825	350.00
0018294-6	4/19/2018	4/19/2018	01	D.K.F. Solutions Inc.	Training	13840	235.00
0018294-7	4/19/2018	4/19/2018	01	Ehs International Inc.	EHS Fall Protection Training	3-17153	2,400.00
0018294-8	4/19/2018	4/19/2018	01	E.S. Babcock & Sons, Inc.	Lab Sampling March 2018	040118	20,523.00
0018294-9	4/19/2018	4/19/2018	01	Grainger	grainger open PO	9748472124	15.26

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0018340-1	4/19/2018	4/19/2018	01	Billings, Richard	Retiree Health Benefit Allowance	BILL041818	438.00
0018340-10	4/19/2018	4/19/2018	01	Randy Main	Retiree Health Benefit Allowance	MAIN041818	438.00
0018340-11	4/19/2018	4/19/2018	01	Mark Mcgec	Retiree Health Benefit Allowance	MCGE041818	438.00
0018340-12	4/19/2018	4/19/2018	01	Lillie Montgomery	Retiree Health Benefit Allowance	MONT041818	438.00
0018340-13	4/19/2018	4/19/2018	01	L. Christina Nalian	Retiree Health Benefit Allowance	NALI041818	438.00
0018340-14	4/19/2018	4/19/2018	01	Nave, Patrick	Retiree Health Benefit Allowance	NAVE041818	438.00
0018340-2	4/19/2018	4/19/2018	01	Roy Dagnino	Retiree Health Benefit Allowance	DAGI041818	438.00
0018340-3	4/19/2018	4/19/2018	01	Tim Davis	Retiree Health Benefit Allowance	DAVI041818	438.00
0018340-4	4/19/2018	4/19/2018	01	Terrie Gossard Flint	Retiree Health Benefit Allowance	FLIN041818	249.30
0018340-5	4/19/2018	4/19/2018	01	Gillette, Randy	Retiree Health Benefit Allowance	GILL041818	438.00
0018340-6	4/19/2018	4/19/2018	01	Andrew Gyurcsik	Retiree Health Benefit Allowance	GYUR041818	438.00
0018340-7	4/19/2018	4/19/2018	01	Thomas Hinojosa	Retiree Health Benefit Allowance	HINO041818	438.00
0018340-8	4/19/2018	4/19/2018	01	Patricia J Johnson	Retiree Health Benefit Allowance	JOHN041818	183.34
0018340-9	4/19/2018	4/19/2018	01	Olin Keniston	Retiree Health Benefit Allowance	KENI041818	249.30
0018594	4/25/2018	4/25/2018	01	Arizona Instrument LLC	Jermoe 605	334760	15,727.50
0018595	4/25/2018	4/25/2018	01	Brenntag Pacific, Inc	Ferrie Chloride	BPIS28613	4,905.80
0018595	4/25/2018	4/25/2018	01	David Wylie	Mileage Reimbursement	04232018	42.18
0018596	4/25/2018	4/25/2018	07	Dudek	Final Design Oro Grande Pipeline	20176953	2,050.00
0018597	4/25/2018	4/25/2018	01	Ehs International Inc.	Fall Protection Training	3-17154	2,400.00
0018598	4/25/2018	4/25/2018	01	Grainger	Emergency Blanket	9741822630	131.35
0018598	4/25/2018	4/25/2018	01	Grainger	Gloves and Ear Muffs	9759145601	193.53
0018598	4/25/2018	4/25/2018	01	Grainger	Inspection Record Tag	9757089249	170.16
0018598	4/25/2018	4/25/2018	01	Grainger	Ladder	9758990452	1,396.90
0018598	4/25/2018	4/25/2018	01	Grainger	Light Bulb	9758845334	30.77
0018598	4/25/2018	4/25/2018	01	Grainger	Linear Lamp	9755589075	193.46
0018598	4/25/2018	4/25/2018	01	Grainger	Table Top Weather Radio	9741949813	81.03
0018599	4/25/2018	4/25/2018	01	Hach Company	Buffer Solution	10919796	133.41
0018599	4/25/2018	4/25/2018	01	Hach Company	SC100 Software	10921569	1,052.10
0018599	4/25/2018	4/25/2018	01	Hach Company	Sensor Cartridge	10921866	6,237.01
0018600	4/25/2018	4/25/2018	01	Industrial Solution Services, Inc	Urea Solution	17303	1,945.51
0018601	4/25/2018	4/25/2018	01	U.S. Bank	Cal Card Charges March 2018	03222018	4,859.90
040418UPS	4/4/2018	4/4/2018	01	Ups	Express Shipping	0000615V7V138	146.07
041018SWG	4/10/2018	4/10/2018	01	Southwest Gas Company	Natural Gas	03262018	700.35
042318SWG	4/24/2018	4/24/2018	01	Southwest Gas Company	Hesperia Subregional Natural Gas - Appal	040618	503.75
042318SWG2	4/24/2018	4/24/2018	01	Southwest Gas Company	Hesperia Subregional Natural Gas-Fresno	04062018	27.09
042318UPS	4/24/2018	4/24/2018	01	Ups	Express Shipping	0000615V7V148	94.97
042318UPS	4/24/2018	4/24/2018	01	Ups	Express Shipping	0000615V7V158	84.52
042418CHAR	4/24/2018	4/24/2018	01	Charter Communications	Telephone Charges	0013529040718	4,856.43
18941-54842	4/4/2018	4/4/2018	01	Dell Inc.	SCADA Ignition Dell Servers	04272018	16,148.78
806479	4/24/2018	4/24/2018	01	Konica Minolta Business Solutions	Large Printer Lease	31696648	383.71
806479	4/24/2018	4/24/2018	01	Konica Minolta Business Solutions	Small Individual Printer Lease	31730249	662.95
8238069686100	4/10/2018	4/10/2018	01	Southern California Edison	Electricity	03232018	56,995.80
83950026111139	4/24/2018	4/24/2018	01	Southern California Edison	Subregional Electricity- Appaloosa	04122018	4,601.20
83950027691135	4/24/2018	4/24/2018	01	Southern California Edison	Hesperia Subregional Electricity- Fresno	4122018	218.44
83977782891139	4/24/2018	4/24/2018	01	Southern California Edison	Otoe Electricity	041218	7,801.52
91000018937493	4/4/2018	4/4/2018	01	Lincoln Financial Group	Disability Insurance	3646704365	100.66
91000018937493	4/4/2018	4/4/2018	01	Lincoln Financial Group	Life and Disability Insurance	3646703442	3,275.83
<b>Total ACH &amp; EFT</b>							<b>586,527.49</b>

APPROVED

<b>Total Checks</b>	<b>136,324.29</b>
<b>Total ACH and EFT</b>	<b>586,527.49</b>
<b>Total Payroll - April 2018</b>	<b>265,372.99</b>
<b>Total</b>	<b>988,224.77</b>



**Victor Valley Wastewater Reclamation Authority**  
*A Joint Powers Authority and Public Agency of the State of California*

20111 Shay Rd. Victorville, CA 92394  
 Telephone: (760) 246-8638  
 Fax: (760) 948-9897

**DATE:** April 4, 2018  
**TO:** Logan Olds  
 General Manager  
**FROM:** Chieko Keagy  
 Controller  
**SUBJECT:** Cash Disbursements Register

**RECOMMENDED ACTION**

It is recommended that the Board of Commissioners approve the cash disbursements and payroll register for the Victor Valley Wastewater Reclamation Authority.

**BACKGROUND**

The Cash Disbursements Register totals represented below are for the month of MARCH 2018, check numbers 121472- 121549 and ACH's.

<i>Accounts Payable</i>			
<i>Checks</i>	<i>ACH's and EFT's</i>	<i>Payroll</i>	<i>Total</i>
<b>\$209,746.46</b>	<b>\$1,948,550.76</b>	<b>\$352,392.36</b>	<b>\$2,510,689.58</b>

**Victor Valley Reclamation Authority  
Cash Disbursement Register  
From 3/1/18 through 3/31/18**

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Invoice Number	Check Amount
121472	3/1/2018	3/1/2018	01	Town Of Apple Valley	AV Subregional Water Usage Refund	022818	\$ 160.35
121473	3/1/2018	3/1/2018	01	Town Of Apple Valley	AV Subregional Electricity Refund	02282018	\$ 11,990.50
121474	3/1/2018	3/1/2018	01	Beck Oil, Inc.	Dyed Carb ULS Diesel	316641	\$ 2,133.95
121475	3/1/2018	3/1/2018	01	Becker Pumps Corporation	Compressor	INV215764	\$ 1,575.88
121476	3/1/2018	3/1/2018	01	Blackline Safety Corp	Loner Device Lease March 2018	INV2007988	\$ 210.00
121477	3/1/2018	3/1/2018	01	Ced	Conduit	9085-666605	\$ 319.32
121477	3/1/2018	3/1/2018	01	Ced	Conduit	9085-666634	\$ 246.31
121478	3/1/2018	3/1/2018	01	Concorde Communications	Telephone and Answering Service	180100055	\$ 212.80
121478	3/1/2018	3/1/2018	01	Concorde Communications	Telephone and Answering Service	180200029	\$ 212.30
121479	3/1/2018	3/1/2018	01	Cortech Engineering	Shipping, Parts, Tax	49418328	\$ 1,636.56
121480	3/1/2018	3/1/2018	01	Education & Training Services	Education & Training Services	020618	\$ 998.00
121481	3/1/2018	3/1/2018	01	Vallen Distribution, Inc	Vallen SCBA Inspect	10-000331	\$ 200.87
121482	3/1/2018	3/1/2018	01	Hesperia Unified School District	Adams Business Cards	180598	\$ 16.22
121483	3/1/2018	3/1/2018	01	Hi-Desert Window Washing	Window Washing	25056	\$ 307.00
121484	3/1/2018	3/1/2018	01	High Desert Laser Graphics	Name Badges	013018	\$ 150.85
121485	3/1/2018	3/1/2018	01	Napa Victorville	Batteries and Filters	093308	\$ 724.00
121486	3/1/2018	3/1/2018	01	Profiles International	Employee Profile Testing	IN0316841	\$ 2,535.00
121487	3/1/2018	3/1/2018	01	Prudential Overall Supply	Uniform Service	22569001	\$ 413.59
121488	3/1/2018	3/1/2018	01	San Bernardino County Fire Department	CUPA Permit- FA0007172	IN0128265	\$ 1,085.00
121489	3/1/2018	3/1/2018	01	Underground Service Alert Of Southern Cal	Dig Alert Charges	220180784	\$ 90.85
121490	3/1/2018	3/1/2018	01	United Rentals Northwest, Inc	Forklift Seat	154852966-001	\$ 460.09
121491	3/1/2018	3/1/2018	01	Verizon Wireless	Account# 472015939-00001	9801663898	\$ 1,670.65
121491	3/1/2018	3/1/2018	01	Verizon Wireless	Account# 472015939-00013	9801663899	\$ 152.04
121492	3/1/2018	3/1/2018	01	City Of Victorville / Sanitation	Trash Service	2848834	\$ 1,693.00
121493	3/1/2018	3/1/2018	01	Water Environment Federation	Logan Olds Membership Renewal	2282018	\$ 352.00
121494	3/8/2018	3/8/2018	01	A&A Alternators And Starters	Generator Rebuild	1520	\$ 1,500.00
121495	3/8/2018	3/8/2018	01	Liberty Utilities- Apple Valley Ranchos W/	AV Subregional Water Usage- Otoe	022718	\$ 1,771.13
121495	3/8/2018	3/8/2018	01	Liberty Utilities- Apple Valley Ranchos W/	AV Subregional Water Usage- Otoe	02272018	\$ 2.38
121495	3/8/2018	3/8/2018	01	Liberty Utilities- Apple Valley Ranchos W/	AV Subregional Water Usage- Otoe FS	022318	\$ 98.49
121496	3/8/2018	3/8/2018	01	Atmospheric Analysis And Consulting, Inc.	February Sampling	A-18002	\$ 1,890.00
121497	3/8/2018	3/8/2018	01	Big Bear Electric, Inc.	Digester 4 & 5 Valve Switch	719	\$ 1,990.00
121497	3/8/2018	3/8/2018	01	Big Bear Electric, Inc.	Install Conduit Overhead	948	\$ 1,980.00
121498	3/8/2018	3/8/2018	01	Bio Vir Lab, Inc.	Sampling	171701-ASI	\$ 9,920.00
121498	3/8/2018	3/8/2018	01	Bio Vir Lab, Inc.	Sampling	172239	\$ 4,960.00
121499	3/8/2018	3/8/2018	01	County Of San Bernardino	Maintenance Worker & Street Sweeper	022118	\$ 1,024.80
121500	3/8/2018	3/8/2018	01	Dmv	Lic# 1169599 Vin# 1GCDT19X738257235	03072018	\$ 21.00
121501	3/8/2018	3/8/2018	01	Fastenal	Drill Bits	CAVIC57121	\$ 77.42
121502	3/8/2018	3/8/2018	01	Flyers Energy, Llc	Diesael Fuel	CPS-1571242	\$ 616.35
121503	3/8/2018	3/8/2018	01	G.A. Osborne Pipe & Supply	Piping Parts	389736	\$ 64.76
121504	3/8/2018	3/8/2018	01	Granicus, Inc.	Monthly Maintenance, Hosting & Support	94974	\$ 4,725.00
121505	3/8/2018	3/8/2018	01	High Desert Lock & Safe	High Desert Lock and Safe	0000103415	\$ 95.00
121505	3/8/2018	3/8/2018	01	High Desert Lock & Safe	Locks for Subregional	0000103599	\$ 7,998.10
121506	3/8/2018	3/8/2018	01	Konica Minolta Business Solutions	Printer Charges	9004380988	\$ 391.52
121507	3/8/2018	3/8/2018	01	Learn Cpr 4 Life	Safety Training	151153	\$ 800.00
121508	3/8/2018	3/8/2018	01	Mailfinance	Mail Lease 4-1-18 to 6-30-18	N7028087	\$ 269.61
121509	3/8/2018	3/8/2018	01	Orkin	Pest Control	168143666	\$ 381.53
121510	3/8/2018	3/8/2018	01	Prudential Overall Supply	Uniform Service	22572668	\$ 413.59
121511	3/8/2018	3/8/2018	01	Roto-Rooter Plumbers	Fix Piping and Rebuild sloan valve	A22218002	\$ 725.00
121512	3/8/2018	3/8/2018	01	Sparklets Drinking Water	Bottled Water	14877093030418	\$ 625.55
121513	3/8/2018	3/8/2018	01	Swains Electric Motor Service	Pump Repair for Tank Drain	10894	\$ 1,937.00
121514	3/8/2018	3/8/2018	01	Uc Regents	CEC Renewable Energy Storage Project	81043-003R.1	\$ 10,469.05
121515	3/8/2018	3/8/2018	01	United Rentals Northwest, Inc	Boom Lift Rental	153953985-001	\$ 778.70
121516	3/8/2018	3/8/2018	01	Yale Chase Equipment And Services	Filter	SI177997	\$ 1,159.29
121517	3/8/2018	3/8/2018	01	Cintas Corporation	Cintas	5010037665	\$ 309.58
121518	3/14/2018	3/14/2018	01	Larry Bird	AP Invoices Larry Bird	01182018	\$ 100.00
121518	3/14/2018	3/14/2018	01	Larry Bird	AP Invoices Larry Bird	02152018	\$ 100.00
121519	3/14/2018	3/14/2018	01	James N. Kennedy	AP Invoices Jim Kennedy	011818	\$ 100.00
121519	3/14/2018	3/14/2018	01	James N. Kennedy	AP Invoices Jim Kennedy	021518	\$ 100.00
121520	3/14/2018	3/14/2018	01	Scott Nassif	AP Invoices Scott Nassif	21518	\$ 100.00
121521	3/20/2018	3/20/2018	01	Brown Bear Corp	Brown Bear Parts	4467	\$ 475.60
121522	3/20/2018	3/20/2018	01	Quincy Compressor	Compressor Parts	873462	\$ 1,861.17
121522	3/20/2018	3/20/2018	01	Quincy Compressor	Labor and Expense	873460	\$ 1,291.00
121523	3/20/2018	3/20/2018	01	Uc Regents	CEC Battery Installation	81043-004R.1	\$ 13,084.76
121524	3/20/2018	3/20/2018	01	Uc Regents	CEC Battery Installation	81043-005R	\$ 9,624.89
121525	3/20/2018	3/20/2018	01	Uc Regents	CEC Battery Installation	81043-006R	\$ 5,689.85
121526	3/26/2018	3/26/2018	01	Donna Anthony	Retiree Health Benefit Allowance	ANTH032318	\$ 438.00
121527	3/26/2018	3/26/2018	01	Dan Sentman	Retiree Health Benefit Allowance	SENT032318	\$ 212.97
121528	3/29/2018	3/29/2018	01	Howard Almgren	JAMS Ref# 1220054043	No.1	\$ 32,788.19
121529	3/29/2018	3/29/2018	01	Big Bear Electric, Inc.	Micro Grid Rough Electrical Lighting	961	\$ 1,980.00
121530	3/29/2018	3/29/2018	01	City Employees Associates	Supervisors Association Dues	032818	\$ 75.00
121531	3/29/2018	3/29/2018	01	Dezurik C/O C.S.-Armsco	Solenoid With Bracket	13411	\$ 1,318.00
121532	3/29/2018	3/29/2018	01	Flyers Energy, Llc	Gasoline	CFS-1578421	\$ 1,135.09
121533	3/29/2018	3/29/2018	01	Hi-Desert Communications	Site Rent	37677	\$ 100.00
121534	3/29/2018	3/29/2018	01	High Desert Lock & Safe	AV Subregional Rekey	0000103454	\$ 800.00
121535	3/29/2018	3/29/2018	01	International Society Of Automation	CCST Lever 3 Exam Review Course	0070481588	\$ 2,380.00
121536	3/29/2018	3/29/2018	01	Luhdorff And Scalmanini Consulting Engin	3 Year Report	33484	\$ 8,092.00
121536	3/29/2018	3/29/2018	01	Luhdorff And Scalmanini Consulting Engin	3 Year Report	33620	\$ 15,318.45
121536	3/29/2018	3/29/2018	01	Luhdorff And Scalmanini Consulting Engin	3 Year Reporting	33628	\$ 1,541.25
121537	3/29/2018	3/29/2018	01	Mojave Desert A.Q.M.D.	Wastewater Permits	MD8732	\$ 1,356.16

