NOTICE OF
LOMPICO ASSESSMENT DISTRICT
OVERSIGHT COMMITTEE MEETING

Responsible for review of matters of revenue and expenses directly related to Assessment District 2016-1.

NOTICE IS HEREBY GIVEN that the San Lorenzo Valley Water District has called a regular meeting of the Lompico Assessment District Oversight Committee to be held Thursday, **January 12, 2017 at 5:30 p.m.** at the old Lompico District Office Building, 11255 Lompico Rd, Lompico, California.

AGENDA

1. Convene Meeting/Roll Call

2. Oral Communications
   This portion of the agenda is reserved for Oral Communications by the public for items that are not on the Agenda. Any person may address the Committee at this time, on any subject that lies within the jurisdiction of the Committee. Normally, presentations must not exceed three (3) minutes in length, and individuals may only speak once during Oral Communications. No actions may be taken by the Committee on any Oral Communications presented; however, the Committee may request that the matter be placed on a future agenda. Please state your name and town/city of residence at the beginning of the statement for the record.

3. Old Business:
   Members of the public will be given the opportunity to address each scheduled item prior to Committee action. The Chairperson of the Committee may establish a time limit for members of the public to address the Committee on agendized items.

   ASSESSMENT DISTRICT PROJECTS

   LOMPICO ASSESSMENT PROJECT EXPENSES REPORT
   - Review of Lompico Assessment Project Expense Report as presented by Brian Lee, DM
   - Discussion of details of report and any suggested updates
     Status of current and completed projects
   - 3 New Bolted Steel Tanks-
     - Review of State Water Resources Control Board "Sanitary Survey Report" dated 7/29/2014 and how the missing Lewis Tank impacts the ability of the Lompico Pressure Zone to meet the systems MDD (Maximum Day Demand).
     -Review of State Water Resources Control Board "Sanitary Survey Deficiency List" dated 7/29/2014
     -Review of California Code 22 CCR 64554 which describes the regulations in California for meeting New and Existing Source Capacity for systems with more than and less than 1,000 service connections.
   - Refurbish Mill Creek WTP
   - Service Line and Meter Replacements-**Status-Issues**?
   - Distribution System Interconnection- **Because we may not be meeting the State minimum for gallons per minute per resident, when will we have prelim date?**
   - SCADA System
     - Further discussion regarding SCADA System is needed as Brian indicated the so called "Temporary System" that was installed may not

be a permanent solution as was previously understood because it cannot communicate back to the main SCADA system at SLVWD.
- o Replace Existing PRV

DISCUSSION OF ASSESSMENT CONSTRUCTION RELATED COSTS/LOW INTEREST LOANS
- o Revisit possibility of applying for full amount of $1.4 M loan, using the Assessment District as collateral to complete the projects ASAP.

LOMPICO OVERSIGHT COMMITTEE LINK AT SLVWD.COM
- o Review preliminary Lompico Oversight Committee page on SLVWD.com site
  - Committee Members Listed
  - Links to Committee Minutes and Agendas

4. New Business:

Members of the public will be given the opportunity to address each scheduled item prior to Committee action. The Chairperson of the Committee may establish a time limit for members of the public to address the Committee on agendized items.

- o Form 700 Filing-quick mention that it needs to be completed. 4 forms have been received so far.
- o Review Local Agency Formation Commission Resolution NO. 31 (13-14) which was the actual negotiated Merger Agreement vehicle that allowed LCWD to be dissolved and merged into SLVWD. Have copies available for the public as this agreement explains the terms of the merger, the requirement of the "Revenue Instrument" for the infrastructure improvements required by SLVWD before it would agree to merger and also the requirement of the Surcharge which is separate from the "Revenue Instrument" which after the over 2/3 approval of Lompico voters became the Assessment District NO. 2016-1.