**Victor Valley Reclamation Authority  
Cash Disbursement Register  
From 3/1/18 through 3/31/18**

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Invoice Number	Check Amount
121538	3/29/2018	3/29/2018	01	No Drugs America	Donation No Drugs America Day	2350	\$ 400.00
121539	3/29/2018	3/29/2018	01	Orkin	Pest Control	168143667	\$ 381.53
121540	3/29/2018	3/29/2018	01	Prudential Overall Supply	Maint & Ops Uniform Service	22583457	\$ 416.06
121540	3/29/2018	3/29/2018	01	Prudential Overall Supply	Uniform Service	22576272	\$ 416.06
121540	3/29/2018	3/29/2018	01	Prudential Overall Supply	Uniform Service	22579860	\$ 416.06
121541	3/29/2018	3/29/2018	01	Quill Corporation	Office Supplies	5451141	\$ 79.45
121541	3/29/2018	3/29/2018	01	Quill Corporation	Office Supplies	5468288	\$ 503.99
121542	3/29/2018	3/29/2018	01	Quincy Compressor	Compressor Intercooler	887386	\$ 480.05
121543	3/29/2018	3/29/2018	01	Roto-Rooter Plumbers	Rebuild Sloan Valve	A30818017	\$ 792.66
121544	3/29/2018	3/29/2018	01	Scott Equipment, Inc	Wear Pads Tax Shipping	E17335	\$ 130.91
121545	3/29/2018	3/29/2018	01	S.P.S. Engineering, Inc.	Parts Shipping Tax	A10205-18	\$ 4,174.84
121546	3/29/2018	3/29/2018	01	Tesco Controls Inc	Otoe VFD Upgrades	0064256-IN	\$ 5,800.00
121547	3/29/2018	3/29/2018	01	Verizon Wireless	Wireless Telephone	9803492963	\$ 1,711.82
121547	3/29/2018	3/29/2018	01	Verizon Wireless	Wireless Telephone Charges	9803492964	\$ 167.54
121548	3/29/2018	3/29/2018	01	City Of Victorville / Sanitation	Trash Service	2884914	\$ 6,479.13
121549	3/29/2018	3/29/2018	01	Yellow Pages Unied	Directory Listing	4062543	\$ 792.00
<b>Total Checks</b>							<b>209,746.46</b>
91000018924941	3/8/2018	3/8/2018	01	Lincoln Financial Group	Life and Disability Insurance	3627894078	\$ 3,275.83
91000018924941	3/8/2018	3/8/2018	01	Lincoln Financial Group	Life and Disability Insurance	3627894976	\$ 100.66
83977752890869	3/28/2018	3/28/2018	01	Southern California Edison	AV Subregional Electricity- Otoe	031318	\$ 5,772.67
83950027690865	3/28/2018	3/28/2018	01	Southern California Edison	Hesperia Subregional Electricity- Fresno	3132018	\$ 223.12
83950026110869	3/28/2018	3/28/2018	01	Southern California Edison	Hesperia Subregional Electricity- Appaloos	03132018	\$ 6,353.47
800424	3/28/2018	3/28/2018	01	Konica Minolta Business Solutions	Big Printer Lease	31563291	\$ 351.02
800424	3/28/2018	3/28/2018	01	Konica Minolta Business Solutions	Individual Printer Lease	31591754	\$ 662.95
3733832	3/8/2018	3/8/2018	01	Keagy, Chieko	GFOA Mileage Reimbursement	022818	\$ 57.77
3733831-9	3/8/2018	3/8/2018	01	Industrial Solution Services, Inc	Urea Solution	17217	\$ 1,945.51
3733831-8	3/8/2018	3/8/2018	01	Grainger	Maintenance Tools	9713992247	\$ 445.65
3733831-8	3/8/2018	3/8/2018	01	Grainger	Mobile Grease	9686777765	\$ 566.77
3733831-8	3/8/2018	3/8/2018	01	Grainger	Safety Glasses	9705238245	\$ 116.75
3733831-8	3/8/2018	3/8/2018	01	Grainger	Safety Glasses	9707044674	\$ 83.40
3733831-8	3/8/2018	3/8/2018	01	Grainger	Traffic Cone	9698240896	\$ 249.33
3733831-8	3/8/2018	3/8/2018	01	Grainger	Web Sling	9702356057	\$ 46.70
3733831-7	3/8/2018	3/8/2018	01	Gierlich Mitchell, Inc.	Stator amd Freight	15162	\$ 1,424.06
3733831-6	3/8/2018	3/8/2018	01	Ehs International Inc.	Hazwoper Refresher	3-17027	\$ 1,950.00
3733831-6	3/8/2018	3/8/2018	01	Ehs International Inc.	Hazwoper Refresher	3-17028	\$ 1,950.00
3733831-5	3/8/2018	3/8/2018	01	Crane Pro Services	Quarterly Crane Inspection Annual Amount	SBD001019881	\$ 1,480.00
3733831-4	3/8/2018	3/8/2018	01	Biogas Engineering	CEC Battery Installation	2017-69	\$ 3,576.45
3733831-3	3/8/2018	3/8/2018	01	Biogas Power Systems- Mojave, Lic	Biogas Project	VVWRA-18-03	\$ 64,119.27
3733831-20	3/8/2018	3/8/2018	01	Vision Internet Providers	Monthly Web Hosting Fee	36314	\$ 243.10
3733831-2	3/8/2018	3/8/2018	01	Adjusters International, Inc.	DHS/OIG	VVWRA01-02	\$ 512.50
3733831-19	3/8/2018	3/8/2018	01	U.S. Bank	Cal Card Charges January 2018	01222018	\$ 4,216.45
3733831-18	3/8/2018	3/8/2018	01	U.S.A. Bluebook	Handle Dripper	506239	\$ 1,372.41
3733831-17	3/8/2018	3/8/2018	01	Trimax Systems	GE Fanuc 90-30 PLC programming	109073	\$ 1,600.00
3733831-16	3/8/2018	3/8/2018	01	T-Mobile	Wireless Charges	031318	\$ 26.12
3733831-15	3/8/2018	3/8/2018	01	Siemens Industry Inc.	Verifactor Calibration Certification by Sier	5602269138	\$ 1,775.72
3733831-14	3/8/2018	3/8/2018	09	Michael Baker International	Stormwater Containment System	1005783	\$ 645.00
3733831-13	3/8/2018	3/8/2018	01	Quinn Company	Dump Truck Rental	04811201	\$ 2,132.86
3733831-12	3/8/2018	3/8/2018	01	Protection One	Protection One	121320404	\$ 776.54
3733831-11	3/8/2018	3/8/2018	01	Principal Life Ins. Co.	Principal Service	020118	\$ 2,991.00
3733831-10	3/8/2018	3/8/2018	09	W.M. Lyles	Hesperia Subregional Construcion	34-C101	\$ 66,163.57
3733831-10	3/8/2018	3/8/2018	09	W.M. Lyles	Subregional Construction	35	\$ 144,674.28
3733831-1	3/8/2018	3/8/2018	01	2G Energy Inc.	Dcoock and Retune	415-081800090	\$ 14,016.94
3733831-1	3/8/2018	3/8/2018	01	2G Energy Inc.	Sensidyne Gas Alert	415-081800074	\$ 4,461.72
3733831-1	3/8/2018	3/8/2018	01	2G Energy Inc.	Service Labor	415-081800073	\$ 4,425.68
3706204-2	3/1/2018	3/1/2018	09	W.M. Lyles	AV Subregional Construction	34	\$ 421,252.55
3706204-1	3/1/2018	3/1/2018	09	Carollo Engineers, A Professional Corporat	Desert Knoll Wash Interceptor	0162895	\$ 17,668.00
3706204-1	3/1/2018	3/1/2018	09	Carollo Engineers, A Professional Corporat	Subregional Engineering Services	0162700	\$ 40,663.57
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV195352	\$ 86.75
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV273312	\$ 86.75
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV316166	\$ 86.75
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV357045	\$ 86.75
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV398713	\$ 86.75
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV445236	\$ 86.75
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV495066	\$ 14.52
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV495072	\$ 66.98
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV551663	\$ 81.50
3705810-9	3/1/2018	3/1/2018	01	Wageworks, Inc	FSA Monthly Spending	INV159470	\$ 86.75
3705810-8	3/1/2018	3/1/2018	09	Michael Baker International	Stormwater Containment System	1003593	\$ 430.00
3705810-7	3/1/2018	3/1/2018	01	Protection One	Hesperia Subregional Monitoring- Fresno	121122841	\$ 492.43
3705810-6	3/1/2018	3/1/2018	01	Grainger	Consumables	9692025399	\$ 522.59
3705810-6	3/1/2018	3/1/2018	01	Grainger	Knee Pads	9702581472	\$ 39.31
3705810-6	3/1/2018	3/1/2018	01	Grainger	Marking Paint	9693469792	\$ 37.89
3705810-6	3/1/2018	3/1/2018	01	Grainger	WebSling	9702653131	\$ 49.92
3705810-5	3/1/2018	3/1/2018	01	Cdw Government, Inc	APC UPS Part & Network Trancievers part	LRJ8872	\$ 4,300.11
3705810-4	3/1/2018	3/1/2018	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	96904020	\$ 734.35
3705810-3	3/1/2018	3/1/2018	01	American Organics	Disposal of Biosolids Land App	022518-BIOSOLIDS	\$ 2,551.84
3705810-2	3/1/2018	3/1/2018	01	American Express	American Express Charges January 2018	01282018	\$ 3,694.16
3705810-1	3/1/2018	3/1/2018	01	A.D.S. Corp.	Flow Monitoring	12928.22-0218	\$ 8,333.28
3705804	3/1/2018	3/1/2018	01	David Wylie	Job Fair Expense Reimbursement	02232018	\$ 41.43
33511249	3/28/2018	3/28/2018	01	Hesperia Water District	Hesperia Subregional Water Usage- Fresno	03192018	\$ 703.94
33511217	3/28/2018	3/28/2018	01	Hesperia Water District	Hesperia Subregional Water Usage	03062018	\$ 1,409.27
3272018SWG	3/28/2018	3/28/2018	01	Southwest Gas Company	AV Subregional Natural Gas- Otoe	31318	\$ 298.61
32718SWG	3/28/2018	3/28/2018	01	Southwest Gas Company	Hesperia Subregional Natural Gas- Fresno	03122018	\$ 26.44
2341110	3/28/2018	3/28/2018	09	State Water Resources Control Board	11 MGD SRF Loan	02262018	\$ 579,869.96
2286344	3/9/2018	3/9/2018	01	Swrcb	SWRCB Permit Index No. 325716	SW-0147947	\$ 526.00
03272018SWG	3/28/2018	3/28/2018	01	Southwest Gas Company	Hesperia Subregional Natural Gas- Appaloos	031218	\$ 156.77
032718UPS	3/28/2018	3/28/2018	01	Ups	Express Shipping	0000615V7V108	\$ 227.47



**Victor Valley Reclamation Authority  
Cash Disbursement Register  
From 3/1/18 through 3/31/18**

Check Number	Check Date	Effective Date	Fund Code	Vendor Name	Transaction Description	Invoice Number	Check Amount
032718UPS	3/28/2018	3/28/2018	01	Ups	Express Shipping	0000615V7V118	\$ 107.49
032718UPS	3/28/2018	3/28/2018	01	Ups	Express Shipping	0000615V7V128	\$ 37.67
032718SWG	3/28/2018	3/28/2018	01	Southwest Gas Company	AV Subregional Natural Gas- Otoe	03142018	\$ 1,179.13
032718CHAR	3/28/2018	3/28/2018	01	Charter Communications	Telephone Charges	03072018	\$ 4,846.92
030818UPS	3/9/2018	3/9/2018	01	Ups	Express Shipping	0000615V7V078	\$ 75.86
030818UPS	3/9/2018	3/9/2018	01	Ups	Express Shipping	0000615V7V098	\$ 314.19
030818SWG	3/8/2018	3/8/2018	01	Southwest Gas Company	Natural Gas	02232018	\$ 510.37
0017307	3/29/2018	3/29/2018	01	Keagy, Chicko	Keagy Education Reimbursement Winter	032818	\$ 4,780.51
0017306-9	3/29/2018	3/29/2018	09	Carollo Engineers, A Professional Corporat	Desert Knoll Wash Interceptor	0163944	\$ 16,022.00
0017306-8	3/29/2018	3/29/2018	01	Brenntag Pacific, Inc	Ferric	BP1818589	\$ 5,390.72
0017306-8	3/29/2018	3/29/2018	01	Brenntag Pacific, Inc	Ferric Chloride	BP1813713	\$ 5,363.30
0017306-7	3/29/2018	3/29/2018	01	Black Box Corporation Of Pennsylvania	Ethernet Switch	IN0593560	\$ 3,026.27
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	Contract Review	816883	\$ 4,788.00
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	Evaluation of Victorville Project	816884	\$ 7,424.30
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	General Eminent Domain Matters	816885	\$ 33.00
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	General Retainer	816879	\$ 11,351.78
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	Labor Matters	816880	\$ 1,776.25
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	Lahontan Regional Water Quality Control E	816886	\$ 409.50
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	Projects	816881	\$ 324.49
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	Public Contract Drafting	816882	\$ 3,125.00
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	Rate and Charges Analysis	816887	\$ 756.00
0017306-6	3/29/2018	3/29/2018	01	Best, Best & Krieger, L.L.P.	State Revolving Fund Loans	816888	\$ 252.00
0017306-5	3/29/2018	3/29/2018	01	Solenis Llc	Polymer Delivery	131281008	\$ 7,599.82
0017306-4	3/29/2018	3/29/2018	01	Applied Maintenance Supplies & Solution	Maintenance Consumables	96912379	\$ 973.64
0017306-3	3/29/2018	3/29/2018	01	American Organics	Biosolids Disposal	031818-BIOSOLIDS	\$ 14,324.88
0017306-3	3/29/2018	3/29/2018	01	American Organics	Biosolids Disposal	4730655	\$ 2,551.84
0017306-25	3/29/2018	3/29/2018	01	Waukesha-Pearce Industries, Llc	Crank Rebuild	430781	\$ 15,645.49
0017306-25	3/29/2018	3/29/2018	01	Waukesha-Pearce Industries, Llc	Replace Crankshaft	427132	\$ 28,083.52
0017306-24	3/29/2018	3/29/2018	01	Victor Valley Wastewater Employees Assoc	Employee Association Dues	03282018	\$ 825.00
0017306-23	3/29/2018	3/29/2018	01	U.S.A. Bluebook	Lab Supplies	507030	\$ 896.16
0017306-22	3/29/2018	3/29/2018	07	Quinn Company	Rental	E7002409	\$ 12,592.45
0017306-22	3/29/2018	3/29/2018	07	Quinn Company	Rental	E7002410	\$ 800.00
0017306-21	3/29/2018	3/29/2018	01	Mc Master-Carr Supply Co.	Space-Saver	58514161	\$ 4,531.28
0017306-20	3/29/2018	3/29/2018	01	Mcgrath Renicorp	Admin Office Lease	1577181	\$ 3,995.37
0017306-2	3/29/2018	3/29/2018	01	American Express	American Express Charges February 2018	02282018	\$ 6,257.44
0017306-19	3/29/2018	3/29/2018	01	Larry Walker Associates	2017 Local Limits Update	00054.47-3	\$ 1,680.00
0017306-19	3/29/2018	3/29/2018	01	Larry Walker Associates	NPDES Permit Renewal	00054.45-5	\$ 5,655.00
0017306-19	3/29/2018	3/29/2018	01	Larry Walker Associates	VVWRA Annual Reports	00054.49-3	\$ 6,191.25
0017306-18	3/29/2018	3/29/2018	01	Innerline Engineering	Otoe PS Wet Well Cleaning	170392	\$ 4,383.00
0017306-18	3/29/2018	3/29/2018	01	Innerline Engineering	Plant Storm Draining	170393	\$ 1,860.00
0017306-18	3/29/2018	3/29/2018	01	Innerline Engineering	Septage Eq Cleaning	170394	\$ 4,828.25
0017306-17	3/29/2018	3/29/2018	01	Ilink Business Management	Janitorial Services	152	\$ 2,569.76
0017306-16	3/29/2018	3/29/2018	01	Hach Company	Equipment	10883202	\$ 5,165.54
0017306-16	3/29/2018	3/29/2018	01	Hach Company	Equipment Tax Shipping	10877389	\$ 11,809.25
0017306-16	3/29/2018	3/29/2018	01	Hach Company	Wipers LZK050, Tax, Freight	10881115	\$ 892.52
0017306-15	3/29/2018	3/29/2018	01	Grainger	Diaphragm Pump	9713992254	\$ 576.96
0017306-15	3/29/2018	3/29/2018	01	Grainger	SCBA Wall	9720526848	\$ 348.90
0017306-14	3/29/2018	3/29/2018	01	Graham Equipment	Construction Rock	015139	\$ 767.18
0017306-14	3/29/2018	3/29/2018	01	Graham Equipment	Construction Rock	015140	\$ 767.18
0017306-13	3/29/2018	3/29/2018	01	E.S. Babcock & Sons, Inc.	Lab Testing February 2018	022818	\$ 17,080.00
0017306-12	3/29/2018	3/29/2018	01	D.K.F. Solutions Inc.	MSO Subscription	13763	\$ 350.00
0017306-11	3/29/2018	3/29/2018	01	Diamond Environmental Services	Restroom Rental	0001371624	\$ 262.39
0017306-10	3/29/2018	3/29/2018	01	Culligan Water Conditioning	Water Softener	201803041401	\$ 470.00
0017306-1	3/29/2018	3/29/2018	01	2G Energy Inc.	2G Parts	415-01800018	\$ 8,586.71
0017306-1	3/29/2018	3/29/2018	01	2G Energy Inc.	Grundfos Pump	415-081800056	\$ 5,993.33
0017157-9	3/26/2018	3/26/2018	01	Olin Keniston	Retiree Health Benefit Allowance	KENI032318	\$ 249.30
0017157-8	3/26/2018	3/26/2018	01	Patricia J Johnson	Retiree Health Benefit Allowance	JOHN032318	\$ 183.34
0017157-7	3/26/2018	3/26/2018	01	Thomas Hinojosa	Retiree Health Benefit Allowance	HINO032318	\$ 438.00
0017157-6	3/26/2018	3/26/2018	01	Andrew Gyurcsik	Retiree Health Benefit Allowance	GYUR032318	\$ 438.00
0017157-5	3/26/2018	3/26/2018	01	Gillette, Randy	Retiree Health Benefit Allowance	GILL032318	\$ 438.00
0017157-4	3/26/2018	3/26/2018	01	Terrie Gossard Flint	Retiree Health Benefit Allowance	FLIN032318	\$ 249.30
0017157-3	3/26/2018	3/26/2018	01	Tim Davis	Retiree Health Benefit Allowance	DAVI032318	\$ 438.00
0017157-2	3/26/2018	3/26/2018	01	Roy Dagnino	Retiree Health Benefit Allowance	DAGI032318	\$ 438.00
0017157-14	3/26/2018	3/26/2018	01	Nave, Patrick	Retiree Health Benefit Allowance	NAVE032318	\$ 438.00
0017157-13	3/26/2018	3/26/2018	01	L. Christina Nalian	Retiree Health Benefit Allowance	NALI032318	\$ 438.00
0017157-12	3/26/2018	3/26/2018	01	Lillie Montgomery	Retiree Health Benefit Allowance	MONT032318	\$ 438.00
0017157-11	3/26/2018	3/26/2018	01	Mark Mcgee	Retiree Health Benefit Allowance	MCGE032318	\$ 438.00
0017157-10	3/26/2018	3/26/2018	01	Randy Main	Retiree Health Benefit Allowance	MAIN032318	\$ 438.00
0017157-1	3/26/2018	3/26/2018	01	Billings, Richard	Retiree Health Benefit Allowance	BILL032318	\$ 438.00
0017153-1	3/26/2018	3/26/2018	09	W.M. Lyles	Subregional Construction	35-C103	\$ 227,145.25
0016994-2	3/20/2018	3/20/2018	09	Carollo Engineers, A Professional Corporat	Subregional ESDC	0163721	\$ 31,482.50
0016994-1	3/20/2018	3/20/2018	01	Biogas Engineering	CEC Battery Installation	2017-78	\$ 907.20
0016994-1	3/20/2018	3/20/2018	01	Biogas Engineering	CEC Battery Installation	2017-89	\$ 2,721.60
<b>Total ACH &amp; EFT</b>							<b>1,948,550.76</b>

<b>Total Checks</b>	<b>209,746.46</b>
<b>Total ACH and EFT</b>	<b>1,948,550.76</b>
<b>Total Payroll - March 2018</b>	<b>352,392.36</b>
<b>Total</b>	<b>2,510,689.58</b>

APPROVED

**MINUTES OF A REGULAR MEETING  
REGULAR MEETING OF THE BOARD OF COMMISSIONERS  
VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY (VWVRA)  
March 15, 2018**

**CALL TO ORDER:** Chair Larry Bird called the meeting to order at 8:05 am; in Conference Room D at Victorville City Hall, located at 14343 Civic Drive, Victorville California, with the following members present:

<b>CITY OF HESPERIA</b>	<b>Larry Bird, Alternate</b>
<b>ORO GRANDE (CSA 42) AND</b>	<b>ABSENT</b>
<b>SPRING VALLEY LAKE (CSA 64)</b>	
<b>TOWN OF APPLE VALLEY</b>	<b>Scott Nassif, Secretary</b>
<b>CITY OF VICTORVILLE</b>	<b>Jim Kennedy, Treasurer</b>

**VWVRA Staff and Legal Counsel:**

<b>Logan Olds, General Manager</b>	<b>Latif Laari, Business Applications Manager</b>
<b>Kristi Casteel, Secretary to GM/Board</b>	<b>Xiewi Wang, Senior Accountant</b>
<b>Piero Dallarda, Legal Counsel (BB&amp;K)</b>	<b>Brad Adams, Lead Operator</b>
<b>Chieko Keagy, Controller</b>	<b>Travis Prine, Operator</b>
<b>Eugene Davis, O&amp;M Manager</b>	<b>Krystal Lu, Intern</b>
<b>David Wylie, Safety &amp; Communications Officer</b>	

**Others Present:**

<b>Nils Bentsen, City of Hesperia</b>	<b>Lori Lamson, Town of Apple Valley</b>
<b>Keith Metzler, City of Victorville</b>	<b>Brian Gengler, City of Victorville</b>
<b>Greg Snyder, Town of Apple Valley</b>	<b>Blanca Gomez, City of Victorville</b>
<b>Carl Coleman, Mojave Water</b>	<b>George Harris, City of Victorville</b>
<b>Jim Cox, City of Victorville</b>	

**CLOSED SESSION**

**PUBLIC COMMENTS- CLOSED SESSION AGENDA**

Chair Bird asked if there were any comments from the public regarding any item on the Closed Session Agenda. Hearing none, he called for a motion to enter into Closed Session.

Commissioner Nassif made a motion to enter into Closed Session.

**REGULAR SESSION**

**CALL TO ORDER & PLEDGE OF ALLEGIANCE**

Chair Bird called the meeting to order at 8:50 am.

**REPORT FROM CLOSED SESSION**

Nothing to report

**PUBLIC COMMENTS- REGULAR SESSION AGENDA**

**ANNOUNCEMENTS AND CORRESPONDENCE:**

**6. Possible conflict of interest issues**

Commissioner Nassif abstained from any disbursements to Napa Auto Parts.

**7. Article: OC Agencies set Guinness World Record Title for Most Wastewater Recycled into Drinking Water in 24 Hours**

**8. Staff Introductions- New Hire**

Manager Olds introduced Operator Travis Prine.

**CONSENT CALENDAR:**

**9. Approve February 2018 Disbursement Registers**

Commissioner Nassif abstained from any disbursements to Napa Auto Parts.

**10. Approve Minutes from the February 15, 2018 Regular Meeting**

**11. Recommendation to Ratify Low Voltage Power Emergency Purchases**

Commissioner Kennedy made a motion to approve the consent calendar, seconded by Commissioner Nassif and approved by roll call vote with Commissioner Nassif abstaining from any disbursements to Napa Auto Parts.

Chair Bird: Yes

Commissioner Nassif: Yes

Commissioner Kennedy: Yes

**ACTION & DISCUSSION ITEMS:**

**12. Request Permission to Enter Into a Maintenance Service Agreement With Wastewater Solids Management**

Manager Olds stated that this is the next step in recommissioning digesters one through three. Staff has drained what they could from the digesters but the remaining material is too thick for VVWRA's equipment.

Commissioner Kennedy made a motion to approve the recommendation, seconded by Commissioner Nassif and approved by roll call.

Chair Bird: Yes

Commissioner Nassif: Yes

Commissioner Kennedy: Yes

**13. Spring Valley Lake CSD Exploratory Group**

Tabled

**14. Recommendation to Request Additional Funding For the Professional Services of Dr. Almgren to Perform an Analysis of the Financial Impact of Flow Diversion**

Manager Olds stated that Dr. Almgren was retained to look at the financial impact of the flow diversion. Initially, \$10,000.00 was budgeted not knowing what the full price would be. He has submitted an invoice and staff is requesting approval to pay the invoice.

Piero stated that there is a draft report that is ready to be presented to the member entities. Justice King told the member entities that it typically costs \$35,000 to \$40,000 for this type of analysis. The Board requested that staff come back after the first \$10,000.00.

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Bird and approved by roll call.

Chair Bird: Yes

Commissioner Nassif: Yes

Commissioner Kennedy: No

**15. Recommendation to Approve Resolution 2018-02: To Amend Billing Percentages and Approve Flow Billing Adjustments Relating to the Flow Monitoring Results as Measured by ADS Environmental Services, Inc.**

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Kennedy and approved by roll call.

Chair Bird: Yes

Commissioner Nassif: Yes

Commissioner Kennedy: Yes

Manager Olds stated that items 16-18 have been reviewed by the Engineering Committee/

**16. Recommendation to Approve Change Order No. 7 For the Hesperia Subregional**

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Bird and approved by roll call.

Chair Bird: Yes

Commissioner Nassif: Yes

Commissioner Kennedy: Yes

**17. Recommendation to Approve Change Order No. 8 For the Apple Valley Subregional**

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Bird and approved by roll call.

Chair Bird: Yes

Commissioner Nassif: Yes

Commissioner Kennedy: Yes

**18. Recommendation to Approve Amended MWH Contract**

Commissioner Nassif made a motion to approve the recommendation, seconded by Commissioner Kennedy and approved by roll call.

Chair Bird: Yes

Commissioner Nassif: Yes

Commissioner Kennedy: Yes

**STAFF/PROFESSIONAL SERVICES REPORTS:**

19. **Financial and Investment Report – February 2018**
20. **Operations & Maintenance Report – February 2018**
21. **Environmental Compliance Department Reports – February 2018**
22. **Septage Receiving Facility Reports – February 2018**
23. **Safety & Communications Report – February 2018**

**NEXT VVWRA BOARD MEETING:**

**Thursday, April 19, 2018 – Regular Meeting of the Board of Commissioners is cancelled**

Commissioner Nassif made a motion to continue this meeting to the first Thursday in April-April 5, 2018 for the same time seconded by Commissioner Kennedy and approved by roll call.

Chair Bird: Yes

Commissioner Nassif: Yes

Commissioner Kennedy: Yes

**FUTURE AGENDA ITEMS**

**Leave Policy**

**COMMISSIONER COMMENTS**

**ADJOURNMENT**

**APPROVAL:**

DATE: May 17, 2018  
Approved by VVWRA Board

BY: \_\_\_\_\_  
Scott Nassif, Secretary  
VVWRA Board of Commissioners



**VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY**  
**Report/Recommendation to the Board of Commissioners**

May 17, 2018

**FROM:** Chicko Keagy, Controller *CK*

**TO:** Logan Olds, General Manager

**SUBJECT:** Low Voltage Power and Failure of Standby Generators 1 and 2

**RECOMMENDATION**

Per Board direction in response to two low voltage power failure emergencies in May of 2017, which damaged standby generators 1 and 2, staff is bringing new expenses before the Board for ratification in the amount of \$41,222.45 that incurred during February and March of 2018.

**REVIEW BY OTHERS**

This recommendation was reviewed by Piero Dallarda, Legal Counsel.

**BACKGROUND INFORMATION**

Please review the attached invoices for the expenses incurred during February and March. The attachment also shows the expenses incurred to date, \$550,697.07. The repair work on the generator has been completed on March 12, 2018.

**FINANCIAL IMPACT** Finance Approval:

Fund 01 or 07		Fund 09	
Accounting Code (String) example: 01-xx-xxx-xxxx (project code if any)	01-02-545-6010 and 01-02-80-6000 From FY 2018 budget	Accounting Code (String) example: 09-xx-xxx-xxxx (mandatory project code)	
Transfer Needed due to Insufficient Budget	Y [ ]    N [ X ]	Transfer Needed due to Insufficient Budget	Y [ ]    N [ ]
If Transfer, from Which Account String or Reserve		If Transfer, from Which Account String or Reserve	
Budgeted Amount Where Money Comes from	\$ 0.00	Budgeted Amount Where Money Comes from	
Budget Remaining after the Recommendation		Budget Remaining after the Recommendation	
Outside Funding Source if applicable	\$	Outside Funding Source	\$
Original Contract Amount	\$ 0.00	Original Contract Amount	\$
Change Order	Y [ ]    N [ ]	Change Order	Y [ ]    N [ ]
Contract after Change	\$550,697.07	Contract after Change	\$

**RELATED IMPACTS**

The staff will report progress toward resolving the damages caused by the low voltage power to equipment and ensure that backup power is available in the future if both standby generators are damaged.



**E005 Emergency Expenses  
As of 2/28/2018**

**Previous Expenses**

Document Number	Document Date	Document Description	Posted Amount	ID	Fund	Account
05222017	5/22/17	Cal Card Charges May 2017	\$ 113.46	USBA000	01	8060
JE054217	6/1/17	Reclass BIGB000 567	\$ 720.00		01	6035
05222017	5/22/17	Cal Card Charges May 2017	\$ 246.72	USBA000	01	8060
17-0042	5/18/17	Emergency Labor for Backwash pumps/Gen hookup	\$ 617.52	DAVI003	01	6035
17-0043	5/18/17	Emergency Labor for Backwash pumps/Gen hookup	\$ 1,075.33	DAVI003	01	6035
05222017	5/22/17	Cal Card Charges May 2017	\$ 162.69	USBA000	01	8060
M00963	5/18/17	Troubleshoot Generator not Producing Volage	\$ 7,776.55	VALL002	07	6000
108799	5/25/17	Emergency Service Call	\$ 5,655.69	TRIM000	01	6035
JE053417	5/31/17	Reclass PACI004 I413398 and I413400	\$ 1,981.96		01	7350
58225	5/24/17	Lucky Chaney	\$ 1,129.44	MORR000	01	6035
589	5/30/17	Emergency Labor	\$ 720.00	BIGB000	01	6035
3005139-0001	6/2/17	Generator 1000KW	\$ 4,457.60	JOHN009	07	6000
JE070217	7/12/17	Reclass JOHN009 3005139-0001	\$ 14,181.25		01	6000
JE063417	6/28/17	Reclass VALL002 B38543	\$ 48,378.54		01	6000
6441-538695	6/13/17	VFD Board for Sludge Lagoon Transfer Pump	\$ 3,384.60	ROYA000	01	6015
B38493	5/4/17	Troubleshoot Generator Failure	\$ 2,163.44	VALL002	07	6010
JE061817	6/22/17	Reclass ROYA000 6441-538695	\$ 257.91		01	6015
CI0011822	6/22/17	Emergency Parts	\$ 1,902.03	DRAK000	01	6035
JE061917	6/22/17	Reclass PACI004 I413399	\$ 6,660.03		01	7350
S-7483	6/28/17	Unstable Unit	\$ 2,515.15	ABAC000	07	6010
0039942-IN	7/11/17	Generator Docking Station	\$ 17,538.07	ESLP000	07	6000
3005139-0002	6/30/17	Emergency Generator	\$ 11,181.25	JOHN009	07	6000
501302763	6/30/17	Emergency Service Commission	\$ 20,950.00	GEIN001	01	6035
JE064817	6/30/17	Reclass VALL002 B38493	\$ 10,367.50		01	6000
501330500	7/25/17	Main Switchboard Modifications	\$ 75,490.90	GEIN002	01	6000
205767	8/30/17	Emergency Service Used Gen BKR & Troubleshooting	\$ 28,739.08	GEIN002	01	6010
695	8/10/17	Otoe Pump Station Door Switch Failure	\$ 760.00	BIGB000	01	6035
B38953	8/23/17	Emergency Gen Service	\$ 2,850.00	VALL002	01	6010
E7002401	7/27/17	Generator Rental	\$ 12,592.45	QUIN002	07	6000
E7002402	8/24/17	Emergency Generator Rental	\$ 12,592.45	QUIN002	07	6000
M01173	7/29/17	Generator 1 Testing	\$ 11,320.25	VALL002	07	6010
E7002403	9/21/17	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	6000
e7002404	10/19/17	Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
501445789	10/30/17	PSG Startup Field Service	\$ 16,351.06	GEIN001	01	6035
17-0175	8/22/17	E005 Generator Termination Cabinet	\$ 109,087.00	DAVI003	01	6060 (42,762.00) 6035 (66,325.00)
E7002405	11/16/2017	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
E7002406	12/14/2017	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
E7002407	1/11/2018	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
E700024	2/8/2018	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
			<b>\$ 508,474.62</b>			

**New E005 Expenses**

Document Number	Document Date	Document Description	Posted Amount	ID	Fund	Account
E7002409	3/8/2018	E005 Emergency Generator Rental	\$ 12,592.45	QUIN002	07	7265
E7002410	3/14/2018	E005 Emergency Generator Rental	\$ 800.00	QUIN002	07	7265
501628542	3/28/2018	Main Switchboard Modification	\$ 27,830.00	GEIN002	01	6000
			<b>\$ 41,222.45</b>			

**Total E005 Expenses to Date \$ 550,697.07**



10006 Rose Hills Road  
City of Industry, CA 90601  
(662) 463-4000  
www.quinncompany.com

Make : CATERPILLAR INC.  
Model : 1000KW  
Serial No : 0SXC00893  
Equipment No :  
Machine ID No : PR2453      Meter Reading : 8344.0

### SALES/RENTAL INVOICE

**BILL TO :** VICTOR VALLEY WASTEWATER REC  
20111 SHAY RD  
VICTORVILLE, CA 92394

**SHIP TO :** WASTE WATER TREATMENT PLANT  
VICTORVILLE, CA

*Customer Contact:* LOGAN OLDS

*Quinn Sales Representative:* JASON WONDOLLECK

**Quinn Store Location:** RIVERSIDE, 656 E. LA CADENA DR. RIVERSIDE, CA 92507 Ph. 951-683-5960

INVOICE DETAIL		Contract Number: E70024	Contract Date: 07/02/2017	Invoice Date: 03/08/2018	
QTY	DESCRIPTION	DAY	WEEK	4WEEK	PRICE
	Date Out: 06/30/2017 Fri	07:00 AM			

APPROVED TO PAY						
F	LO	CC	ACCT	PROJ	DEBIT	CREDIT
07	02	130	7260	E005	12592.45	
BY		DATE:		PO		

**RECEIVED**  
MAR 20 2018  
BY: *[Signature]*

**Billed for 4 weeks from 2/9/2018 7:00 AM thru 3/9/2018 7:00 AM**

**CUT HERE AND RETURN WITH REMITTANCE**

VICTOR VALLEY WASTEWATER REC  
20111 SHAY RD  
VICTORVILLE, CA 92394

Invoice No. : E7002409  
Invoice Date : 03/08/2018  
Due Date : 04/07/2018

Please send your  
Payment to:

Account Number : 712270L  
Purchase Order No : 14729  
Payment Terms : Net 30 Days  
Contract Number : E70024

Amount Due :	<b>\$12,592.45</b>
Amount Paid	

**QUINN COMPANY**  
PO Box 849665  
Los Angeles, CA 90084-9665

Place this coupon in the return envelope  
with the mailing addresses clearly visible.



10006 Rose Hills Road  
City of Industry, CA 90601  
(662) 463-4000  
www.quinncompany.com

### SALES/RENTAL INVOICE

Make : CATERPILLAR INC.  
Model : 1000KW  
Serial No : 0SXC00893  
Equipment No  
Machine ID No : PR2453      Meter Reading : 8344.0

PLEASE MAKE REMITTANCE TO: <b>QUINN COMPANY</b> P O Box 849885, Los Angeles, CA 90084-9885	
Invoice No.	E7002409
Invoice Date	03/08/2018
Payment Due Date	04/07/2018
<b>Amount Due</b>	<b>\$12,592.45</b>
Payment Terms	Net 30 Days
Credit Memo Amount	
Customer Account No	712270L
Contract No	E70024
<b>Customer PO Number</b>	<b>14729</b>

Please use Remittance Advice on last page of this invoice.

**BILL TO :** VICTOR VALLEY WASTEWATER REC  
\* 20111 SHAY RD  
VICTORVILLE, CA 92394

**SHIP TO :** WASTE WATER TREATMENT PLANT  
VICTORVILLE, CA

MAR 19 2018

Customer Contact: LOGAN OLDS

Quinn Sales Representative: JASON WONDOLLECK

Quinn Store Location: RIVERSIDE, 656 E. LA CADENA DR. RIVERSIDE, CA 92507 Ph. 951-683-5960

INVOICE DETAIL		Contract Number: E70024	Contract Date: 07/02/2017	Invoice Date: 03/08/2018		
QTY	DESCRIPTION	DAY	WEEK	4WEEK	PRICE	
	ALL RENTAL ITEMS ARE TAXABLE LINE ITEMS WITH (T) ARE TAXABLE					
1	ID NO: PR2453 SERIAL NO: 0SXC00893 1000KW GENERATOR - 1000KW  HRS OUT: 8344.0	\$1,120	\$3,360	\$10,080	10,080.00	
32	ID NO: CABLE 50' SERIAL NO: CABLE 50' CABLE 4/0 50' -	\$0	\$0	\$0		

QUINN POWER SYSTEMS APPRECIATES YOUR BUSINESS

**Rental Subtotal: 10,080.00**

#### Miscellaneous Items

1	ENV REC FEE 2(T)				201.60
1	FIRE, THEFT & VANDALISM				1,411.20
	STATE 7.25% COUNTY 0.5% CITY 1% TOTAL TAX: 8.75%				899.65

**Invoice Total: 12,592.45**

Go Paperless. To receive your invoices and statements electronically, please visit our website at quinncompany.com.

**CARB REGULATIONS** Any on-road heavy-duty diesel, alternative-diesel, or off-road diesel vehicle, operated in California, may be subject to the California Air Resources Board In-Use On-Road (Truck and Bus) or In-Use Off-Road Diesel Vehicle Regulations. It therefore could be subject to exhaust retrofit or accelerated turnover requirements to reduce emissions of air pollutants. For more information, please visit the California Air Resources Board websites at <http://www.arb.ca.gov/dieselttruck> for the Truck and Bus Regulation or <http://www.arb.ca.gov/msprog/ordiesel/ordiesel.htm> for the Off-Road Regulation. Portable engines operated in California may require State or local air district permitting. Customer is responsible for any required air quality permits necessary to operate this equipment.

**TITLE** It is understood and agreed that title to and right of possession of any rental item(s) above shall remain vested in the seller until any indebtedness and all sums due or to become due from the customer, whether evidenced by note, book account, judgment or otherwise, shall have been fully paid, at which time ownership shall pass to the customer.

**A FINANCE CHARGE OF 1.5% PER MONTH (18% PER ANNUM)** will be charged on the past due balance. The past due balance represents all charges remaining unpaid on the closing date of the month following the invoice date. In the event of default in the payment of any amount due, and if the account is placed in the hands of any agency or attorney for collection or legal action, the purchaser agrees to pay finance charges equal to the cost of collection (as permitted by laws governing these transactions). When necessary, Quinn will invoke its repairman's lien pursuant to Sections 3051 and 3051a of the California Civil Code. Acceptance by the customer of the parts, service or equipment listed above is the customer's agreement to be bound by the credit and collection terms set forth above.

Bakersfield • City of Industry • Corcoran • Firebaugh • Foothill Ranch • Fresno • Lancaster  
Oxnard • Paso Robles • Pomona • Salinas • Santa Maria • Sylmar • Tulare • Yuma, AZ



10006 Rose Hills Road  
City of Industry, CA 90601  
(562) 463-4000  
www.quinncompany.com

Make : CATERPILLAR INC.  
Model : 1000KW  
Serial No 0SXC00893  
Equipment No  
Machine ID No PR2453 Meter Reading : 8351.0

### SALES/RENTAL INVOICE

**BILL TO :** VICTOR VALLEY WASTEWATER REC  
20111 SHAY RD  
VICTORVILLE, CA 92394

**SHIP TO :** WASTE WATER TREATMENT PLANT  
VICTORVILLE, CA

Customer Contact: LOGAN OLDS

Quinn Sales Representative: JASON WONDOLLECK

Quinn Store Location: RIVERSIDE, 656 E. LA CADENA DR. RIVERSIDE, CA 92507 Ph. 951-683-5960

<b>INVOICE DETAIL</b>	Contract Number: E70024	Contract Date: 07/02/2017	Invoice Date: 03/14/2018
<b>QTY</b>	<b>DESCRIPTION</b>	<b>DAY</b>	<b>WEEK</b>
		<b>4WEEK</b>	<b>PRICE</b>

Date Out: 06/30/2017 Fri 07:00 AM  
Date In: 03/09/2018 Fri 08:13 AM  
Billed From: 03/09/2018 Fri 07:00 AM

APPROVED TO PAY						
F	LO	CC	ACCT	PROJ	DEBIT	CREDIT
07	02	130	7265	F005	800.00	
BY	DATE:		PO			

**RECEIVED**  
MAR 26 2018  
BY: *[Signature]*

CUSTOMER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_ PRINTED NAME \_\_\_\_\_

**CUT HERE AND RETURN WITH REMITTANCE**

VICTOR VALLEY WASTEWATER REC  
20111 SHAY RD  
VICTORVILLE, CA 92394

Invoice No. : E7002410  
Invoice Date : 03/14/2018  
Due Date : 04/13/2018

Please send your  
Payment to:

Account Number : 712270L  
Purchase Order No : 14729  
Payment Terms : Net 30 Days  
Contract Number : E70024

Amount Due : **\$800.00**

Amount Paid :

**QUINN COMPANY**  
PO Box 849665  
Los Angeles, CA 90084-9665

Place this coupon in the return envelope  
with the mailing addresses clearly visible.



**GE ZENITH CONTROLS, INC.**

**Invoice**

Supplier's Office Address: GE ZENITH CONTROLS, INC. 601 Shiloh Road Plano, TX 75074 USA	Sold To: 4567Y02 VICTOR VALLEY WASTEWATER 20111 SHAY ROAD RECLAMATION FACILITY VICTORVILLE, CA 92394 USA	Invoice No: 501628542	Invoice Date: 03-28-2018
		Currency: USD	Invoice Net Due Date: 04-27-2018
		Payment Terms: Net due in 30 days	Delivery Terms: FCA, FCA Origin
		Customer PO No: <del>14814</del> <b>15148</b>	Customer PO Date: 05-22-2017

Ship To: 4567Y02 VICTOR VALLEY WASTEWATER 20111 SHAY ROAD RECLAMATION FACILITY VICTORVILLE, CA 92394 USA	Bill To: 4567Y02 VICTOR VALLEY WASTEWATER 20111 SHAY ROAD RECLAMATION FACILITY VICTORVILLE CA 92394	<p><i>WVWRA</i> <b>APR 10 2018</b></p> <p>Remit To: General Electric Company GE Zenith Controls Inc P.O. BOX 402497 ATLANTA, GA 30384-2497 USA</p> <p>Please reference invoice number when making payment.</p>
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Line No	Product / Service Provided	QTY/UOM	Unit Price	Extended Amount	Tax Amount	Total Amount
GE Reference No: 150899445 Project Name: Y732-2 Victor Valley Water Reclamat Prop No: Y732-2 Ship Via: Road - LTL ALLOW Shipping Note: Mauricio Marin (760)983-1999 mmarin@vwwra.com MARK: TEMP GEN CONFIGURATION-MAIN SWGR						
10	ENTSTARTUP-MOD Y732-2 services-- reconfiguration PO Item: 10	1 EA	27,830.00	27,830.00	0.00	27,830.00

<b>Total</b>	27,830.00
<b>Freight</b>	0.00
<b>Total Tax</b>	0.00
<b>Grand Total</b>	27,830.00

For questions or concerns regarding this invoice, please  
 GE ZENITH CONTROLS, INC.  
 Tel Direct: 1-800-637-1738

APPROVED TO PAY						
F	LO	CC	ACCT	PROJ	DEBIT	CREDIT
01	02	100	6000	E005	27,830.00	

**RECEIVED**  
**APR 24 2018**  
 BY: *[Signature]*

Buyer: Logan Olds-VVWRA  
 (760)246-8638  
 lollds@vwwra.com

Temp Generator Reconfiguration Work  
 Main Generator Switchgear System

Terms and Conditions:  
 The Terms and Conditions for Sale of Products and Services # Form ES104 (Rev4) ("Terms and Conditions#) form an essential part of this invoice and are incorporated herein. An updated copy of the Terms and Conditions is available at <https://www.geempower.com>. Any additional or different terms or conditions proposed by you (in your order or otherwise) have been expressly objected to by our order confirmation and your acceptance of delivery had confirmed your acceptance of the Terms and Conditions. As confirmed in the corresponding order confirmation, your order was carried out in accordance with the provisions of the Terms and Conditions.

OK TO PAY PER  
 Mauricio M.



**VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY**  
**Report/Recommendation to the Board of Commissioners**

May 17, 2018

**FROM:** Chieko Keagy, Controller  
**TO:** Logan Olds, General Manager  
**SUBJECT:** Retention of Dr. Almgren to Assist with Resolution of Mediation Issues

**RECOMMENDATION**

It is recommended that the Board of Commissioners authorize the General Manager to increase the professional services of Dr. Almgren for tasks associated with resolving issues related to the current mediation between parties in an amount not to exceed \$8,000.00, eight thousand dollars.

**REVIEW BY OTHERS**

This recommendation was reviewed by Piero Dallarda, Legal Counsel.

**BACKGROUND INFORMATION**

Justice King indicated that all parties involved in the mediation proceedings agreed to the retention of Dr. Almgren to assist in the resolution of issues associated with the mediation. The Board approved the professional service agreement with Dr. Almgren on December 21, 2017 with the initial amount of \$10,000.00 that was revised to \$35,000.00 on March 15, 2018. After paying his first invoice of \$32,788.19, we have a remaining authorized amount of \$2,211.81. We now received his second invoice for \$10,043.00. Justice King informed Dr. Almgren there seemed to be no further work needed after this second invoice. Staff recommends we revise the professional service amount to not-exceeding \$43,000.00, thus increasing the existing purchase order by \$8,000.00.

**FINANCIAL IMPACT**

Finance Approval:

<b>Fund 01 or 07</b>	
Accounting Code (String) example: 01-xx-xxx-xxxx (project code if any)	01-02-300-8175
Transfer Needed due to Insufficient Budget	Y [ ]    N [ ]
If Transfer, from Which Account String or Reserve	
Budgeted Amount Where Money Comes from	\$10,000.00
Budget Remaining after the Recommendation	0
Outside Funding Source if applicable	\$

<b>Fund 09</b>	
Accounting Code (String) example: 09-xx-xxx-xxxx ( <u>mandatory</u> project code)	
Transfer Needed due to Insufficient Budget	Y [ ]    N [ ]
If Transfer, from Which Account String or Reserve	
Budgeted Amount Where Money Comes from	
Budget Remaining after the Recommendation	
Outside Funding Source	\$

Original Contract Amount	\$
Change Order	Y[ ] N[ ]
Contract after Change	\$43,000.00

Original Contract Amount	\$
Change Order	Y[ ] N[ ]
Contract after Change	\$

**HOWARD ALMGREN, Ph.D., P.E.**  
**CIVIL ENGINEER**

8583 Aero Drive, No. 1047  
San Diego, California 92123

cell: 760-305-2522  
e-mail: halmgren@hotmail.com

INVOICE

April 23, 2018

Victor Valley Wastewater Reclamation Authority  
20111 Shay Road  
Victorville, California 92394

Re: JAMS REF# 1220054043 Victor Valley Wastewater Reclamation Authority

Invoice No. 2 – February 18, 2018 to April 23, 2018

Scope of Services:

Requested and researched documents.  
Prepared Draft Report No. 2, Spreadsheet #7-4 and Spreadsheet #9 for Justice Jeffrey King.

Mediation Meeting with Justice Jeffrey King on March 22<sup>nd</sup>.

Professional Services 33.0 hours at \$300.00/hour	\$9,900.00
Expenses per attached accounting	\$143.00
<b>AMOUNT DUE – THIS INVOICE</b>	<b><u>\$10,043.00</u></b>



Howard Almgren, Ph.D., P.E.  
Civil Engineer  
760-305-2522

JAMS REF# 1220054043 Victor Valley Wastewater Reclamation Authority

Almgren Work Product: No. 11  
April 23, 2018

**Log #2 of Activities**

(Activities after submittal of Invoice No.1 on February 20, 2018.)

---

1. February 27<sup>th</sup> – telephone contact with Justice King; review of my draft Report No. 1  
2 hours
2. February 28<sup>th</sup> – telephone discussion with Justice King; revised connection fees accounting spreadsheet #7-4; assembled accounting data for user fee spreadsheet  
6 hours
3. March 1<sup>st</sup> – developed user fee spreadsheet no. 8, writing Almgren Report No. 2  
6 hours
4. March 2<sup>nd</sup> – finished Almgren Report No. 2, e-mailed various materials to Justice King  
5 hours - - - 19 hours total
5. March 6<sup>th</sup> – e-mails to both points of contact for documents; e-mails with Justice King  
1 hour
6. March 19<sup>th</sup> – developed spreadsheet no. 9 from IWTP Annual Reports and e-mailed to Justice King  
4 hours
7. March 21<sup>st</sup> – telephone discussion with Justice King and preparation for March 22<sup>nd</sup> mediation meeting at JAMS  
5 hours
8. March 22<sup>nd</sup> – mediation meeting at JAMS office in Ontario  
4 hours - - - 33 total





**VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY**  
**Report/Recommendation to the Board of Commissioners**  
 17 May 2018

**FROM:** Logan Olds, General Manager *LO*

**TO:** Board of Commissioners

**SUBJECT:** Non Payment of Fee for Service – Initiation of Litigation against the City of Hesperia – Tolling Agreement – Selection of Litigation Counsel

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**RECOMMENDATION**

VVWRA staff defers to Mr. Piero Dallarda, Legal Counsel on these issues VVWRA's staff always prefers a negotiated solution and it is VVWRA's staff's understanding that a tolling agreement will provide additional time to work on the negotiations.

**REVIEW BY OTHERS**

This recommendation was reviewed by Piero Dallarda, Legal Counsel.

**BACKGROUND INFORMATION**

Please refer to prior VVWRA Board meeting minutes on the topic of the flow diversion and the City of Hesperia's withholding of payment for services provided by VVWRA in terms of wastewater treatment. The City of Hesperia has indicated that it is withholding the payments in an amount similar to the cost of the City of Victorville's flow diversion and connection fees. The City of Hesperia has indicated that they will continue to do so pending an acceptable resolution of the flow diversion issues with the City of Victorville that places all member agencies on equal footing. A draft revised JPA agreement addressing these issues is being prepared by VVWRA legal counsel and will be circulated to the member agencies this month for comments and discussion. The parties desire to continue to attempt settling the flow diversion issues and the tolling agreement will provide the parties additional time to explore a negotiated solution.

**FINANCIAL IMPACT**

To be determined.

**RELATED IMPACTS**

Unknown at this time.

## TOLLING AGREEMENT

This tolling agreement (“Tolling Agreement” or “Agreement”) is entered into on \_\_\_\_\_, 2018, (“Tolling Agreement Date”) by and between the following public entities (collectively, the “Parties” or individually, as “Party”): the City of Hesperia-Hesperia Water District, the Victor Valley Wastewater Reclamation Authority (“VWVRA”), the City of Victorville, the Town of Apple Valley (“Apple Valley”), and the County of San Bernardino.

WHEREAS, VWVRA is a Joint Powers Agency created originally by a Joint Exercise of Powers Agreement (“JPA”) dated December 13, 1977, and last Amended in December 1998;

WHEREAS, the current member entities for VWVRA (collectively, the “Member Entities”) are: the City of Victorville, Apple Valley, the City of Hesperia-Hesperia Water District, and County Services Areas #42 and #64;

WHEREAS, on or about \_\_\_\_\_, VWVRA filed a Claim for Money or Damages against the City of Hesperia (the “Claim”), arising as a result of an alleged failure of the City of Hesperia-Hesperia Water District (“City of Hesperia”) to pay VWVRA for the delivery of certain services including without limitation treatment of wastewater in what VWVRA alleges is a violation of the JPA and the Services Agreement between the Parties (a true and accurate copy of the Claim is hereto attached as Exhibit A);

WHEREAS, the City of Hesperia has denied the Claim;

WHEREAS, in an attempt to resolve this issue amicably the Parties have participated and are participating in a joint voluntary mediation before Justice Jeffrey King, Ret.;

WHEREAS, the Parties desire to continue exploring an amicable solution and avoid the cost of litigation;

WHEREAS, the time for VWVRA to file a complaint against the City of Hesperia is approaching,

NOW THEREFORE, in consideration of the mutual promises of the Parties contained herein, the Parties hereby agree as follows;

1. The term “Statute of Limitations” as used in this Tolling Agreement shall include, without limitation, all time-based defenses such as statutes of limitations, Government Claims Act requirements, statutes of repose, laches, estoppel, and/or any other legal or equitable requirement concerning the timely filing or presentation of actions, whether arising by statute, common law, contract, court order, or otherwise.

2. The time period extending from the Tolling Agreement Date (as set forth in the first sentence of this Agreement), until the date this Tolling Agreement expires in accordance with its terms (the “Tolling Period”) shall not be counted in determining the time in which VWVRA, its successors, or its Member Entities, shall be required, including, but not limited to, pursuant to Government Code section 911.2, subdivision (a) of the Government Claims Act or any other applicable statute of limitations, including any City requirements, to present and/or file a claim

against the City of Hesperia with respect to the Flow Diversion Issues. During the Tolling Period, all applicable Statutes of Limitations, whether under the Government Claims Act or otherwise, relevant to the Flow Diversion Issues shall be tolled and suspended and shall not run against any of the Parties to this Agreement, or their successors.

3. As to the claims arising under VVWRA's Claim, the Parties agree not to raise as an affirmative defense any Statute of Limitations arguments or jurisdictional defenses based on Statute of Limitations issues. This provision shall survive expiration or termination of this Tolling Agreement.

4. This Tolling Agreement shall remain in full force and effect until December 31, 2018; or until thirty (30) days after any Party hereto delivers written notice to the other Parties of withdrawal from this Tolling Agreement.

5. This Tolling Agreement shall be construed in all respects as jointly drafted and shall not be construed in any way against any other Party hereto on the grounds that the Party was the drafter of this Tolling Agreement.

6. Nothing in this Tolling Agreement shall constitute or be construed as an admission by any Party that the claim could properly be asserted against it by any other Party or that any such claim would have any basis in law or in fact. Nothing in this Agreement shall have the effect of reviving any claim that otherwise is barred by a Statute of Limitations as of the Tolling Agreement Date. Except as expressly provided in this Tolling Agreement with respect to time-based defenses, this Tolling Agreement is not intended to and shall not have any effect upon the defenses that any Party may assert to any claim brought by any other Party. Nothing in this Tolling Agreement shall be construed as an admission by any Party regarding whether or when any Statutes of Limitations, laches, or other time-based defense has or has not begun to run on any claim or whether or not any claim is or is not already barred, impaired, or limited by the passage of time.

7. Notice required or permitted under this Agreement shall be in writing and shall be deemed duly delivered under personal delivery, or as of three (3) days after depositing in the United States mail, certified mail, return receipt requested, postage prepaid, or as of the first business day after depositing such notice with a nationally recognized overnight courier service, expenses prepaid, addressed as follows:

**For the City of Victorville:**

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

**For VVWRA:**

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

**For the City of Hesperia**

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

**For the Town of Apple Valley**

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

**For the County of San Bernardino**

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

8. The Parties agree to execute and deliver such other and further documents and perform such other acts as shall be necessary to effectuate the purpose of this Tolling Agreement.

9. This Tolling Agreement may be executed in counterpart originals, each of which shall be deemed to be an original by all Parties signatory to the counterpart.

IN WITNESS WHEREOF, the Parties hereto have executed this Tolling Agreement:

**City of Victorville**

By: \_\_\_\_\_

Its \_\_\_\_\_

Date of Execution: \_\_\_\_\_

Its \_\_\_\_\_

Date of Execution: \_\_\_\_\_

**City of Hesperia-Hesperia Water District**

By: \_\_\_\_\_

Its \_\_\_\_\_

**VVWRA**

By: \_\_\_\_\_

Date of Execution: \_\_\_\_\_

Signature for Town of Apple Valley and County of San Bernardino on following page (4)

**Town of Apple Valley**

By: \_\_\_\_\_

Its \_\_\_\_\_

Date of Execution: \_\_\_\_\_

**County San Bernardino**

By: \_\_\_\_\_

Its \_\_\_\_\_

Date of Execution: \_\_\_\_\_

# ***Victor Valley Wastewater Reclamation Authority***



## ***Financial and Cash Report***

***April 2018***



Victor Valley Wastewater Reclamation Authority  
**CASH AND RESERVE SUMMARY**  
 May 2, 2018

G/L Account	Description	Balance
1000	DCB Checking Account	\$ 1,083,899
1030	DCB Sweep Account	1,380,790
1075	Cal TRUST	3,099,137
1070	LAIF	1,540,750
	<b>Total Cash</b>	<b>\$ 7,104,576</b>

\$65 mil Max

Reserves:	Current Balance	Restricted	Assigned	Not Assigned
Targeted Capital Reserve	\$ -	\$ -	\$ -	\$ -
O&M Reserve: 10% of Prior Year Budgeted Operating Expenses	-	-	1,081,523	-
R&R Reserve: 1% of Land Improvements/Plants/Interceptors PY CAFR	1,370,006	-	1,670,006	-
Reserve for SRF Payments (P& I) - Operating	2,843,784	2,843,784	-	-
Reserve for SRF Payments (P& I) - Capital	2,439,893	2,439,893	-	-
Available for O&M	450,893	-	-	-
<b>Total Cash</b>	<b>\$ 7,104,576</b>	<b>\$ 5,283,677</b>	<b>\$ 2,751,529</b>	<b>\$ -</b>

**Note 1: ACCUMULATION FOR SRF LOAN PAYMENTS:**

	9.5 MGD, 11.0 MGD, NAVI, Phase III-A	Upper Narrows Replacement	Nanticoke Bypass	Sub-Regional Apple Valley	Sub-Regional Hesperia	Total
Reserve for SRF Payments (P& I) - Operating	\$ 782,104	257,745	202,665	640,818	960,452	\$ 2,843,784
Reserve for SRF Payments (P& I) - Capital	1,348,576	-	67,555	409,703	614,059	2,439,893
	<b>\$ 2,130,680</b>	<b>257,745</b>	<b>270,220</b>	<b>1,050,521</b>	<b>1,574,511</b>	<b>\$ 5,283,677</b>

**Note 2: PROJECTS AND FUNDING:**

a. Construction and Change Orders for Sub-Regional Plants	Bureau of Reclamation - Title 16 Grant	Dept. of Water Resources - Proposition 84 Grant	SWRCB SRF Loan - Hesperia	SWRCB SRF Loan - Apple Valley	SWRCB - Proposition One Grant - A.V.	SWRCB - Water Recycling Prop 13 Grant - A.V.	Total
Completion (or Termination) Dates	05/31/16	12/31/17	06/30/17	06/30/17	06/30/17	03/31/17	
Agreement Amounts	\$ 3,242,523	\$ 3,000,000	\$ 35,442,795	\$ 22,537,632	\$ 8,135,648	\$ 4,000,000	\$ 76,358,598
Claimed	(3,242,523)	(3,000,000)	(32,316,234)	(20,467,553)	(7,812,299)	(3,992,563)	(70,831,172)
<b>Grant and Loan Balance Remaining</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,126,561</b>	<b>\$ 2,070,079</b>	<b>\$ 323,349</b>	<b>\$ 7,437</b>	<b>\$ 5,527,426</b>

b. Planning and Design for Sub-Regional Plants	Bureau of Reclamation - Title 16 Grant	Dept. of Water Resources - Proposition 84 Grant	SWRCB SRF Loan - Hesperia	SWRCB SRF Loan - Apple Valley	SWRCB - Proposition One Grant - A.V.	SWRCB - Water Recycling Prop 13 Grant - A.V.	Total
Completion (or Termination) Dates	05/31/16	not applicable	06/30/17	06/30/17	06/30/17	not applicable	
Agreement Amounts	\$ 1,607,477	\$ -	\$ 5,107,160	\$ 4,535,127	\$ 1,046,193	\$ -	\$ 12,295,957
Claimed	(1,607,477)	-	(3,134,436)	(4,413,807)	(1,038,301)	-	(10,194,020)
<b>Grant and Loan Balance Remaining</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,972,724</b>	<b>\$ 121,320</b>	<b>\$ 7,892</b>	<b>\$ -</b>	<b>\$ 2,101,937</b>

**c. Upper Narrows Emergency**

*FEMA/Cal OES PW 1136 Revised Grant Limit - Completion 12/27/15	\$	7,954,740	
Eligible Cost Incurred 12/26/10 - 11/06/16		(7,750,326)	
<b>Grant Balance Remaining</b>	<b>\$</b>	<b>204,414</b>	
Funding Received or To Be Received:			
FEMA (Claims x .90 x .7500)	\$ 5,231,470		
Cal OES (Claims x .90 x .1875)	\$ 1,307,868	6,539,338	
VVWRA Share:			
VVWRA (Claims x .0625)	484,395	484,395	
10% Retention to Be Received upon Completion:			
(Claim - VVWRA portion) x .10	726,593	726,593	
	\$	7,750,326	

**d. Upper Narrows Replacement**

*FEMA/Cal OES PW 828 Grant Limit - Completion 12/27/15	\$	33,124,002	
Eligible Costs Incurred 04/01/11 - 08/31/16		(33,124,002)	
<b>Grant Balance Remaining</b>	<b>\$</b>	<b>-</b>	
Funding Received or Expected to Receive:			
FEMA (Claims x .90 x .7500)	\$ 22,358,701		
Cal OES (Claims x .90 x .1875)	\$ 5,589,675	27,948,377	
VVWRA Share:			
VVWRA (Claims x .0625)	2,070,250	2,070,250	
10% Retention to Be Received upon Completion:			
(Claim - VVWRA portion) x .10	3,105,375	3,105,375	
	\$	33,124,002	
	Incurred	Claimed	Remaining

\* SRF Loan

Construction	1,655,130	(1,655,130)	-
Change Orders	1,825,000	(1,825,000)	-
Soft Costs	806,250	(806,250)	-
	<b>4,286,380</b>	<b>(4,286,380)</b>	<b>-</b>

**Victor Valley Wastewater Reclamation Authority**  
**Statement of Net Position**  
**April 30, 2018**

<i>Assets and Deferred Outflows of Resources</i>	<b>2018</b>
<b>Current assets:</b>	
Cash and cash equivalents	\$ 13,682,488
Interest receivable	6,489
Accounts receivable	4,553,219
Receivable from FEMA Grants	4,148,183
Accounts receivable - Other	9,056
Allowance for Doubtful Accounts	(64,828)
Materials and supplies inventory	86,516
Prepaid expenses and other deposits	179,674
<b>Total current assets</b>	<b>22,600,797</b>
<b>Fixed assets:</b>	
Capital assets not being depreciated	84,666,986
Capital assets being depreciated	114,483,872
<b>Total capital assets</b>	<b>199,150,858</b>
<b>Total assets</b>	<b>221,751,655</b>
<b>Deferred outflows of resources</b>	
Deferred outflows of resources - pension	1,743,035
<b>Total</b>	<b>\$ 223,494,690</b>
<b><i>Liabilities, Deferred Inflows of Resources, and Net Position</i></b>	
<b>Current liabilities:</b>	
Accounts payable and accrued expenses	\$ 1,357,027
Accrued interest on long-term debt	75,383
Long-term liabilities - due within one year:	
Compensated absences	48,647
Loans payables	1,849,149
Other payables	6,698,461
<b>Total current liabilities</b>	<b>10,028,667</b>
<b>Non-current liabilities:</b>	
Long-term liabilities - due in more than one year:	
Compensated absences	219,396
Other post employment benefits payable	1,419,041
Loans payable	82,042,474
Net Pension Liability	5,011,624
Other payables	445,676
<b>Total non-current liabilities:</b>	<b>89,138,211</b>
<b>Total liabilities</b>	<b>99,166,878</b>
<b>Deferred inflows of resources</b>	
Deferred inflows of resources - pension	165,023
<b>Net position:</b>	
Net position as of 6/30/17	125,556,639
Restricted for SRF loan covenant	5,283,677
Decrease in net position FY 18	(6,440,664)
<b>Total net position</b>	<b>124,162,789</b>
<b>Total</b>	<b>\$ 223,494,690</b>

**Victor Valley Wastewater Reclamation Authority**  
**Revenues and Expenses**  
**Operations and Maintenance**  
For the Month Ended April 30, 2018

	Actual April 2018	YTD Actual FY 17-18	Approved Budget FY 17-18
<b>REVENUES</b>			
User Charges	\$ 1,112,220	\$ 11,106,349	\$ 13,661,700
Sludge Flow Charge	9,877	92,545	137,074
High Strength Waste Surcharges	-	15,561	25,000
ADM FOG Tipping Fee Revenue	28,562	257,549	205,000
Septage Receiving Facility Charges	41,083	511,586	609,000
Reclaimed Water Sales	525	13,999	44,000
Potable Well Water Sales	51	752	650
Leased Property Income	50	500	600
Interest	122	815	-
Pretreatment Fees	4,200	46,700	51,200
Finance Charge	-	-	-
Grant - FEMA/Cal-EMA	-	-	747,034
Grant - Proposition 1	-	-	458,297
Grant- Water Recycling	-	-	246,466
Grant- CEC Microgrid	-	318,727	-
Sale of Assets, Scrap, & Misc Income	500	7,998	-
<b>Total REVENUES</b>	<b>\$ 1,197,190</b>	<b>\$ 12,373,081</b>	<b>\$ 16,186,021</b>
<b>EXPENSES</b>			
Personnel	\$ 274,266	\$ 3,358,180	\$ 4,086,603
Maintenance	85,156	1,361,806	2,919,360
Operations	104,575	2,078,282	3,066,985
Administrative	30,111	1,415,788	2,270,884
Construction	-	-	2,389,065
<b>Total EXPENSES</b>	<b>\$ 494,108</b>	<b>\$ 8,214,056</b>	<b>\$ 14,732,897</b>
<b>Revenues over Expenses before Depreciation, Debt Service and Transfers</b>	<b>\$ 703,082</b>	<b>\$ 4,159,025</b>	<b>\$ 1,453,124</b>
Depreciation Expense	(674,090)	(6,748,121)	-
<b>DEBT SERVICE</b>			
SRF Interest	-	-	361,138
<b>FUND TRANSFERS IN</b>			
Salary/Benefits Charge from Capital	\$ 8,712	\$ 60,984	-
Admin Charge from Capital	3,311	23,174	-
<b>Total FUND TRANSFERS IN</b>	<b>\$ 12,023</b>	<b>\$ 84,158</b>	<b>-</b>
<b>FUND TRANSFERS OUT</b>			
Transfer to Repairs and Replacements Fund	-	-	247,500
Inter-fund loan payment to Capital	-	(3,254)	-
<b>Total FUND TRANSFERS OUT</b>	<b>-</b>	<b>(3,254)</b>	<b>247,500</b>
<b>Excess Revenues Over Expenses</b>	<b>\$ 41,015</b>	<b>\$ (2,508,192)</b>	<b>\$ 844,486</b>