5. Informational Material:

- o **Lompico Assessment Project Expense Report**
- o **State Water Resources Control Board-Sanitary Survey Report-Purveyor: Lompico Water District, System NO: 4410015, Date of Inspection: 7,29,2014**
  https://drive.google.com/open?id=0ByB5c0i0r_mkZ19UajBndjNBRlk
- o **State Water Resources Control Board-2014 Sanitary Survey Deficiency List-Purveyor: Lompico Water District, System NO: 4410015, Date of Inspection: 7,29,2014**
  https://drive.google.com/open?id=0ByB5c0i0r_mkdXJjUnJhUFBzWjA
- o California Code 22 CCR 64554-This link takes you to only the pertinent page addressing the issue of regulations dealing with required capacity for systems more than or less than 1000 connections.

https://govt.westlaw.com/calregs/Document/I424D286FF5BB40D7978AF090BC99CCB0?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)

- o Local Agency Formation Commission Resolution NO. 31 (13-14)
  http://www.slvwd.com/lompico/LAFCoResoultion953-A.pdf

6. Adjournment

In compliance with the requirements of Title II of the American Disabilities Act of 1990, the San Lorenzo Valley Water District requires that any person in need of any type of special equipment, assistance or accommodation(s) in order to communicate at the District's Public Meeting can contact the District Office at (831) 338-2153 a minimum of 72 hours prior to the scheduled meeting.

Agenda documents, including materials related to an item on this agenda submitted to the Committee after distribution of the agenda packet, are available for public inspection and may be reviewed at the office of the District Secretary, 13060 Highway 9, Boulder Creek, CA 95006 during normal business hours. Such documents may also be available on the District website at www.slvwd.com subject to staff's ability to post the documents before the meeting.

Certification of Posting

I hereby certify that on January 4, 2017, I posted a copy of the foregoing agenda in the outside display case at the District Office, 13060 Highway 9, Boulder Creek, California, and at the meeting location 11255 Lompico Rd, Lompico, California, said time being at least 72 hours in advance of the meeting of the Lompico Assessment District Oversight Committee of the San Lorenzo Valley Water District in compliance with California Government Code Section 54956.

Executed at Boulder Creek, California, on January 4, 2017.

_____

Holly B. Morrison, District Secretary
San Lorenzo Valley Water District

CONVENE MEETING/ROLL CALL

ORAL COMUNICATIONS

No public comments regarding non-Agenda items

OLD BUSINESS

ASSESSMENT DISTRICT PROJECTS:

LOMPICO ASSESSMENT PROJECT EXPENSES REPORT

- **Review of LAPER (Lompico Assessment Project Expense Report) if presented by Brian**

  -Brian presented the preliminary Project Expense Gant Chart. The prelim copy did not include any reporting of the actual Assessment dollars that have been spent at this point. Agreements. Brian explained that this is preliminary view included incorrect expense revenues. The software used was unfamiliar and auto filled many areas.

  John Grunow asked if the capital and labor costs of the Meters will be included in the updated version.

  Brian committed to meeting with the SLVWD Bookkeeper with an objective of providing actual Assessment dollars spent by the next meeting. The dollars listed in report were not tied to real expenses but to the estimates listed in the Assessment Agreement.

  Public Comments:

  Mark Meecham had questions regarding the Expense Report and how the Surcharge would be reviewed. It was explained that the Surcharge is not part of the Assessment District Oversight Committee.

  Further comments were made by Mark Meecham regarding reducing the Assessment amount with agreement from John Grunow. Comments from other committee members explaining that the projects were voted on and approved by 2/3 of Lompico and budgeted in the amount of the Assessment District.

STATUS OF CURRENT AND COMPLETED PROJECTS and discussion of timeline for remaining Assessment Agreement projects (problems encountered and identified)

- 3 New Bolted Steel Tanks

  - Missing Lewis Tank, not meeting State min storage requirement?

  Toni Norton explained her concerns regarding not meeting the state minimum gallons per minute per resident. Dist Mgr Brian Lee stated that he wasn't aware that there was such requirements. Toni Norton agreed to have the documentation available for review at next meeting regarding the state requirements.

- Refurbish Mill Creek WTP
- Service Line and Meter Replacements-**Status-Issues**?

  -Brian provided an update

- Distribution System Interconnection- **Because we may not be meeting the State minimum for gallons per minute per resident, when will we have prelim date?**

Further info regarding state minimums at next meeting per Toni Norton

- SCADA System

Brian explained that the current SCADA system is still being reviewed to determine if it is sufficient. Apparently it does not communicate back to the main SLVWD system.

- Replace Existing PRV

DISCUSSION OF ASSESSMENT CONSTRUCTION RELATED COSTS/LOW INTEREST LOANS

- Update as to when and if SLVWD plans to take out incremental project based low interest SRF loans addressed in Assessment Agreement for which Lompico is paying Interest up to $1.4 Million dollar loan ($183,734 interest included in Assessment)

A long discussion was held which included public comments by Bruce Holloway of Boulder Creek, Ed Frech, Deb Loewen and Lois Henry.