**Victor Valley Wastewater Reclamation Authority**  
**Revenues and Expenditures**  
**Repairs and Replacement**  
For the Month Ended April 30, 2018

	Actual April 2018	YTD Actual FY 17-18	Approved Budget FY 17-18
	<u>                    </u>	<u>                    </u>	<u>                    </u>
<b>REVENUES</b>			
R&R Revenues	\$ -	\$ -	\$ -
Total REVENUES	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
<b>OTHER FINANCING SOURCES</b>			
SRF Loan Funding	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
<b>CAPITAL EXPENSES</b>			
Personnel	\$ -	-	\$ -
Maintenance	1,583	44,627	242,500
Operations	-	101,540	-
Administrative	-	-	5,000
Construction	-	2,050	-
Total CAPITAL EXPENSES	<u>\$ 1,583</u>	<u>\$ 148,217</u>	<u>\$ 247,500</u>
<b>Revenues over Expenses before Debt Service and Transfers</b>	<u>\$ (1,583)</u>	<u>\$ (148,217)</u>	<u>\$ (247,500)</u>
<b>DEBT SERVICE</b>			
SRF Interest	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
<b>FUND TRANSFERS IN</b>			
Transfer from Operations and Maintenance Fund	\$ -	247,500	\$ 247,500
Interfund Loan Payment from O&M	-	-	-
Total FUND TRANSFERS IN	<u>\$ -</u>	<u>\$ 247,500</u>	<u>\$ 247,500</u>
<b>FUND TRANSFERS OUT</b>			
Salary/Benefits Charge to O & M	\$ -	-	\$ -
Admin Charge to O & M	-	-	-
Total FUND TRANSFERS OUT	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
<b>Excess Revenues Over Expenses</b>	<u>\$ (1,583)</u>	<u>\$ 99,283</u>	<u>\$ -</u>

*Accrual Basis*

Victor Valley Wastewater Reclamation Authority  
Revenues and Expenditures  
**CAPITAL**  
For the Month Ended April 30, 2018

	Actual April 30 2018	YTD Actual FY 17-18	Approved Budget FY 17-18
<b>REVENUES</b>			
Connection Fees	\$ 127,000	\$ 1,254,472	\$ 878,900
Title 16 Grant - Subregional	-	-	-
Grant- Water Recycling	-	426,380	157,577
Sale of Assets, Scrap, & Misc Income	-	-	-
Interest	12,415	63,316	38,000
Proposition 1 Grant	-	786,964	293,010
Proposition 84 Grant	-	-	-
FMV Adjustment	-	1,612	-
Grant - FEMA/Cal-EMA	-	-	3,105,375
<b>Total REVENUES</b>	<b>\$ 139,415</b>	<b>\$ 2,532,744</b>	<b>\$ 4,472,862</b>
<b>CAPITAL EXPENSES</b>			
Personnel	\$ -	-	\$ 416,716
Maintenance	-	-	40,000
Operations	-	-	170
Administrative	-	(2,054)	140,000
Construction	-	6,309,958	2,482,435
<b>Total CAPITAL EXPENSES</b>	<b>\$ -</b>	<b>\$ 6,307,904</b>	<b>\$ 3,079,321</b>
<b>Revenues over Expenses before Debt Service and Transfers</b>	<b>\$ 139,415</b>	<b>\$ (3,775,160)</b>	<b>\$ 1,393,541</b>
<b>DEBT SERVICE</b>			
SRF Interest	\$ -	175,691	\$ 209,281
			209,281
<b>FUND TRANSFERS IN</b>			
Capital Recovery - Septage from O&M	\$ -	-	-
Interfund Loan Payment from O&M	-	3,254	-
<b>Total FUND TRANSFERS IN</b>	<b>\$ -</b>	<b>\$ 3,254</b>	<b>\$ -</b>
<b>FUND TRANSFERS OUT</b>			
Salary/Benefits Charge to O & M	\$ 8,712	\$ 60,984	\$ -
Admin Charge to O & M	3,311	23,174	-
<b>Total FUND TRANSFERS OUT</b>	<b>\$ 12,023</b>	<b>\$ 84,158</b>	<b>\$ -</b>
<b>Excess Revenues Over Expenses</b>	<b>\$ 127,392</b>	<b>\$ (4,031,755)</b>	<b>\$ 1,184,260</b>

*Accrual Basis*

**VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY**  
**SRF LOAN SUMMARY**  
 April 30, 2018

Existing	Existing	Existing	Existing	Existing	Existing	In Progress	In Progress	In Progress	In Progress	In Progress	Total Agreed
9.5 MGD	11 MGD	North Apple	Phase IIIA	UN	Nanticoke	Apple Valley	Hesperia	Subregional	Subregional	Subregional	SRF Loans
Capital	Expansion	Valley	Regulatory	Replacement	Pump Station	Subregional	Subregional	Subregional	Subregional	Subregional	SRF Loans
Improvements	Intercepter	Upgrades	Project	Bypass	Station	Subregional	Subregional	Subregional	Subregional	Subregional	SRF Loans

**SRF LOANS**

Original Amount Financed	\$ 4,069,859.00	\$ 11,430,726.00	\$ 4,084,688.00	\$ 18,581,561.00	\$ 4,286,380.00	\$ 4,459,190.00	\$ 27,129,023.47	\$ 40,658,809.92	\$ 114,700,237.39		
SRF Interest Rate (fixed)	2.60%	0.00%	2.50%	2.70%	1.90%	1.90%	1.00%	1.00%	1.00%		Varies
Local Match Amount	n/a	1,905,159.00	n/a	-	-	-	-	-	-		1,905,159.00
Principal Forgiveness	n/a	n/a	n/a	3,000,000.00	n/a	n/a	n/a	n/a	n/a		3,000,000.00
SRF Amount Borrowed	4,069,859.00	9,525,567.00	4,084,688.00	15,717,667.66	4,286,380.00	4,459,190.00	27,129,023.47	40,658,809.92	109,931,185.05		
Annual Payment Amount	265,049.56	579,869.96	258,151.05	1,027,609.73	257,745.38	238,350.61	1,050,520.94	1,574,511.25	5,251,808.48		
Annual Payment Due Date	September 15	April 3	February 13	June 30	December 31	June 30	February 28	February 28	Varies		
Loan Term (years)	20	20	20	20	20	20	30	30	Varies		
Years remaining	2	5	7	15	15	20	30	30	Varies		
<b>DEBT SERVICE</b>											
<b>Loan Outstanding Balance</b>	<b>510,119.27</b>	<b>2,218,127.18</b>	<b>1,421,928.33</b>	<b>12,538,025.97</b>	<b>3,187,940.73</b>	<b>4,459,190.00</b>	<b>27,129,023.47</b>	<b>40,658,809.92</b>	<b>92,123,164.87</b>		
Principal Paid to Date	3,559,739.73	7,307,439.82	2,662,759.67	3,179,641.69	1,098,439.27	-	-	-	17,808,020.18		
Interest Paid to Date	1,154,214.00	1,803,806.32	934,964.01	1,900,631.83	110,860.41	-	-	-	5,904,476.57		
First Payment Date	Sept. 15, 2000	April 3, 2003	Feb. 13, 2005	June 30, 2013	Dec. 31, 2016	June 30, 2018	February 28 2019	February 28 2019	Varies		
Final Payment Date	Sept. 15, 2019	April 3, 2022	Feb. 13, 2024	June 30, 2032	Dec. 31, 2032	June 30, 2037	February 28, 2048	February 28, 2048	Varies		
Effective interest rate	2.544%	1.850%	2.499%	2.700%	1.900%	1.900%	1.00%	1.00%	Varies		

\* An imputed interest rate is 1.707% per annum.

**Victor Valley Wastewater Reclamation Authority**  
**Flow Study**  
**For the Month Ended March 31, 2018**

Measured by ADS	Percentage of Total %	March Monthly MG	Total %	Quarterly MG
VSD 1 (less North Apple Valley)	6.3565%	23.0180	6.0754%	63.8440
VSD 2	14.1602%	51.2770	14.2237%	149.4720
VSD 3	26.1154%	94.5690	26.2002%	275.3300
VSD 4	7.1015%	25.7160	7.2846%	76.5520
VSD 5	0.3916%	1.4180	0.4405%	4.6290
VSD 6	5.9632%	21.5940	6.1821%	64.9655
<b>VSD Total</b>	<b>60.0884%</b>	<b>217.5920</b>	<b>60.4065%</b>	<b>634.7925</b>
Apple Valley 01	10.3587%	37.5110	10.2874%	108.1072
Apple Valley 02	5.3948%	19.5358	5.4116%	56.8688
Apple Valley North	0.1198%	0.4340	0.1039%	1.0920
<b>Apple Total</b>	<b>15.8733%</b>	<b>57.4808</b>	<b>15.8029%</b>	<b>166.0680</b>
<b>Hesperia</b>	<b>18.9147%</b>	<b>68.4940</b>	<b>18.6045%</b>	<b>195.5090</b>
CSA 64 SVL	4.6374%	16.7930	4.7013%	49.4040
CSA 42 Oro Grande	0.4860%	1.7600	0.4848%	5.0950
<b>CSA Total</b>	<b>5.1234%</b>	<b>18.5530</b>	<b>5.1861%</b>	<b>54.4990</b>
<b>Total Apportioned Flow</b>	<b>99.9998%</b>	<b>362.1198</b>	<b>100.0000%</b>	<b>1,050.8685</b>
Mojave Narrows Regional Park		0.1000		0.3000
<b>Total Study Flow</b>		<b>362.2198</b>		<b>1051.1685</b>

**Subregional Water Reclamation Plant Projects**  
4/30/2018  
**Apple Valley**

**Costs Incurred Up to 4/30/2018**

		Expended to Date	Contract Amount	Total Remaining
<b>Planning/Design/Construction Management</b>				
	Planning	1,224,868	970,271	(254,597)
	(Carollo/HDR) Design	2,552,681	3,117,326	564,645
	(MWH) Construction Management	2,089,402	1,455,410	(633,992)
	(Carollo/HDR) Engineering Services During Construction	1,816,322	1,610,418	(205,904)
	Sub-Total	7,683,273	7,153,425	(529,848)
<b>Construction</b>				
	Construction	32,843,337	32,670,000	(173,337)
<b>Change Order (Contingency)</b>				
		Expended to Date	Contract Amount	
			SRF Loan	Lyles
	Planning/Design/Construction Management	-	1,001,640	-
	Construction - Cascade Drilling	256,448	376,986	-
	Construction - Lyles	709,845	624,654	500,000
	Sub-Total	966,293	2,003,280	500,000
	<b>Total</b>	<b>41,492,903</b>	<b>42,326,705</b>	<b>1,800,095</b>

**Eligible for Reimbursements**

		Claimed	Contract Amount	Total Remaining
	Title 16	2,404,756	2,419,631	14,875
	Proposition 13 - Recycling Grant	3,992,563	4,000,000	7,437
	Proposition 84-AV Construction Cost	772,414	1,487,478	715,064
	Proposition 01-AV Planning/Design/Construction Management	1,038,301	1,046,193	7,892
	Proposition 01-AV Construction Cost	7,812,299	8,135,648	323,349
	<b>Total Grants</b>	<b>16,020,333</b>	<b>17,088,950</b>	<b>1,068,617</b>
	<i>% of Total Project</i>		39%	
	SRF-AV Planning/Design/Construction Management	4,413,807	4,535,127	121,320
	SRF-AV Construction Cost	21,058,763	22,537,632	1,478,869
	<b>Total</b>	<b>41,492,903</b>	<b>44,161,709</b>	<b>2,668,806</b>

**Claims Made as of 4/30/2018**

		Requested	Contract Amount	Total Remaining
	Title 16	2,404,756	2,419,631	14,875
	Proposition 13 - Recycling Grant	3,992,563	4,000,000	7,437
	Proposition 84-AV Construction Cost	772,414	1,487,478	715,064
	Proposition 01-AV Planning/Design/Construction Management	1,038,301	1,046,193	7,892
	Proposition 01-AV Construction Cost	7,812,299	8,135,648	323,349
	<b>Total Grants</b>	<b>16,020,333</b>	<b>17,088,950</b>	<b>1,068,617</b>
	SRF-AV Planning/Design/Construction Management	4,413,807	4,535,127 *	121,320
	SRF-AV Construction Cost	20,467,553	22,537,632	2,070,079
	<b>Total</b>	<b>40,901,693</b>	<b>44,161,709</b>	<b>3,260,016</b>

\*Note: Proposition 01 grant of \$9.2M reduces AV SRF loan to \$4.5M.



**Subregional Water Reclamation Plant Projects**  
**4/30/2018**  
**Hesperia**

**Costs Incurred Up to 4/30/2018**

		Expended to Date	Contract Amount	Total Remaining
<b>Planning/Design/Construction Management</b>				
	Planning	861,802	624,264	(237,538)
	(Carollo/HDR) Design	3,106,096	3,580,792	474,696
	(MWH) Construction Management	2,503,033	1,479,914	(1,023,119)
	(Carollo/HDR) Engineering Services During Construction	1,625,913	1,687,052	61,139
	Sub-Total	8,096,844	7,372,022	(724,822)
<b>Construction</b>				
	Construction	33,058,585	33,220,000	161,415
		Expended to Date	Contract Amount	
			SRF Loan	Lyles
<b>Change Order (Contingency)</b>				
	Planning/Design/Construction Management	-	1,111,398	-
	Construction - Cascade Drilling	468,657	383,334	-
	Construction - Lyles	708,198	728,063	500,000
	Sub-Total	1,176,855	2,222,795	500,000
<b>Total</b>		<b>42,332,284</b>	<b>43,314,817</b>	<b>982,533</b>

**Eligible for Reimbursements**

		Claimed	Contract Amount	Total Remaining
	Title 16	2,445,244	2,460,369	15,125
	Proposition 84-HES Construction Cost	2,227,586	1,512,522	(715,064)
	<b>Total Grants</b>	<b>4,672,830</b>	<b>3,972,891</b>	<b>(699,939)</b>
	<i>% of Total Project</i>		9%	
	SRF-HES Planning/Design/Construction Management	3,134,436	7,329,955	4,195,519
	SRF-HES Construction Cost	34,525,018	33,220,000	(1,305,018)
<b>Total</b>		<b>42,332,284</b>	<b>44,522,846</b>	<b>2,190,562</b>

**Claims Made as of 4/30/2018**

		Requested	Contract Amount	Total Remaining
	Title 16	2,445,244	2,460,369	15,125
	Proposition 84-HES Construction Cost	2,227,586	1,512,522	(715,064)
	<b>Total Grants</b>	<b>4,672,830</b>	<b>3,972,891</b>	<b>(699,939)</b>
	SRF-HES Planning/Design/Construction Management	3,134,436	7,329,955	4,195,519
	SRF-HES Construction Cost	32,316,234	33,220,000	903,766
<b>Total</b>		<b>40,123,500</b>	<b>44,522,846</b>	<b>4,399,346</b>

**Nanticoke Interceptor**  
4/30/2018

<b>Costs Incurred Up to 4/30/2018</b>		<b>Expended to Date</b>	<b>Contract Amount</b>	<b>Total Remaining</b>
<b>Planning/Design/Construction Management</b>				
	Planning		342,397	342,397
	Design		101,524	101,524
	Construction Management	476,557	407,373	(69,184)
	Engineering Services During Construction			-
	<b>Sub-Total</b>	<b>476,557</b>	<b>851,294</b>	<b>374,737</b>
<b>Construction</b>				
	Construction - Christensen Brothers GE Inc.	3,202,494	3,207,896	5,402
		<b>Expended to Date</b>	<b>Contract Amount</b>	
			<b>SRF Loan</b>	
<b>Change Order (Contingency)</b>				
	Planning/Design/Construction Management			-
	Construction	780,139	400,000	(380,139)
	<b>Sub-Total</b>	<b>780,139</b>	<b>400,000</b>	<b>(380,139)</b>
<b>Total</b>		<b>4,459,190</b>	<b>4,459,190</b>	<b>-</b>

<b>Eligible for Reimbursements</b>		<b>Claimed</b>	<b>Contract Amount</b>	<b>Total Remaining</b>
	SRF-Planning/Design/Construction Management	476,557	851,294	374,737
	SRF-Construction Cost	3,982,633	3,607,896	(374,737)
<b>Total</b>		<b>4,459,190</b>	<b>4,459,190</b>	<b>-</b>

<b>Claims Made as of 4/30/2018</b>		<b>Requested</b>	<b>Contract Amount</b>	<b>Total Remaining</b>
	SRF-Planning/Design/Construction Management	476,557	851,294	374,737
	SRF-Construction Cost	3,982,633	3,607,896	(374,737)
<b>Total</b>		<b>4,459,190</b>	<b>4,459,190</b>	<b>-</b>

VWVRA  
Upper Narrows Interceptor and Emergency Projects  
4/30/2018

Upper Narrows Interceptor and Emergency Projects  
4/30/2018

Upper Narrows Interceptor (E004)

<u>Planning/Design/Construction Management</u>		Expended to Date	Contract Amount	Total Remaining
Planning		449,368	277,990	(171,378)
(Tetra Tech) Design		737,952	783,481	45,529
(URS/AECOM) Construction Management		1,642,759	993,673	(649,086)
(TetraTech) Engineering Services During Construction		531,269	348,290	(182,979)
Total		3,361,348	2,403,434	(957,914)
<u>Construction</u>				
Construction - J.W. Fowler		26,136,908	26,482,075	345,167
Construction - AV Construction		1,525,267	863,371	(661,896)
<u>Contingency</u>		Expended to Date	Contract Amount	
(Tetra Tech) Design		-	-	-
(URS/AECOM) Construction Management		271,346	325,612	54,266
(TetraTech) Engineering Services During Construction		-	-	-
Construction - J.W. Fowler		3,536,620	3,536,620	
Construction - AV Construction		214,287	214,287	-
Total		35,045,776	33,825,399	(1,220,377)

Claimed to Date

FEMA/CalOES	27,948,377	29,811,603	1,863,226
FEMA/CalOES 10% Retention	3,105,375	3,312,400	207,025
UNR SRF Loan	3,515,952		
Total	34,569,704	33,124,003	2,070,251

Upper Narrows Emergency (E003)

Spent to Date 4/30/2018

<u>Planning/Design/Construction Management</u>		Expended to Date
Materials		811,401
Rented Equipment		3,226,387
Contracts		3,899,051
Force Account OT		42,805
Force Equipment		274,341
Total		8,253,985

Received to Date

FEMA/CalOES	6,539,338
FEMA/CalOES 10% Retention	726,593
Total Grants to Date	7,265,931
VWVRA 6.25% Unreimbursable Cost	484,395
Total	7,750,326