Both Bruce Holloway and Deb Loewen asked why the projects required by both SLVWD's previously existing communities and Lompico's can't be combined in one big loan.

UPDATE OF COMMITTEE NAME AND RECAP OF OFFICIAL COMMITTEE PUPOSE

- Clarification of Lompico Oversight Committee official name. At last Lompico Oversight Committee meeting we were advised it would be Lompico Assessment District Oversight Committee. At SLVWD BoD meeting name was presented as Lompico Assessment Oversight Committee.

Brian confirmed that the official name of the committee is:

Lompico Assessment District Oversight Committee (LADOC)

- Review wording of committee charter

Brian **confirmed that the official wording of the committee description is:**

The committee shall be responsible to review matters of revenue and expenses directly related to Assessment District 1016-1 projects

LOMPICO OVERSIGHT COMMITTEE LINK AT SLVWD.COM

- Quick acknowledgement that Brian anticipates link will be available mid December.

NEW BUSINESS

PERCEPTION OF LOMPICO ON SLVWD BOARD AND THROUGHOUT IT'S DISTRICTS-Discussion of whether the Scotts Valley Times article and general issue of perception of Lompico should be addressed by the Lompico Oversight Committee

Comments from the Public regarding this issue and explanation from the committee that although these issues are very important they are not the responsibility of the LADOC committee which must focus on the Assessment District projects.

POSSIBLE APPOINTMENT OF COMMITTEE SECRETARY-Discussion by committee and possible appointment

April Crittenden agreed to be responsible for taking minutes for the LADOC meetings.

ADJOURNMENT

Home Table of Contents

§ 64554. New and Existing Source Capacity.
22 CA ADC § 64554
BARCLAYS OFFICIAL CALIFORNIA CODE OF REGULATIONS

Barclays Official California Code of Regulations Currentness
Title 22. Social Security
Division 4. Environmental Health
Chapter 16. California Waterworks Standards
Article 2. Permit Requirements

22 CCR § 64554

§ 64554. New and Existing Source Capacity.

(a) At all times, a public water system's water source(s) shall have the capacity to meet the system's maximum day demand (MDD). MDD shall be determined pursuant to subsection (b).

(1) For systems with 1,000 or more service connections, the system shall be able to meet four hours of peak hourly demand (PHD) with source capacity, storage capacity, and/or emergency source connections.

(2) For systems with less than 1,000 service connections, the system shall have storage capacity equal to or greater than MDD, unless the system can demonstrate that it has an additional source of supply or has an emergency source connection that can meet the MDD requirement.

(3) Both the MDD and PHD requirements shall be met in the system as a whole and in each individual pressure zone.

(b) A system shall estimate MDD and PHD for the water system as a whole (total source capacity and number of service connections) and for each pressure zone within the system (total water supply available from the water sources and interzonal transfers directly supplying the zone and number of service connections within the zone), as follows:

(1) If daily water usage data are available, identify the day with the highest usage during the past ten years to obtain MDD; determine the average hourly flow during MDD and multiply by a peaking factor of at least 1.5 to obtain the PHD.

(2) If no daily water usage data are available and monthly water usage data are available:

(A) Identify the month with the highest water usage (maximum month) during at least the most recent ten years of operation or, if the system has been operating for less than ten years, during its period of operation;

(B) To calculate average daily usage during maximum month, divide the total water usage during the maximum month by the number of days in that month; and

(C) To calculate the MDD, multiply the average daily usage by a peaking factor that is a minimum of 1.5; and

(D) To calculate the PHD, determine the average hourly flow during MDD and multiply by a peaking factor that is a minimum of 1.5.

(3) If only annual water usage data are available:

(A) Identify the year with the highest water usage during at least the most recent ten years of operation or, if the system has been operating for less than ten years, during its years of operation;

(B) To calculate the average daily use, divide the total annual water usage for the year with the highest use by 365 days; and

(C) To calculate the MDD, multiply the average daily usage by a peaking factor of 2.25.

(D) To calculate the PHD, determine the average hourly flow during MDD and multiply by a peaking factor that is a minimum of 1.5.

(4) If no water usage data are available, utilize records from a system that is similar in size, elevation, climate, demography, residential property size, and metering to determine the average water usage per service connection. From the average water usage per service connection, calculate the average daily demand and follow the steps in paragraph (3) to calculate the MDD and PHD.

(c) Community water systems using only groundwater shall have a minimum of two approved sources before being granted an initial permit The system shall be capable of meeting MDD with the highest-capacity source off line.