VVWEA  
Flow Measured by ADS  
March 2018

Date	Flows Measured by ADS										Flows not measured by ADS				Mag Meter Flow Data Million Gallons	Variance Million Gallons		
	Apple Valley Vol MP1 Q/FINAL	Apple Valley Vol MP2 Q/FINAL	CSA 41 MP1 Q/FINAL	CSA 64 MP1 Q/FINAL	Hesperia MP1 Q/FINAL	NAVI MP1 Q/FINAL	VSD No1 MP1 Q/FINAL	VSD No2 MP1 Q/FINAL	VSD No3 MP1 Q/FINAL	VSD No4 MP1 Q/FINAL	VSD No5 MP1 Q/FINAL	VSD No6 MP1 Q/FINAL	ADS+Unmetered Flow Million Gallons	COVY FW WTP Million Gallons			COVY FW WTP Sludge (tppd) Million Gallons	C/A64 Park Million Gallons
3/1/2018	1,1820	0,6370	0,0620	0,5400	2,2410	0,0140	0,7530	1,6650	3,1180	0,8450	0,0510	0,6830	11,8268	0,0000	0,0326	0,0032	11,8280	-0,1012
3/2/2018	1,1900	0,6280	0,0810	0,5670	2,1170	0,0140	0,7480	1,6350	3,0950	0,8420	0,0510	0,6940	11,7538	0,0000	0,0326	0,0032	11,7538	9,6690
3/3/2018	1,2100	0,6600	0,0820	0,6250	2,1770	0,0140	0,8410	1,7080	3,1000	0,8400	0,0480	0,6910	11,8468	0,0000	0,0326	0,0032	11,8468	10,8270
3/4/2018	1,2150	0,6570	0,0880	0,5560	2,2250	0,0140	0,8270	1,6980	3,0560	0,8240	0,0470	0,7130	12,3098	0,0000	0,0326	0,0032	12,3098	11,2570
3/5/2018	1,2140	0,6530	0,0820	0,5530	2,2160	0,0140	0,8130	1,6660	3,0420	0,8260	0,0440	0,6800	11,8738	0,0000	0,0326	0,0032	11,8738	9,3640
3/6/2018	1,2280	0,6150	0,0620	0,5320	2,2050	0,0110	0,8260	1,6230	3,0120	0,8160	0,0470	0,6590	11,6388	0,0000	0,0326	0,0032	11,6388	10,2300
3/7/2018	1,1900	0,6240	0,0620	0,5430	2,2100	0,0140	0,8120	1,6240	2,9770	0,8180	0,0500	0,6320	11,6118	0,0000	0,0326	0,0032	11,6118	10,2380
3/8/2018	1,1900	0,6240	0,0620	0,5430	2,2100	0,0140	0,8120	1,6240	2,9770	0,8180	0,0500	0,6320	11,6118	0,0000	0,0326	0,0032	11,6118	10,2380
3/9/2018	1,2350	0,6500	0,0620	0,5380	2,1710	0,0130	0,7730	1,6610	3,0220	0,8300	0,0450	0,6410	11,5768	0,0000	0,0326	0,0032	11,5768	10,3420
3/10/2018	1,2350	0,6500	0,0620	0,5380	2,1710	0,0130	0,7730	1,6610	3,0220	0,8300	0,0450	0,6410	11,5768	0,0000	0,0326	0,0032	11,5768	10,3420
3/11/2018	1,2500	0,6710	0,0570	0,5790	2,2460	0,0120	0,8060	1,6830	3,1360	0,8770	0,0480	0,6530	12,0808	0,0000	0,0326	0,0032	12,0808	11,4990
3/12/2018	1,2200	0,6500	0,0610	0,5430	2,2310	0,0140	0,8120	1,6940	2,9830	0,8710	0,0490	0,6300	11,6108	0,0000	0,0326	0,0032	11,6108	10,6260
3/13/2018	1,2200	0,6500	0,0610	0,5430	2,2310	0,0140	0,8120	1,6940	2,9830	0,8710	0,0490	0,6300	11,6108	0,0000	0,0326	0,0032	11,6108	10,6260
3/14/2018	1,2160	0,6580	0,0570	0,5450	2,2420	0,0110	0,7940	1,6390	2,9040	0,8240	0,0460	0,6270	11,6748	0,0000	0,0326	0,0032	11,6748	10,9990
3/15/2018	1,1890	0,6580	0,0570	0,5450	2,1880	0,0160	0,6600	1,7140	2,8900	0,8370	0,0390	0,6450	11,8688	0,0000	0,0326	0,0032	11,8688	10,2980
3/16/2018	1,1890	0,6580	0,0570	0,5450	2,1880	0,0160	0,6600	1,7140	2,8900	0,8370	0,0390	0,6450	11,8688	0,0000	0,0326	0,0032	11,8688	10,2980
3/17/2018	1,1880	0,6570	0,0530	0,5450	2,2020	0,0170	0,6860	1,6860	3,0630	0,8290	0,0370	0,7300	12,0628	0,0000	0,0326	0,0032	12,0628	11,0000
3/18/2018	1,2210	0,6940	0,0520	0,5710	2,2220	0,0180	0,7180	1,6960	3,2080	0,8480	0,0400	0,7430	12,0628	0,0000	0,0326	0,0032	12,0628	10,1430
3/19/2018	1,2100	0,6280	0,0520	0,5420	2,2020	0,0130	0,6830	1,6910	3,1820	0,8250	0,0440	0,7200	11,8488	0,0000	0,0326	0,0032	11,8488	10,4300
3/20/2018	1,2170	0,6210	0,0550	0,5260	2,1980	0,0110	0,6700	1,6280	3,0080	0,8330	0,0440	0,7200	11,5668	0,0000	0,0326	0,0032	11,5668	10,9970
3/21/2018	1,1900	0,5980	0,0500	0,5370	2,1790	0,0130	0,6740	1,6240	3,0660	0,8300	0,0410	0,7160	11,5538	0,0000	0,0326	0,0032	11,5538	10,3210
3/22/2018	1,2220	0,6680	0,0500	0,5460	2,2540	0,0130	0,6810	1,6400	3,0890	0,8390	0,0420	0,7400	11,8038	0,0000	0,0326	0,0032	11,8038	10,8828
3/23/2018	1,2600	0,6420	0,0500	0,5210	2,1970	0,0150	0,6750	1,6750	3,0770	0,8120	0,0430	0,7270	11,7118	0,0000	0,0326	0,0032	11,7118	10,3340
3/24/2018	1,1640	0,6490	0,0500	0,5270	2,2700	0,0160	0,6980	1,6360	3,1090	0,8120	0,0440	0,7410	11,7328	0,0000	0,0326	0,0032	11,7328	10,3920
3/25/2018	1,1880	0,6560	0,0500	0,5350	2,2100	0,0150	0,6980	1,6200	3,0480	0,8380	0,0420	0,7380	11,6898	0,0000	0,0326	0,0032	11,6898	10,7850
3/26/2018	1,2310	0,6560	0,0600	0,5350	2,1720	0,0160	0,6820	1,6320	3,0320	0,8250	0,0440	0,7350	11,6548	0,0000	0,0326	0,0032	11,6548	10,8350
3/27/2018	1,1640	0,6560	0,0600	0,5350	2,1720	0,0160	0,6820	1,6320	3,0320	0,8250	0,0440	0,7350	11,6548	0,0000	0,0326	0,0032	11,6548	10,8350
3/28/2018	1,1460	0,6302	0,0620	0,5070	2,1880	0,0130	0,7060	1,6010	3,0660	0,8050	0,0460	0,7210	11,2368	0,0000	0,0326	0,0032	11,2368	10,2840
3/29/2018	1,1830	0,6620	0,0620	0,5070	2,1880	0,0130	0,7060	1,6010	3,0660	0,8050	0,0460	0,7210	11,2368	0,0000	0,0326	0,0032	11,2368	10,2840
3/30/2018	1,1640	0,6302	0,0620	0,5090	2,1900	0,0130	0,7160	1,6240	2,9780	0,7820	0,0500	0,7560	11,5350	0,0000	0,0326	0,0032	11,5350	10,1880
3/31/2018	1,2060	0,6302	0,0620	0,5310	2,2400	0,0140	0,7050	1,5920	3,0400	0,8060	0,0500	0,7560	11,6980	0,0000	0,0326	0,0032	11,6980	10,2900
<b>Totals</b>	<b>37,3110</b>	<b>19,5388</b>	<b>1,7600</b>	<b>16,7930</b>	<b>68,4940</b>	<b>0,4340</b>	<b>23,0180</b>	<b>51,2770</b>	<b>94,5090</b>	<b>25,7160</b>	<b>1,4180</b>	<b>21,5940</b>	<b>362,2294</b>	<b>0,0000</b>	<b>1,0112</b>	<b>0,1000</b>	<b>350,8310</b>	<b>33,3984</b>
																		<b>9,7913%</b>

VSD 1 data was revised to exclude NAVI flow.  
CSA64 Minjave Narrows added 0.1MG by agreement.

# ***Victor Valley Wastewater Reclamation Authority***



## ***Financial and Cash Report***

***March 2018***

Victor Valley Wastewater Reclamation Authority  
**CASH AND RESERVE SUMMARY**  
 April 9, 2018

G/L Account	Description	Balance	
1000	DCB Checking Account	\$ 1,113,005	
1030	DCB Sweep Account	1,739,923	
1075	Cal TRUST	3,091,526	
1070	LAIF	1,535,039	\$65 mil Max
	<b>Total Cash</b>	<b>\$ 7,479,493</b>	

Reserves:	Current Balance	Restricted	Assigned	Not Assigned
Targeted Capital Reserve	\$ -	\$ -	\$ -	\$ -
O&M Reserve: 10% of Prior Year Budgeted Operating Expenses	100,000		1,081,523	
R&R Reserve: 1% of Land Improvements/Plants/Interceptors PY CAFR	1,670,006		1,670,006	
Reserve for SRF Payments (P& I) - Operating	2,843,784	2,843,784		
Reserve for SRF Payments (P& I) - Capital	2,439,893	2,439,893		
Available for O&M	425,810			
<b>Total Cash</b>	<b>\$ 7,479,493</b>	<b>\$ 5,283,677</b>	<b>\$ 2,751,529</b>	<b>\$ -</b>

**Note 1: ACCUMULATION FOR SRF LOAN PAYMENTS:**

	9.5 MGD, 11.0 MGD, NAVI, Phase III-A	Upper Narrows Replacement	Nanticoke Bypass	Sub-Regional Apple Valley	Sub-Regional Hesperia	Total
Reserve for SRF Payments (P& I) - Operating	\$ 782,104	257,745	202,665	640,818	960,452	\$ 2,843,784
Reserve for SRF Payments (P& I) - Capital	1,348,576	-	67,555	409,703	614,059	2,439,893
	\$ 2,130,680	257,745	270,220	1,050,521	1,574,511	\$ 5,283,677

**Note 2: PROJECTS AND FUNDING:**

a. Construction and Change Orders for Sub-Regional Plants	Bureau of Reclamation - Title 16 Grant	Dept. of Water Resources - Proposition 84 Grant	SWRCB SRF Loan - Hesperia	SWRCB SRF Loan - Apple Valley	SWRCB - Proposition One Grant - A.V.	SWRCB - Water Recycling Prop 13 Grant - A.V.	Total
Completion (or Termination) Dates	05/31/16	12/31/17	06/30/17	06/30/17	06/30/17	03/31/17	
Agreement Amounts	\$ 3,242,523	\$ 3,000,000	\$ 35,442,795	\$ 22,537,632	\$ 8,135,648	\$ 4,000,000	\$ 76,358,998
Claimed	(3,242,523)	(3,000,000)	(32,316,234)	(20,467,553)	(7,812,299)	(3,992,563)	(70,831,172)
<b>Grant and Loan Balance Remaining</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 3,126,561</b>	<b>\$ 2,070,079</b>	<b>\$ 323,349</b>	<b>\$ 7,437</b>	<b>\$ 5,527,426</b>

b. Planning and Design for Sub-Regional Plants	Bureau of Reclamation - Title 16 Grant	Dept. of Water Resources - Proposition 84 Grant	SWRCB SRF Loan - Hesperia	SWRCB SRF Loan - Apple Valley	SWRCB - Proposition One Grant - A.V.	SWRCB - Water Recycling Prop 13 Grant - A.V.	Total
Completion (or Termination) Dates	05/31/16	not applicable	06/30/17	06/30/17	06/30/17	not applicable	
Agreement Amounts	\$ 1,607,477	\$ -	\$ 5,107,160	\$ 4,535,127	\$ 1,046,193	\$ -	\$ 12,295,957
Claimed	(1,607,477)	-	(3,134,436)	(4,413,807)	(1,038,301)	-	(10,194,020)
<b>Grant and Loan Balance Remaining</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,972,724</b>	<b>\$ 121,320</b>	<b>\$ 7,892</b>	<b>\$ -</b>	<b>\$ 2,101,937</b>

**c. Upper Narrows Emergency**

*FEMA/Cal OES PW 1136 Revised Grant Limit - Completion 12/27/15	\$	7,954,740	
Eligible Cost Incurred 12/26/10 - 11/06/16		(7,750,326)	
<b>Grant Balance Remaining</b>	<b>\$</b>	<b>204,414</b>	
Funding Received or To Be Received:			
FEMA (Claims x .90 x .7500)	\$ 5,231,470		
Cal OES (Claims x .90 x .1875)	1,307,868	6,539,338	
VVWRA Share:			
VVWRA (Claims x .0625)	484,395	484,395	
10% Retention to Be Received upon Completion:			
(Claim - VVWRA portion) x .10	726,593	726,593	
	\$	7,750,326	

**d. Upper Narrows Replacement**

*FEMA/Cal OES PW 828 Grant Limit - Completion 12/27/15	\$	33,124,002		
Eligible Costs Incurred 04/01/11 - 08/31/16		(33,124,002)		
<b>Grant Balance Remaining</b>	<b>\$</b>	<b>-</b>		
Funding Received or Expected to Receive:				
FEMA (Claims x .90 x .7500)	\$ 22,358,701			
Cal OES (Claims x .90 x .1875)	5,589,675	27,948,377		
VVWRA Share:				
VVWRA (Claims x .0625)	2,070,250	2,070,250		
10% Retention to Be Received upon Completion:				
(Claim - VVWRA portion) x .10	3,105,375	3,105,375		
	\$	33,124,002		
	Incurred	Claimed	Remaining	
* SRF Loan	Construction	1,655,130	(1,655,130)	-
	Change Orders	1,825,000	(1,825,000)	-
	Soft Costs	806,250	(806,250)	-
		4,286,380	(4,286,380)	-

**Victor Valley Wastewater Reclamation Authority**  
**Statement of Net Position**  
**March 31, 2018**

<i>Assets and Deferred Outflows of Resources</i>	<b>2018</b>
Current assets:	
Cash and cash equivalents	\$ 13,477,300
Interest receivable	9,630
Accounts receivable	4,369,283
Receivable from FEMA Grants	4,092,617
Accounts receivable - Other	9,609
Allowance for Doubtful Accounts	(64,828)
Materials and supplies inventory	86,516
Prepaid expenses and other deposits	216,266
Total current assets	22,196,393
Fixed assets:	
Capital assets not being depreciated	84,666,986
Capital assets being depreciated	115,142,234
Total capital assets	199,809,220
Total assets	222,005,613
Deferred outflows of resources	
Deferred outflows of resources - pension	1,743,035
<b>Total</b>	<b>\$ 223,748,648</b>
<i>Liabilities, Deferred Inflows of Resources, and Net Position</i>	
Current liabilities:	
Accounts payable and accrued expenses	\$ 1,833,440
Accrued interest on long-term debt	75,383
Long-term liabilities - due within one year:	
Compensated absences	48,647
Loans payables	1,849,149
Other payables	6,698,461
Total current liabilities	10,505,080
Non-current liabilities:	
Long-term liabilities - due in more than one year:	
Compensated absences	219,396
Other post employment benefits payable	1,419,041
Loans payable	82,042,474
Net Pension Liability	5,011,624
Other payables	446,247
Total non-current liabilities:	89,138,782
Total liabilities	99,643,862
Deferred inflows of resources	
Deferred inflows of resources - pension	165,023
Net position:	
Net position as of 6/30/17	125,556,639
Restricted for SRF loan covenant	5,283,677
Decrease in net position FY 18	(6,663,690)
Total net position	123,939,763
<b>Total</b>	<b>\$ 223,748,648</b>

**Victor Valley Wastewater Reclamation Authority**  
**Revenues and Expenses**  
**Operations and Maintenance**  
For the Month Ended March 31, 2018

	Actual March 2018	YTD Actual FY 17-18	Approved Budget FY 17-18
<b>REVENUES</b>			
User Charges	\$ 1,155,359	\$ 9,994,130	\$ 13,661,700
Sludge Flow Charge	11,257	82,668	137,074
High Strength Waste Surcharges	-	14,851	25,000
ADM FOG Tipping Fee Revenue	28,628	228,986	205,000
Septage Receiving Facility Charges	49,693	470,503	609,000
Reclaimed Water Sales	1,544	13,473	44,000
Potable Well Water Sales	58	701	650
Leased Property Income	50	450	600
Interest	122	617	-
Pretreatment Fees	5,400	42,500	51,200
Finance Charge	-	-	-
Grant - FEMA/Cal-EMA	-	-	747,034
Grant - Proposition 1	-	-	458,297
Grant- Water Recycling	-	-	246,466
Grant- CEC Microgrid	-	318,727	-
Sale of Assets, Scrap, & Misc Income	3,621	7,498	-
<b>Total REVENUES</b>	<b>\$ 1,255,732</b>	<b>\$ 11,175,104</b>	<b>\$ 16,186,021</b>
<b>EXPENSES</b>			
Personnel	\$ 382,596	\$ 3,083,914	\$ 4,086,603
Maintenance	150,384	1,276,650	2,919,360
Operations	266,511	1,973,707	3,066,985
Administrative	205,100	1,385,678	2,270,884
Construction	-	-	2,389,065
<b>Total EXPENSES</b>	<b>\$ 1,004,591</b>	<b>\$ 7,719,949</b>	<b>\$ 14,732,897</b>
<b>Revenues over Expenses before Depreciation, Debt Service and Transfers</b>	<b>\$ 251,141</b>	<b>\$ 3,455,155</b>	<b>\$ 1,453,124</b>
Depreciation Expense	(674,711)	(6,074,032)	-
<b>DEBT SERVICE</b>			
SRF Interest	\$ -	\$ -	\$ 361,138
<b>FUND TRANSFERS IN</b>			
Salary/Benefits Charge from Capital	\$ 8,712	\$ 52,272	-
Admin Charge from Capital	3,311	19,863	-
<b>Total FUND TRANSFERS IN</b>	<b>\$ 12,023</b>	<b>\$ 72,135</b>	<b>-</b>
<b>FUND TRANSFERS OUT</b>			
Transfer to Repairs and Replacements Fund	\$ -	\$ -	\$ 247,500
Inter-fund loan payment to Capital	-	(3,254)	-
<b>Total FUND TRANSFERS OUT</b>	<b>\$ -</b>	<b>\$ (3,254)</b>	<b>\$ 247,500</b>
<b>Excess Revenues Over Expenses</b>	<b>\$ (411,547)</b>	<b>\$ (2,549,996)</b>	<b>\$ 844,486</b>



**Victor Valley Wastewater Reclamation Authority**  
**Revenues and Expenditures**  
**Repairs and Replacement**  
For the Month Ended March 31, 2018

	Actual March 2018	YTD Actual FY 17-18	Approved Budget FY 17-18
<b>REVENUES</b>			
R&R Revenues	\$ -	\$ -	\$ -
<b>Total REVENUES</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
<b>OTHER FINANCING SOURCES</b>			
SRF Loan Funding	\$ -	\$ -	\$ -
<b>CAPITAL EXPENSES</b>			
Personnel	\$ -	-	\$ -
Maintenance	-	43,045	242,500
Operations	13,392	101,540	-
Administrative	-	-	5,000
Construction	-	2,050	-
<b>Total CAPITAL EXPENSES</b>	<u>\$ 13,392</u>	<u>\$ 146,634</u>	<u>\$ 247,500</u>
<b>Revenues over Expenses before Debt Service and Transfers</b>	<u>\$ (13,392)</u>	<u>\$ (146,634)</u>	<u>\$ (247,500)</u>
<b>DEBT SERVICE</b>			
SRF Interest	\$ -	-	\$ -
<b>FUND TRANSFERS IN</b>			
Transfer from Operations and Maintenance Fund	\$ -	247,500	\$ 247,500
Interfund Loan Payment from O&M	-	-	-
<b>Total FUND TRANSFERS IN</b>	<u>\$ -</u>	<u>\$ 247,500</u>	<u>\$ 247,500</u>
<b>FUND TRANSFERS OUT</b>			
Salary/Benefits Charge to O & M	\$ -	-	\$ -
Admin Charge to O & M	-	-	-
<b>Total FUND TRANSFERS OUT</b>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
<b>Excess Revenues Over Expenses</b>	<u>\$ (13,392)</u>	<u>\$ 100,866</u>	<u>\$ -</u>

*Accrual Basis*

Victor Valley Wastewater Reclamation Authority  
Revenues and Expenditures  
**CAPITAL**  
For the Month Ended March 31, 2018

	<u>Actual</u> <u>March 2018</u>	<u>YTD Actual</u> <u>FY 17-18</u>	<u>Approved Budget</u> <u>FY 17-18</u>
<b>REVENUES</b>			
Connection Fees	\$ 171,391	\$ 1,127,472	\$ 878,900
Title 16 Grant - Subregional	-	-	-
Grant- Water Recycling	-	370,814	157,577
Sale of Assets, Scrap, & Misc Income	-	-	-
Interest	4,853	51,054	38,000
Proposition 1 Grant	-	786,964	293,010
Proposition 84 Grant	-	-	-
FMV Adjustment	-	1,612	-
Grant - FEMA/Cal-EMA	-	-	3,105,375
<b>Total REVENUES</b>	<u>\$ 176,244</u>	<u>\$ 2,337,916</u>	<u>\$ 4,472,862</u>
<b>CAPITAL EXPENSES</b>			
Personnel	\$ -	-	\$ 416,716
Maintenance	-	-	40,000
Operations	-	-	170
Administrative	-	(2,054)	140,000
Construction	467,309	6,309,958	2,482,435
<b>Total CAPITAL EXPENSES</b>	<u>\$ 467,309</u>	<u>\$ 6,307,904</u>	<u>\$ 3,079,321</u>
<b>Revenues over Expenses before Debt Service and Transfers</b>	<u>\$ (291,065)</u>	<u>\$ (3,969,988)</u>	<u>\$ 1,393,541</u>
<b>DEBT SERVICE</b>			
SRF Interest	\$ -	175,691	\$ 209,281
	<u>                    </u>	<u>                    </u>	<u>209,281</u>
<b>FUND TRANSFERS IN</b>			
Capital Recovery - Septage from O&M	\$ -	-	-
Interfund Loan Payment from O&M	-	3,254	-
<b>Total FUND TRANSFERS IN</b>	<u>\$ -</u>	<u>3,254</u>	<u>\$ -</u>
<b>FUND TRANSFERS OUT</b>			
Salary/Benefits Charge to O & M	\$ 8,712	52,272	-
Admin Charge to O & M	3,311	19,863	-
<b>Total FUND TRANSFERS OUT</b>	<u>\$ 12,023</u>	<u>72,135</u>	<u>\$ -</u>
<b>Excess Revenues Over Expenses</b>	<u>\$ (303,088)</u>	<u>\$ (4,214,560)</u>	<u>\$ 1,184,260</u>

*Accrual Basis*

**VICTOR VALLEY WASTEWATER RECLAMATION AUTHORITY**  
**SRF LOAN SUMMARY**  
 March 31, 2018

Existing 9.5 MGD Capital Improvements	Existing 11 MGD Expansion	Existing North Apple Valley Interceptor	Existing Phase IIIA Regulatory Upgrades	Existing UN Replacement Project	In Progress Nanticoke Pump Station Bypass	In Progress Apple Valley Subregional	In Progress Hesperia Subregional	Total Agreed SRF Loans
\$ 4,069,859.00	\$ 11,430,726.00	\$ 4,084,688.00	\$ 18,581,561.00	\$ 4,286,380.00	\$ 4,459,190.00	\$ 27,129,023.47	\$ 40,658,809.92	\$ 114,700,237.39
2.60%	0.00%	2.50%	2.70%	1.90%	1.90%	1.00%	1.00%	Varies
-	1,905,159.00	-	-	-	-	-	-	1,905,159.00
n/a	n/a	n/a	3,000,000.00	n/a	n/a	n/a	n/a	3,000,000.00
4,069,859.00	9,525,567.00	4,084,688.00	15,717,667.66	4,286,380.00	4,459,190.00	27,129,023.47	40,658,809.92	109,931,185.05
265,049.56	579,869.96	258,151.05	1,027,609.73	257,745.38	238,350.61	1,050,520.94	1,574,511.25	5,251,808.48
September 15	April 3	February 13	June 30	December 31	June 30	February 28	February 28	Varies
20	20	20	20	20	20	30	30	Varies
2	5	7	15	15	20	30	30	Varies
<b>510,119.27</b>	<b>2,218,127.18</b>	<b>1,421,928.33</b>	<b>12,538,025.97</b>	<b>3,187,940.73</b>	<b>4,459,190.00</b>	<b>27,129,023.47</b>	<b>40,658,809.92</b>	<b>92,123,164.87</b>
3,559,739.73	7,307,439.82	2,662,759.67	3,179,641.69	1,098,439.27	-	-	-	17,808,020.18
1,154,214.00	1,803,806.32	934,964.01	1,900,631.83	110,860.41	-	-	-	5,904,476.57
Sept. 15, 2000	April 3, 2003	Feb. 13, 2005	June 30, 2013	Dec. 31, 2016	Jun 30, 2018	February 28 2019	February 28 2019	Varies
Sept. 15, 2019	April 3, 2022	Feb. 13, 2024	June 30, 2032	Dec. 31, 2032	Jun. 30, 2037	February 28, 2048	February 28, 2048	Varies
2.544%	1.850%	2.499%	2.700%	1.900%	1.900%	1.00%	1.00%	Varies

**SRF LOANS**

Original Amount Financed  
 SRF Interest Rate (fixed)  
 Local Match Amount  
 Principal Forgiveness  
 SRF Amount Borrowed  
 Annual Payment Amount  
 Annual Payment Due Date  
 Loan Term (years)  
 Years remaining

**DEBT SERVICE**

Loan Outstanding Balance  
 Principal Paid to Date  
 Interest Paid to Date  
 First Payment Date  
 Final Payment Date  
 Effective interest rate

\* An imputed interest rate is 1.707% per annum.

**Victor Valley Wastewater Reclamation Authority  
Flow Study  
For the Month Ended February 28, 2018**

<b>Measured by ADS</b>	<b>Percentage of Total %</b>	<b>February Monthly MG</b>	<b>Total %</b>	<b>Quarterly MG</b>
VSD 1 (less North Apple Valley)	5.9257%	19.4300	6.0754%	63.8440
VSD 2	14.4236%	47.2940	14.2237%	149.4720
VSD 3	26.2833%	86.1810	26.2002%	275.3300
VSD 4	7.1953%	23.5930	7.2846%	76.5520
VSD 5	0.4575%	1.5000	0.4405%	4.6290
VSD 6	6.2979%	20.6505	6.1821%	64.9655
<b>VSD Total</b>	<b>60.5833%</b>	<b>198.6485</b>	<b>60.4065%</b>	<b>634.7925</b>
Apple Valley 01	10.3348%	33.8870	10.2874%	108.1072
Apple Valley 02	5.4143%	17.7530	5.4116%	56.8688
Apple Valley North	0.1043%	0.3420	0.1039%	1.0920
<b>Apple Total</b>	<b>15.8534%</b>	<b>51.9820</b>	<b>15.8029%</b>	<b>166.0680</b>
<b>Hesperia</b>	<b>18.4368%</b>	<b>60.4530</b>	<b>18.6045%</b>	<b>195.5090</b>
CSA 64 SVL	4.6421%	15.2210	4.7013%	49.4040
CSA 42 Oro Grande	0.4843%	1.5880	0.4848%	5.0950
<b>CSA Total</b>	<b>5.1264%</b>	<b>16.8090</b>	<b>5.1861%</b>	<b>54.4990</b>
<b>Total Apportioned Flow</b>	<b>99.9998%</b>	<b>327.8925</b>	<b>100.0000%</b>	<b>1,050.8685</b>
Mojave Narrows Regional Park		0.1000		0.3000
<b>Total Study Flow</b>		<b>327.9925</b>		<b>1051.1685</b>

**Subregional Water Reclamation Plant Projects**  
**3/31/2018**  
**Apple Valley**

**Costs Incurred Up to 3/31/2018**

		Expended to Date	Contract Amount	Total Remaining
<b>Planning/Design/Construction Management</b>				
	Planning	1,224,868	970,271	(254,597)
	(Carollo/HDR) Design	2,552,681	3,117,326	564,645
	(MWH) Construction Management	2,089,402	1,455,410	(633,992)
	(Carollo/HDR) Engineering Services During Construction	1,816,322	1,610,418	(205,904)
	Sub-Total	7,683,273	7,153,425	(529,848)
<b>Construction</b>				
	Construction	32,843,337	32,670,000	(173,337)
		Expended to Date	Contract Amount	
<b>Change Order (Contingency)</b>			SRF Loan	Lyles
	Planning/Design/Construction Management	-	1,001,640	-
	Construction - Cascade Drilling	256,448	376,986	-
	Construction - Lyles	709,845	624,654	500,000
	Sub-Total	966,293	2,003,280	500,000
<b>Total</b>		<b>41,492,903</b>	<b>42,326,705</b>	<b>1,800,095</b>

**Eligible for Reimbursements**

		Claimed	Contract Amount	Total Remaining
	Title 16	2,404,756	2,419,631	14,875
	Proposition 13 - Recycling Grant	3,992,563	4,000,000	7,437
	Proposition 84-AV Construction Cost	772,414	1,487,478	715,064
	Proposition 01-AV Planning/Design/Construction Management	1,038,301	1,046,193	7,892
	Proposition 01-AV Construction Cost	7,812,299	8,135,648	323,349
	<b>Total Grants</b>	<b>16,020,333</b>	<b>17,088,950</b>	<b>1,068,617</b>
	<i>% of Total Project</i>		39%	
	SRF-AV Planning/Design/Construction Management	4,413,807	4,535,127	121,320
	SRF-AV Construction Cost	21,058,763	22,537,632	1,478,869
<b>Total</b>		<b>41,492,903</b>	<b>44,161,709</b>	<b>2,668,806</b>

**Claims Made as of 3/31/2018**

		Requested	Contract Amount	Total Remaining
	Title 16	2,404,756	2,419,631	14,875
	Proposition 13 - Recycling Grant	3,992,563	4,000,000	7,437
	Proposition 84-AV Construction Cost	772,414	1,487,478	715,064
	Proposition 01-AV Planning/Design/Construction Management	1,038,301	1,046,193	7,892
	Proposition 01-AV Construction Cost	7,812,299	8,135,648	323,349
	<b>Total Grants</b>	<b>16,020,333</b>	<b>17,088,950</b>	<b>1,068,617</b>
	SRF-AV Planning/Design/Construction Management	4,413,807	4,535,127 *	121,320
	SRF-AV Construction Cost	20,467,553	22,537,632	2,070,079
<b>Total</b>		<b>40,901,693</b>	<b>44,161,709</b>	<b>3,260,016</b>

\*Note: Proposition 01 grant of \$9.2M reduces AV SRF loan to \$4.5M.

**Subregional Water Reclamation Plant Projects**  
**3/31/2018**  
**Hesperia**

**Costs Incurred Up to 3/31/2018**

		Expended to Date	Contract Amount	Total Remaining
<b>Planning/Design/Construction Management</b>				
	Planning	861,802	624,264	(237,538)
	(Carollo/HDR) Design	3,106,096	3,580,792	474,696
	(MWH) Construction Management	2,503,033	1,479,914	(1,023,119)
	(Carollo/HDR) Engineering Services During Construction	1,625,913	1,687,052	61,139
	Sub-Total	8,096,844	7,372,022	(724,822)
<b>Construction</b>				
	Construction	33,058,585	33,220,000	161,415
		Expended to Date	Contract Amount	
			SRF Loan	Lyles
<b>Change Order (Contingency)</b>				
	Planning/Design/Construction Management	-	1,111,398	-
	Construction - Cascade Drilling	468,657	383,334	-
	Construction - Lyles	708,198	728,063	500,000
	Sub-Total	1,176,855	2,222,795	500,000
<b>Total</b>		<b>42,332,284</b>	<b>43,314,817</b>	<b>982,533</b>

**Eligible for Reimbursements**

		Claimed	Contract Amount	Total Remaining
	Title 16	2,445,244	2,460,369	15,125
	Proposition 84-HES Construction Cost	2,227,586	1,512,522	(715,064)
	<b>Total Grants</b>	<b>4,672,830</b>	<b>3,972,891</b>	<b>(699,939)</b>
	<i>% of Total Project</i>		9%	
	SRF-HES Planning/Design/Construction Management	3,134,436	7,329,955	4,195,519
	SRF-HES Construction Cost	34,525,018	33,220,000	(1,305,018)
<b>Total</b>		<b>42,332,284</b>	<b>44,522,846</b>	<b>2,190,562</b>

**Claims Made as of 3/31/2018**

		Requested	Contract Amount	Total Remaining
	Title 16	2,445,244	2,460,369	15,125
	Proposition 84-HES Construction Cost	2,227,586	1,512,522	(715,064)
	<b>Total Grants</b>	<b>4,672,830</b>	<b>3,972,891</b>	<b>(699,939)</b>
	SRF-HES Planning/Design/Construction Management	3,134,436	7,329,955	4,195,519
	SRF-HES Construction Cost	32,316,234	33,220,000	903,766
<b>Total</b>		<b>40,123,500</b>	<b>44,522,846</b>	<b>4,399,346</b>

**Nanticoke Interceptor**  
3/31/2018

<b>Costs Incurred Up to 3/31/2018</b>		<b>Expended to Date</b>	<b>Contract Amount</b>	<b>Total Remaining</b>
<b>Planning/Design/Construction Management</b>				
	Planning		342,397	342,397
	Design		101,524	101,524
	Construction Management	476,557	407,373	(69,184)
	Engineering Services During Construction			-
	<b>Sub-Total</b>	<b>476,557</b>	<b>851,294</b>	<b>374,737</b>
<b>Construction</b>				
	Construction - Christensen Brothers GE Inc.	3,202,494	3,207,896	5,402
<b>Change Order (Contingency)</b>		<b>Expended to Date</b>	<b>Contract Amount</b>	
	Planning/Design/Construction Management		<b>SRF Loan</b>	
	Construction	780,139	400,000	(380,139)
	<b>Sub-Total</b>	<b>780,139</b>	<b>400,000</b>	<b>(380,139)</b>
<b>Total</b>		<b>4,459,190</b>	<b>4,459,190</b>	<b>-</b>

<b>Eligible for Reimbursements</b>		<b>Claimed</b>	<b>Contract Amount</b>	<b>Total Remaining</b>
	SRF-Planning/Design/Construction Management	476,557	851,294	374,737
	SRF-Construction Cost	3,982,633	3,607,896	(374,737)
<b>Total</b>		<b>4,459,190</b>	<b>4,459,190</b>	<b>-</b>

<b>Claims Made as of 3/31/2018</b>		<b>Requested</b>	<b>Contract Amount</b>	<b>Total Remaining</b>
	SRF-Planning/Design/Construction Management	476,557	851,294	374,737
	SRF-Construction Cost	3,982,633	3,607,896	(374,737)
<b>Total</b>		<b>4,459,190</b>	<b>4,459,190</b>	<b>-</b>

VWRA  
Upper Narrows Interceptor and Emergency Projects  
3/31/2018

Upper Narrows Interceptor and Emergency Projects  
3/31/2018

Upper Narrows Interceptor (E004)

<u>Planning/Design/Construction Management</u>		Expended to Date	Contract Amount	Total Remaining
Planning		449,368	277,990	(171,378)
(Tetra Tech) Design		737,952	783,481	45,529
(URS/AECOM) Construction Management		1,642,759	993,673	(649,086)
(TetraTech) Engineering Services During Construction		531,269	348,290	(182,979)
<b>Total</b>		<b>3,361,348</b>	<b>2,403,434</b>	<b>(957,914)</b>
<u>Construction</u>				
Construction - J.W. Fowler		26,136,908	26,482,075	345,167
Construction - AV Construction		1,525,267	863,371	(661,896)
<u>Contingency</u>		Expended to Date	Contract Amount	
(Tetra Tech) Design		-	-	-
(URS/AECOM) Construction Management		271,346	325,612	54,266
(TetraTech) Engineering Services During Construction		-	-	-
Construction - J.W. Fowler		3,536,620	3,536,620	
Construction - AV Construction		214,287	214,287	-
<b>Total</b>		<b>35,045,776</b>	<b>33,825,399</b>	<b>(1,220,377)</b>

Claimed to Date

FEMA/CalOES	27,948,377	29,811,603	1,863,226
FEMA/CalOES 10% Retention	3,105,375	3,312,400	207,025
UNR SRF Loan	3,515,952		
<b>Total</b>	<b>34,569,704</b>	<b>33,124,003</b>	<b>2,070,251</b>

Upper Narrows Emergency (E003)

Spent to Date 3/31/2018

<u>Planning/Design/Construction Management</u>	Expended to Date
Materials	811,401
Rented Equipment	3,226,387
Contracts	3,899,051
Force Account OT	42,805
Force Equipment	274,341
<b>Total</b>	<b>8,253,985</b>

Received to Date

FEMA/CalOES	6,539,338
FEMA/CalOES 10% Retention	726,593
Total Grants to Date	7,265,931
VWRA 6.25% Unreimbursable Cost	484,395
<b>Total</b>	<b>7,750,326</b>



VVWREA  
Flow Measured by ADS  
February 2018

Date	Flows Measured by ADS										Flows not measured by ADS			ADS-UMetered Flow	Mag Meter Flow Data	Variance			
	AppleValley No1 MPI Q/FINAL	AppleValley No2 MPI Q/FINAL	CSA 42 MPI Q/FINAL	CSA 64 MPI Q/FINAL	Essexville MPI Q/FINAL	NAVI MPI Q/FINAL	VSD No1 MPI 1-mo NAVI Q/FINAL	VSD No2 MPI Q/FINAL	VSD No3 MPI Q/FINAL	VSD No4 MPI Q/FINAL	VSD No5 MPI Q/FINAL	VSD No6 MPI Q/FINAL	ADS Totals				COVW FWWTP Wastewater (mgd)	COVW FWWTP Sludge (tpd)	COVW CNA64 Park
2/1/2018	1,1350	6,6150	0,0570	0,5290	2,1540	0,0110	0,6840	1,7030	3,0210	0,0520	0,5520	0,5520	11,3540	0,0000	0,0268	0,0036	11,3844	10,3320	1,0524
2/2/2018	1,1680	6,6520	0,0590	0,5290	2,1420	0,0100	0,6840	1,6670	3,0280	0,0540	0,5540	0,5540	11,3555	0,0000	0,0268	0,0036	11,3659	10,3880	1,1779
2/3/2018	1,1830	6,6470	0,0550	0,5410	2,1680	0,0130	0,6760	1,6840	3,0970	0,0520	0,5520	0,5520	11,6925	0,0000	0,0268	0,0036	11,7259	10,3660	1,1369
2/4/2018	1,1970	6,6470	0,0560	0,5740	2,1660	0,0130	0,6930	1,6930	3,2290	0,0520	0,5520	0,5520	11,9405	0,0000	0,0268	0,0036	11,9709	10,2460	0,7249
2/5/2018	1,2130	6,6500	0,0570	0,5420	2,1230	0,0090	0,6710	1,6820	3,0960	0,0520	0,5520	0,5520	11,6825	0,0000	0,0268	0,0036	11,6825	10,6940	0,9889
2/6/2018	1,2330	6,6500	0,0540	0,5470	2,1190	0,0080	0,6810	1,6830	3,0430	0,0520	0,5520	0,5520	11,4955	0,0000	0,0268	0,0036	11,6259	7,9010	3,7249
2/7/2018	1,1970	6,6320	0,0540	0,5470	2,1190	0,0080	0,6760	1,6790	2,9640	0,0520	0,5520	0,5520	11,4985	0,0000	0,0268	0,0036	11,5789	10,5380	0,6409
2/8/2018	1,1970	6,6270	0,0540	0,5320	2,1290	0,0110	0,6760	1,6790	2,9740	0,0520	0,5520	0,5520	11,4985	0,0000	0,0268	0,0036	11,7059	11,3180	0,3879
2/9/2018	1,3180	6,6220	0,0510	0,5450	2,1430	0,0100	0,6660	1,6790	3,0540	0,0540	0,5540	0,5540	11,6755	0,0000	0,0268	0,0036	11,6429	11,0390	0,6099
2/10/2018	1,1810	6,6420	0,0490	0,5450	2,1710	0,0100	0,7100	1,6840	3,2490	0,0520	0,5520	0,5520	11,6465	0,0000	0,0268	0,0036	11,6759	10,5340	1,2819
2/11/2018	1,2100	6,6390	0,0530	0,5710	2,1910	0,0090	0,7040	1,6750	3,1990	0,0520	0,5520	0,5520	11,7290	0,0000	0,0268	0,0036	11,7059	11,1100	0,9459
2/12/2018	1,2010	6,6450	0,0570	0,5760	2,1670	0,0110	0,6980	1,6750	3,0880	0,0520	0,5520	0,5520	11,8355	0,0000	0,0268	0,0036	11,8659	10,6320	1,1274
2/13/2018	1,1980	6,6130	0,0570	0,5480	2,1320	0,0110	0,6620	1,6810	3,0570	0,0520	0,5520	0,5520	11,6600	0,0000	0,0268	0,0036	11,6024	8,8380	2,7644
2/14/2018	1,2870	6,6140	0,0560	0,5380	2,1930	0,0120	0,6620	1,6810	3,0760	0,0520	0,5520	0,5520	11,6600	0,0000	0,0268	0,0036	11,6904	12,2760	-0,5356
2/15/2018	1,1900	6,6200	0,0500	0,5190	2,1660	0,0130	0,6990	1,6930	3,0450	0,0520	0,5520	0,5520	11,6300	0,0000	0,0268	0,0036	11,6604	10,2470	1,2764
2/16/2018	1,1980	6,6200	0,0500	0,5250	2,1660	0,0140	0,6880	1,6500	3,1130	0,0520	0,5520	0,5520	11,6300	0,0000	0,0268	0,0036	11,7054	10,4270	1,2764
2/17/2018	1,1980	6,6170	0,0480	0,5250	2,1660	0,0130	0,6880	1,6500	3,1130	0,0520	0,5520	0,5520	11,6300	0,0000	0,0268	0,0036	11,6444	10,4810	1,0634
2/18/2018	1,1560	6,6170	0,0480	0,5270	2,1880	0,0160	0,7040	1,7220	3,2330	0,0520	0,5520	0,5520	12,1140	0,0000	0,0268	0,0036	12,1454	11,5140	0,6294
2/19/2018	1,2290	6,6780	0,0500	0,5470	2,1440	0,0160	0,7040	1,7220	3,2330	0,0520	0,5520	0,5520	12,1140	0,0000	0,0268	0,0036	11,8384	11,0220	0,8164
2/20/2018	1,2160	6,6410	0,0710	0,5470	2,1650	0,0150	0,6980	1,7110	3,0620	0,0520	0,5520	0,5520	11,9880	0,0000	0,0268	0,0036	11,8384	10,9270	0,8944
2/21/2018	1,2190	6,6510	0,0630	0,5390	2,1690	0,0150	0,6750	1,7080	2,9820	0,0520	0,5520	0,5520	11,8110	0,0000	0,0268	0,0036	11,5814	10,9150	0,6664
2/22/2018	1,2110	6,6120	0,0620	0,5420	2,1990	0,0150	0,6750	1,7080	3,0960	0,0520	0,5520	0,5520	11,6510	0,0000	0,0268	0,0036	11,5814	10,3390	1,2384
2/23/2018	1,1900	6,6170	0,0620	0,5280	2,1480	0,0140	0,6960	1,7270	3,0580	0,0520	0,5520	0,5520	11,6510	0,0000	0,0268	0,0036	11,5814	11,0220	0,6664
2/24/2018	1,2040	6,6600	0,0560	0,5390	2,1870	0,0140	0,6960	1,7270	3,0580	0,0520	0,5520	0,5520	11,6510	0,0000	0,0268	0,0036	11,5814	11,0220	0,6664
2/25/2018	1,1970	6,7010	0,0550	0,5660	2,2030	0,0130	0,7260	1,7690	3,1790	0,0540	0,5540	0,5540	12,0680	0,0000	0,0268	0,0036	12,1184	10,9260	0,9844
2/26/2018	1,2480	6,6420	0,0620	0,5660	2,1670	0,0130	0,7330	1,6920	3,0930	0,0540	0,5540	0,5540	11,8430	0,0000	0,0268	0,0036	11,8734	10,9260	0,9844
2/27/2018	1,2480	6,6500	0,0640	0,5370	2,1720	0,0140	0,7080	1,6740	3,0520	0,0520	0,5520	0,5520	11,6610	0,0000	0,0268	0,0036	11,7114	10,9260	1,1824
2/28/2018	1,1930	6,6200	0,0650	0,5460	2,1990	0,0170	0,7370	1,6570	3,0550	0,0520	0,5520	0,5520	11,6810	0,0000	0,0268	0,0036	11,7114	10,2080	1,5024
TOTALS	33,8870	177,7530	1,3800	15,2210	69,4530	0,3430	19,4300	47,7940	86,4180	1,5000	1,5000	1,5000	327,8925	0,0000	0,7891	0,1000	328,7437	299,2800	29,8449%

VSD 1 data was revised to exclude NAVI flow.  
CSA64 Mag Meter Narrows added 0.1MG to agreement.