(d) A public water system shall determine the total capacity of its groundwater sources by summing the capacity of its individual active sources. If a source is influenced by concurrent operation of another source, the total capacity shall be reduced to account for such influence. Where the capacity of a source varies seasonally, it shall be determined at the time of MDD.

(e) The capacity of a well shall be determined from pumping data existing prior to March 9, 2008 or in accordance with subsection (f) or (g). Prior to conducting a well capacity test pursuant to subsection (g), a system shall submit the information listed below to the State Board for review and approval. For well capacity tests conducted pursuant to subsection (f), the information shall be submitted to the State Board if requested by the State Board.

(1) The name and qualifications of the person who will be conducting the test;

(2) The proposed test's pump discharge rate, based on the design rate determined during well development and/or a step-drawdown test.

(3) A copy of a United States Geological Survey 7 1/2-minute topographic map of the site at a scale of 1:24,000 or larger (1 inch equals 2,000 feet or 1 inch equals less than 2,000 feet) or, if necessary, a site sketch at a scale providing more detail, that clearly indicates;

(A) The well discharge location(s) during the test, and

(B) The location of surface waters, water staff gauges, and other production wells within a radius of 1000 feet;

(4) A well construction drawing, geologic log, and electric log, if available;

(5) Dates of well completion and well development, if known;

(6) Specifications for the pump that will be used for the test and the depth at which it will draw water from the well;

(7) A description of the methods and equipment that will be used to measure and maintain a constant pumping rate;

(8) A description of the water level measurement method and measurement schedule;

(9) For wells located in or having an influence on the aquifer from which the new well will draw water, a description of the wells' operating schedules and the estimated amount of groundwater to be extracted, while the new well is tested and during normal operations prior to and after the new well is in operation;

(10) A description of the surface waters, water staff gauges, and production wells-shown in (3)(B);

(11) A description of how the well discharge will be managed to ensure the discharge doesn't interfere with the test;

(12) A description of how the initial volume of water in the well's casing, or bore hole if there is no casing at the time, will be addressed to ensure it has no impact on the test results; and

(13) A written description of the aquifer's annual recharge.

(f) To determine the capacity of a well drilled in alluvial soils when there is no existing data to determine the capacity, a water system shall complete a constant discharge (pumping rate) well capacity test and determine the capacity as follows:

(1) Take an initial water level measurement (static water level) and then pump the well continuously for a minimum of eight hours, maintaining the pump discharge rate proposed in subsection (e)(2);

(2) While pumping the well, take measurements of the water level drawdown and pump discharge rates for a minimum of eight hours at a frequency no less than every hour;

(3) Plot the drawdown data versus the time data on semi-logarithmic graph paper, with the time intervals on the horizontal logarithm axis and the drawdown data on the vertical axis;

(4) Steady-state is indicated if the last four hours of drawdown measurements and the elapsed time yield a straight line in the plot developed pursuant to subsection (3). If steady-state is not achieved, the pump discharge rate shall be continued for a longer period of time or adjusted, with paragraphs (2) and (3) above repeated, until steady-state is achieved.

(5) Discontinue pumping and take measurements of the water level drawdown no less frequently than every 15 minutes for the first two hours and every hour thereafter for at least six hours or until the test is complete; and

(6) To complete the test, the well shall demonstrate that, within a length of time not exceeding the duration of the pumping time of the well capacity test, the water level has recovered to within two feet of the static water level measured at the beginning of the test or to a minimum of ninety-five percent of the total drawdown measured during the test, whichever is more stringent.

(7) The capacity of the well shall be the pump discharge rate determined by a completed test.

(g) The capacity of a well whose primary production is from a bedrock formation, such that the water produced is yielded by secondary permeability features (e.g., fractures or cracks), shall be determined pursuant to either paragraph (1) or (2) below.

(1) The public water system shall submit a report, for State Board review and approval, proposing a well capacity based on well tests and the evaluation and management of the aquifer from which the well draws water. The report shall be prepared and signed by a California registered geologist with at least three years of experience with groundwater hydrology, a California licensed engineer with at least five years of experience with groundwater hydrology, or a California certified hydrogeologist. Acceptance of the proposed well capacity by the State Board shall, at a minimum, be based on the State Board's review and approval of the following information presented in the report in support of the proposed well capacity:

(A) The rationale for the selected well test method and the results;

(B) The geological environment of the well;

(C) The historical use of the aquifer;

(D) Data from monitoring of other local wells;

(E) A description of the health risks of contaminants identified in a Source Water Assessment, as defined in section 63000.84 of Title 22, and the likelihood of such contaminants being present in the well's discharge;

(F) Impacts on the quantity and quality of the groundwater;

(G) How adjustments were made to the estimated capacity based on drawdown, length of the well test, results of the wells test, discharge options, and seasonal variations and expected use of the well; and

(H) The well test(s) results and capacity analysis.