# *Victor Valley Wastewater Reclamation Authority*



## *Operations and Maintenance Report*

*April 2018*

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VWRA O&M Monthly Report – April 2018

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**Victor Valley Wastewater Reclamation Authority  
Operations and Maintenance Report  
April 2018**

**TO:** Logan Olds, General Manager  
**FROM:** Operations & Maintenance Staff  
**SUBJECT:** OPERATIONS/MAINTENANCE REPORT  
**DATE:** May 8, 2018

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The following information details the operation of the Victor Valley Wastewater Reclamation Authority Facility. Included in this report is pertinent information regarding flows, process control information, process sampling, permit requirements, operations activities, and facility maintenance activities. This report is based on O&M activities for April 2018.

	Total	Average
Effluent to Mojave	162.713	5.4238
Effluent to Ponds	161.1843	5.3728
		Limit
Biochemical Oxygen Demand (BOD)		10 mg/l
Effluent to Mojave	<4.48	
Percent Removal	>98.65	
		Limit
Total Suspended Solids (TSS)		10 mg/l
Effluent to Mojave	<2.5	
Percent Removal	>99.29	
		Limit
Turbidity		2.0 ntu
30 Day Average	0.54	

## Major Operations Activities

### Headworks

The Headworks area operated as intended throughout the months with normal equipment maintenance performed on a weekly basis.

### Primary Treatment

Overall removal efficiency of the primary clarifiers was 44.30% removal of influent BOD and 68.69% removal of TSS. Typical operating parameters are 25 to 35 percent removal of BOD and 50 to 60 percent removal of TSS. The primary sludge concentration averaged 3.36% total solids at 62,348.1 gallons per day.

Primary clarifiers: #1,#2 ,#3, #5, #6 #7, #8 are currently online and continue to treat all incoming flow. Primaries #1 remained offline for the month. With one clarifiers off line, the remaining 7 primary clarifiers are capable of treating peak flows up to 27 MGD.

The digester gas conditioning system remains online. The system will prevent premature wear and tear on engines #2 & #3 by removing siloxanes by the addition of ferric chloride. The system increases fuel pressure to the blower gas system, allowing for more output from the blower engine. Digester #4 and 5 gas is mixed and sent to the gas conditioning system. This all but eliminates the use of Natural gas to run engines #2 and #3.

Staff continues to add ADM/ Grease to Daft #3 from Primaries and truck deliveries where it is the then feed it to Digesters #4 and #5. This operation is assisting in additional grease removal from the primary clarifiers and increased gas production in the anaerobic digesters.

### Secondary Process

Secondary Clarifiers #1 thru #6 are currently offline, not needed at this time.

Aeration basins #1 thru 12 have been retrofitted with the new Aquarius diffusers and are currently performing very well reducing the RPM's on the Piller blower. Currently basins #1-6 and 7-12 are online.

Piller #1 is supplying air to basins #1-6, mixed liquor channel and aerated grit chamber. Piller #6 is in supplying air to AB's #7-12.

Staff continues to monitor the solids under aeration and SVI to compare against the SRT Master Control Program. The SRT Master program is performing well. The secondary process has been performing well as a result of the SRT Master Control Program. Weekly Nitrogen studies performed by VVWRA staff produced results below regulatory requirements.

Thioguard was not used during the month.

Secondary turbidity averaged 1.56 (NTU) during the month of April 2018  
The 30 minute settleometer test averaged 214.2 mL/L.  
The average "pop time" of the MLSS was >97 min.

### **Percolation Ponds**

South percolation ponds #7, #10, #12 and #13 were used and rotated during the month. Percolation Ponds #8 and #11 are offline in preparation for maintenance.

All Percolation Pond freeboard level requirements have been met during the month. All ponds are being rotated on a daily basis.

Percolation Pond #6 remains off line and drained to minimal levels. No flow seepage has been observed.

The north percolation ponds were used sparingly during the month.

### **Tertiary Filters**

Aqua Diamond Filters #1 and #2 were utilized for the month of April. Filter Effluent average Turbidity of 0.68 NTU.

**Solids**

Digester #1 was drained on 8/19/16 and is offline. Digester #2 and #3 remain off line.

Staff has been operating Digester #4 and #5 at predetermined sludge levels which is controlled by the SCADA system.

VVWRA received 714,062 gallons of ADM (Anaerobically Digestible Material) and FOG (Fats Oil and Grease). Total is comprised of 553,562 gallons of ADM and 160,500 gallons of FOG.

A Total 24,850,550 cf/day of gas was created by digesters #4 and 5 for the month of April 2018. That is an average gas production of 828,352 cf/day.

Digester #4 averaged 437,917 cf/day.

Digester #5 averaged 390,434 cf/day.

Digester Volatile Acid/Alkalinity averaged 0.019 for the month.

**Ultra Violet Disinfection (UV)**

The UV system is currently operating via one channel mode.

Monthly UV intensity probe and flow meter calibration checks were performed.

**Permit Continuous Monitoring Requirements and Permit Violations**

All permit required, continuous monitoring equipment was on-line, in calibration and working properly during the month.

**Date of last reportable incident: March 10, 2015**

**Days since last reportable incident: 1149 days**

**Discharge Sampling**

All required samples during the month of April 2018 were collected and processed as scheduled.

**Miscellaneous**


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Otoe Pump Station wet well was cleaned out once in April 2018. Grease removed was transferred to facility scum wet well. Otoe PS grease continues to be pumped to the anaerobic Digesters #4 and #5.

## Maintenance Activities

### CMMS Work Order Activity

#### VWRA KPI Report

5/7/2018

2:34 PM

4/1/2018 - 4/30/2018

KPI	Count	Percent
Planned Work Total	476	
Planned Work Completed	457	96.01%
Planned Work Completed On-Time	349	73.32%
Planned Work Incomplete	19	3.99%
Planned Work Completed Late	112	23.53%
Total Work Completed	646	
Reactive Work Completed	91	14.09%
PM Work Completed	495	76.63%

## Safety

1. Monthly Vehicle Safety Inspections completed.

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2. Monthly gas tech monitor inspections completed.
3. Eyewash safety showers inspected.
4. Monthly SCBA inspections.
  
5. Hazardous storage area inspection.
6. Spill kit inspections.
7. Fall protection refresher (second class).

#### **Preliminary Process**

1. Aqua Guard pre-treatment screen inspected and serviced.
2. Headwork's Conveyor Belt Lube & Inspect.

#### **Primary Process**

1. All PH and conductivity probes cleaned and calibrated.
2. Influent PH and conductivity probe calibrations complete.
3. Primary sludge grinder replacement.
4. Primary clarifier shear pin #2

#### **Secondary Process**

1. Piller blowers 1 & 6 weekly inspections complete.
2. Service Air compressors inspection and service completed.
3. Waukesha engines inspections.
4. Piller #1 and #6 Filters Replacement.



**Tertiary**

1. Monthly gear box and platform drive wheel service complete
2. Filter #1 & #2 monthly platform gear box PM's comp
3. Filter #1 & #2 monthly backwash wasting pumps oil checks complete
4. All PH and conductivity probes cleaned and calibrated

**Ultra Violet Disinfection (UV)**

1. PH and conductivity probes cleaned and calibrated
2. UVT probe calibrated.

**Treatment Disposal**

1. DAFT #1 and #2 Air Compressors 1&2 PM services complete.
2. DAFT #1 lube
3. Digester #4 digester supernate tube cleaning
4. Digester feed valves torque adjustment.

**Miscellaneous Plant**

1. Air handling units for Blower Buildings completed.
2. Broken 3W repair AO.

3. Quarterly plant road sweep.
4. Blower building #2 3W drain line repair.

### **Plant Equipment**

#### **G/CHP 1&2**

1. Monthly UREA refill completed CHP #1 & #2
2. CHP1&2 differential pressure readings taken within normal range, Gas DP pressure collected within normal range
3. Monthly gas samples collected.
4. CHP #2 Cylinder B2 and B4 head.

#### **Gas Conditioning Skid**

1. Gas Blowers oil change complete.
2. Monthly gas sampling collected.

#### **OGPS**

1. Monthly Generator Test completed
2. Pumps pulled and inspected drag

#### **AVPS OTOE**

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VVWRA O&M Monthly Report – April 2018

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1. Grease pump out.
2. Monthly Generator test completed.

**OFFROAD EQUIPMENT**

1. Brown Bear weekly PM's completed.
2. JCB front loader weekly PM's complete.
3. Brown Bear monthly PM.

**FLEET**

1. Monthly fleet inspections completed pumps, vehicles, hose reel trailer, light towers.

# ***Victor Valley Wastewater Reclamation Authority***



## **Environmental Compliance Department Report**

**April 2018**

VWRA Environmental Compliance Department  
Industrial Pretreatment Program

## **I. Interceptors Operation and Maintenance:**

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### **1. Interceptors cleaning & CCTV:**

- ✓ No Cleaning was performed in April

### **2. Interceptors Inspections:**

The following interceptors were visually inspected for signs of damage, vandalism and evidence of sanitary sewer overflows:

- ✓ South Apple Valley & North Apple Valley.
- ✓ Schedule 1, 2, 3 & 4
- ✓ UNE Bypass HDPE pipe
- ✓ Hesperia, I Ave and Santa Fe.
- ✓ CSA 64
- ✓ Adelanto
- ✓ SCLA1

### **3. Damage and repair summary:**

- ✓ No Damage reported

### **4. Sanitary sewer overflows (SSO) summary:**

- ✓ Date of last reportable SSO: September 18<sup>th</sup>, 2018

### **5. Interceptors maintenance budget remaining:**

- ✓ The fiscal year 2016-2018 Interceptor sewer maintenance amount remaining for sewer cleaning and inspection services is \$49021.11

### **6. Dig Alert Underground tickets processed:**

- ✓ A total of Ninety Six (96) USA Tickets were received and processed in April 2018.

### **7. Flow monitoring Studies:**

- ✓ A flow monitoring study by ADS Environmental is continuing.

## II. Industrial pretreatment Activities:

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1. **New Business Questionnaires and permits applications evaluated:**
  - ✓ Five (5) New Business Questionnaires were processed in the month of April 2018.
  - ✓ Zero (0) New Business Inspection was conducted in the month of April 2018.
2. **New permits issued:**
  - ✓ Zero (0) New permits were issued in the month of April 2018.
3. **Permit renewals issued:**
  - ✓ Six (6) Class III permit renewals were issued in the month of April 2018.
4. **Work Orders:**
  - ✓ 54 Work Orders were completed in April 2018
5. **Monthly revenues collected, and invoices issued:**
  - ✓ Revenues: \$2,100
  - ✓ Invoiced: \$4,200

### III. Industrial Pretreatment Activities (continued)

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**1. Current enforcement actions:**

- ✓ Zero (0) Notice of Violation was issued in April 2018.

**2. Current active industrial pretreatment permits:**

- ✓ The current number of VVWRA's industrial wastewater discharge permits is 433, they are comprised as follows:

1	Class I	Categorical Industrial User
11	Class II	Non-Categorical Significant Industrial User
401	Class III	Non-Significant Industrial User
2	Class IV	Zero Discharge Industrial User
9	Class V	Sanitary Waste Haulers

- ✓ The permitted establishments include:

17	Automotive Service Facility
13	Bakery
1	Brewery/Winery
20	Car Wash/Truck Wash/Bus Wash
3	Coffee Shop
9	Dry Cleaner
3293	FSE
22	Grocery Store
3	Hospital
1	Medical
3	Misc. Food
3	Misc. Industrial
3	Other
1	Photographic
1	Print Shop
1	Prison
3	School
4	Water Retail
9	Waste Haulers

- ✓ Permitted businesses are distributed among member entities as follows: 171 in Victorville, 124 in Apple Valley, 123 in Hesperia and 1 in Oro Grande.

***Victor Valley Wastewater Reclamation Authority***



**Environmental Compliance Department**

***Septage/FOG/ADM Monthly Report***

**April 2018**



## 1. Septage/FOG/ADM receiving invoices and payments monthly report:

Payments and Invoices period: April 1<sup>st</sup> thru April 30<sup>th</sup> – Septage rate per Gallon: \$ 0.0936  
FOG/ADM rate per Gallon: \$ 0.04

### Receiving invoices

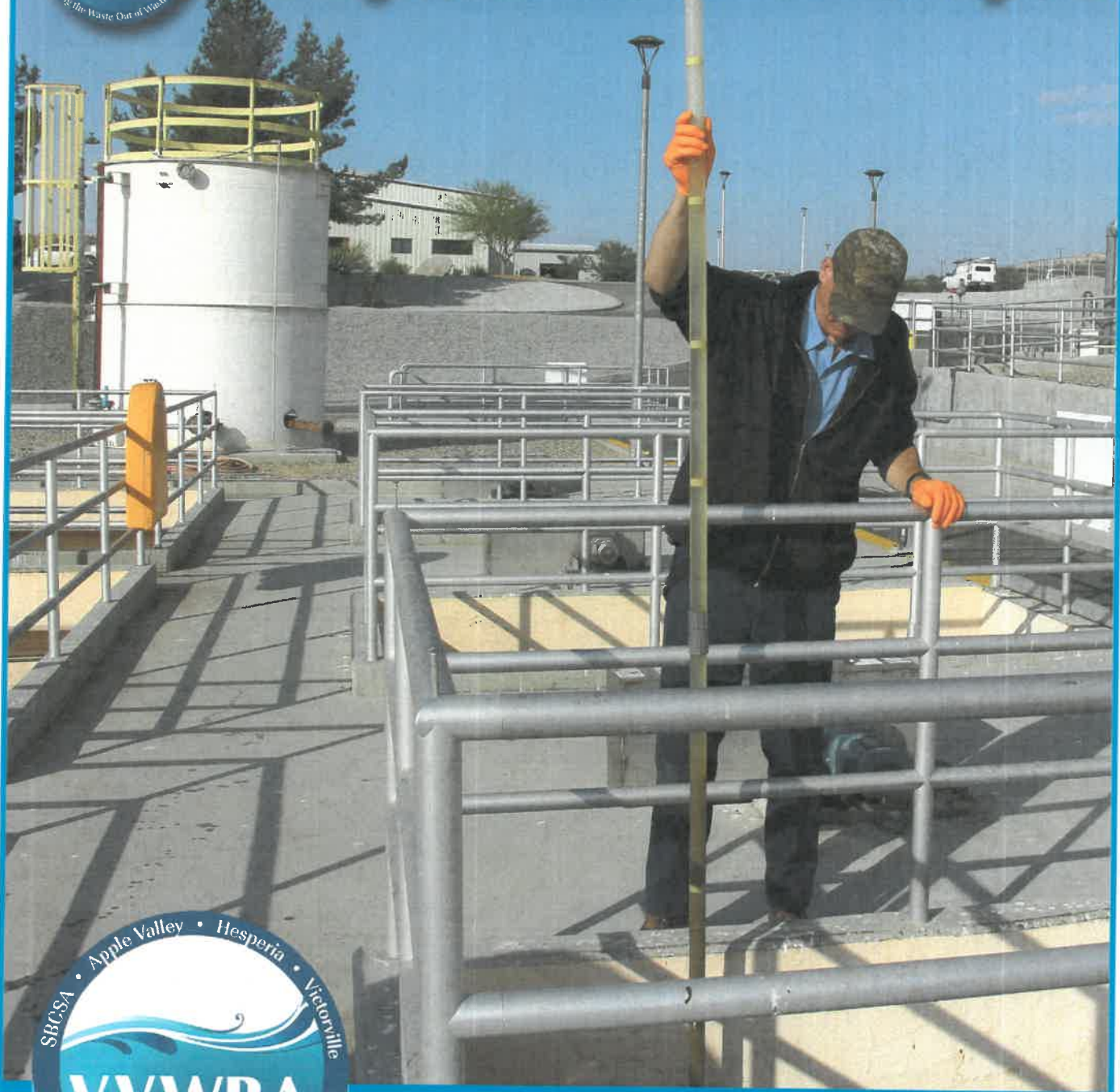
ID No	Septage Hauler	Invoice Date	Total Gallons	Invoice Amount
ABS000	Absolute Pumping	5/1/2018	30,540	\$2,858.54
ALP000	Alpha Omega Septic Service	5/1/2018	45,283	\$4,238.49
BUR000	Burns Septic	5/1/2018	128,000	\$11,980.80
HIT000	Hitt Plumbing	5/1/2018	3,435	\$321.52
HON001	Honest Johns Septic Service, Inc	5/1/2018	81,931	\$7,668.74
ROT001	T.R. Stewart Corp. dba Roto Rooter	5/1/2018	105,694	\$9,892.96
USA000	USA Septic	5/1/2018	49,000	\$4,586.40
ALP000	Alpha Omega Septic Service (Nutro)	5/1/2018	160,500	\$7,502.48
COW000	Co-West Commodities	5/1/2018	202,000	\$8,080.00
LIQ000	Liquid Environmental Solutions of CA	5/1/2018	0	\$0
SMC000	SMC Grease Specialist, Inc.	5/1/2018	324,500	\$12,980
WES004	West Valley MRF, LLC Burrtec Waste Industries, Inc.	5/1/2018	0	\$0
HIT000	Hitt Plumbing	5/1/2018	0	\$0
<b>Grand Totals</b>			<b>1,130,883</b>	<b>\$70,109.93</b>

**Septage/FOG/ADM receiving payments:**

<b>ID No</b>	<b>Business Name</b>	<b>Payments Received</b>
ABS000	Absolute Pumping	\$2,286.84
ALP000	Alpha Omega Septic Service	\$17,710.36
BUR000	Burns Septic	\$18,720.00
HON001	Honest Johns Septic Service, Inc	\$6,953.45
ROT001	T.R. Stewart Corp. dba Roto Rooter	\$7,389.70
USA000	USA Septic	\$5,185.44
ALP000	Alpha Omega Septic Service (Nutro)	\$0
COW000	Co-West Commodities	\$7,400.00
LIQ000	Liquid Environmental Solutions of CA	\$0
SMC000	SMC Grease Specialist, Inc.	\$12,296.00
WES004	West Valley MRF, LLC Burrtec Waste Industries, Inc.	\$0
HIT000	Hitt Plumbing	\$0
<b>Grand Total</b>		<b>\$77,941.79</b>



# Safety & Communications Report



**April 2018**



# Safety

## STAFF SAFETY TAILGATE/ORIENTATION

- April 5- Snakes and other dangerous animals



- April 19--Evac and SIP bags



- April 24--Heat illness prevention



- April 26--ladder safety





# Safety

## SAFETY POLICY REVIEWS/ REVISIONS

- Annual Fall Protection Policy
- Annual Emergency Action Plan

## SAFETY EVENTS/ TRAINING

- Safety tailgates
- First aid/CPR
- Fall protection

## UNSAFE CONDITIONS REPORTED/RESOLVED

- Ladders installed on 2G generators
- warning signs for UV maintenance
- tripping hazard at AV Subregional

DATE OF LAST REPORTABLE ACCIDENT/INJURY:  
MARCH 25, 2018

DAYS SINCE LAST REPORTABLE ACCIDENT/INJURY:  
36 DAYS



# Safety

## NEXT MONTH'S SCHEDULE OF STAFF TRAINING/SAFETY EVENTS :

- Safety Tailgates will be conducted at the Thursday weekly staff briefings.
- Safety Tailgates will be conducted at the monthly Administrative staff meetings.
- Staff classes schedule for confined space, forklift training and fire extinguisher.

## Communications

- Spring edition of the Purple Pipe newsletter released
- Attended CAPIO conference





# Communications

## ACTIVITIES

- Spoke at Commercial Real Estate group luncheon about Subregionals



- Maintained new website and social media sites including Facebook & Twitter.



- Led separate tours of the main plant for local teachers and for students of Granite Hills High School