(2) During the months of August, September, or October, conduct either a 72-hour well capacity test or a 10-day well capacity test, and determine the well capacity using the following procedures:

(A) Procedures for a 72 hour well capacity test:

1. For the purpose of obtaining an accurate static water level value, at least twelve hours before initiating step 2., pump the well at the pump discharge rate proposed in subsection (e)(2) for no more than two hours, then discontinue pumping;

2. Measure and record the static water level and then pump the well continuously for a minimum of 72 hours starting at the pump discharge rate proposed in (e)(2);

3. Measure and record water drawdown levels and pump discharge rate:

a. Every thirty minutes during the first four hours of pumping,

b. Every hour for the next four hours, and

c. Every four hours thereafter until the water drawdown level is constant for at least the last four remaining measurements, and;

4. Plot the drawdown and pump discharge rate data versus time data on semi-logarithmic graph paper, with the time intervals on the horizontal logarithmic axis and the drawdown and pump discharge rate data on the vertical axis.

(B) Procedures for a 10 day well capacity test:

1. For the purpose of obtaining an accurate static water level value, at least twelve hours before initiating step 2., pump the well at the pump discharge rate proposed in subsection (e)(2) for no more than two hours, then discontinue pumping;

2. Measure and record the static water level and then pump the well continuously for a minimum of 10 days starting at the pump discharge rate proposed in (e)(2);

3. Measure and record water drawdown levels and pumping rate:

a. Every thirty minutes during the first four hours of pumping,

b. Every hour for the next four hours,

c. Every eight hours for the remainder of the first four days,

d. Every 24 hours for the next five days, and

e. Every four hours thereafter until the water drawdown level is constant for at least the last four remaining measurements, and;

4. Plot the drawdown and pump discharge rate data versus time data on semi-logarithmic graph paper, with the time intervals on the horizontal logarithmic axis and the drawdown and pump discharge rate data on the vertical axis.

(C) To complete either the 72-hour or 10-day well capacity test the well shall demonstrate that, within a length of time not exceeding the duration of the pumping time of the well capacity test, the water level has recovered to within two feet of the static water level measured at the beginning of the well capacity test or to a minimum of ninety-five percent of the total drawdown measured during the test, whichever is more stringent. If the well recovery does not meet these criteria, the well capacity cannot be determined pursuant to subsection (g)(2) using the proposed pump rate. To demonstrate meeting the recovery criteria, the following water level data in the well shall be measured, recorded, and compared with the criteria:

1. Every 30 minutes during the first four hours after pumping stops,

2. Hourly for the next eight hours, and

3. Every 12 hours until either the water level in the well recovers to within two feet of the static water level measured at the beginning of the well capacity test or to a at least ninety-five percent of the total drawdown measured during the test, which ever occurs first.

(D) Following completion of a 72-hour or 10-day well capacity test, the well shall be assigned a capacity no more than:

1. For a 72-hour test, 25 percent of the pumping rate at the end of a completed test's pumping.

2. For a 10-day test, 50 percent of the pumping rate at the end a completed test's pumping.

(h) The public water system shall submit a report to the State Board that includes all data and observations associated with a well capacity test conducted pursuant to subsection (f) or (g), as well as the estimated capacity determination methods and calculations. The data collected during pumping and recovery phases of the well capacity tests shall be submitted in an electronic spreadsheet format in both tabular and graphic files.

(i) An assigned well capacity may be revised by the State Board if pumping data collected during normal operations indicates that the assigned well capacity was not representative of the actual well capacity.

(j) If directed by the State Board to do so, based on adverse conditions that may lead or may have led to a regional aquifer's inability to meet a water system's demand on such an aquifer, the water system shall submit a report to the State Board that includes regional aquifer recharge estimates and a water balance analysis. The report shall be prepared and signed by a California registered geologist with at least three years of experience with groundwater hydrology, a California licensed engineer with at least five years of experience with groundwater hydrology, or a California certified hydrogeologist.

(k) The source capacity of a surface water supply or a spring shall be the lowest anticipated daily yield based on adequately supported and documented data.

(*l*) The source capacity of a purchased water connection between two public water systems shall be included in the total source capacity of the purchaser if the purchaser has sufficient storage or standby source capacity to meet user requirements during reasonable foreseeable shutdowns by the supplier.

Note: Authority cited: Sections 116271, 116350 and 116375, Health and Safety Code. Reference: Sections 116275, 116375, 116540 and 116555, Health and Safety Code.

HISTORY

1. New section filed 2-8-2008; operative 3-9-2008 (Register 2008, No. 6).

2. Change without regulatory effect amending subsections (e), (g)(1) and (h)-(j) and amending Note filed 6-2-2015 pursuant to section 100, title 1, California Code of Regulations (Register 2015, No. 23).

This database is current through 12/23/16 Register 2016, No. 52

22 CCR § 64554, 22 CA ADC § 64554

END OF DOCUMENT

LOCAL AGENCY FORMATION COMMISSION
RESOLUTION NO. 953-A

On the motion of Commissioner
Duly seconded by Commissioner
The following resolution is adopted:

MAKING DETERMINATIONS AND ORDERING PROTEST PROCEEDINGS
OF TERRITORY DESIGNATED AS THE LOMPICO REORGANIZATION
LAFCO NO. 953-A

****

The Santa Cruz Local Agency Formation Commission does hereby RESOLVE, DETERMINE, AND ORDER as follows:

1. A resolution for the proposed annexation of certain territory was filed by Resolution No. 128-2013 of the Lompico County Water District and Resolution No. 31 (13-14) of the San Lorenzo Valley Water District, pursuant to the Cortese-Knox-Hertzberg Local Government Reorganization Act of 2000 (Government Code Section 56000 et seq.); and the territory is assigned the short term designation of the "Lompico Reorganization, LAFCO No. 953-A".

2. The reorganization consists of the following changes of organization:
   -Dissolution of the Lompico County Water District,
   -Annexation of territory to the San Lorenzo Valley Water District.

3. The Executive Officer of the Commission has reviewed the resolutions; has prepared a report, including his recommendations thereon; and has presented the same before this Commission for consideration.

4. Public hearing by the Commission was held on August 6, 2014; and at the hearing the Commission heard and received all oral and written protests, objections, and evidence that were presented.

5. Said territory includes approximately 757 acres and is found to be inhabited for purposes of reorganization law.

6. The boundaries of the area of the proposed reorganization are approved as revised to include the annexation of parcels on Zayante Drive and as shown on Exhibit A.

7. The approval of this reorganization is conditioned upon the following terms and conditions:

   A) INFRASTRUCTURE BOND
   Prior to the filing of the Certificate of Completion, a Community Facilities District bond or similar revenue instrument shall be passed by the voters

and/or property owners of the Lompico service area so that proceeds not greater than $2.75 million will go to the San Lorenzo Valley Water District (SLVWD) for the purposes of infrastructure improvements solely for the benefit of the Lompico service area. If a grant or other source of funds can be secured to make infrastructure improvements that are programmed to be included in the not-to-exceed $2.75 million of bond proceeds, or if the costs of the programmed improvements are lower, the amount of the bond proceeds can be a lesser amount if authorized in writing by the San Lorenzo Valley Water District Board following consideration of the reduction at a public meeting of that board.

B) BOND OVERSIGHT COMMITTEE

Upon distribution of the bond proceeds, SLVWD shall establish a citizens' bond oversight committee consisting of five Lompico water customers to review expenditure of the bond proceeds on projects that directly benefit Lompico.

C) LOAN PAYBACK

Prior to the filing of the Certificate of Completion, Lompico County Water District shall pay the entire amount due on the PERS Side Fund Loan Agreement that was executed on July 30, 2013 by and between Lompico County Water District and San Lorenzo Valley Water District.

D) LOMPICO WATER RATES AND CHARGES

SLVWD shall bill the Lompico customers of SLVWD the same rates as the other customers within SLVWD. However, prior to filing of the Certificate of Completion, in order to cover the difference between SLVWD's estimated revenues collected in Lompico and SLVWD's estimated operating costs in Lompico, Lompico County Water District shall enact a reduction in their water rates, effective only upon the reorganization, so that $140,000 in excess of the amount generated by SLVWD rates would be collected in the first year following the effective date of the reorganization. LAFCO shall authorize SLVWD to continue to collect these Lompico charges after the reorganization. Prior to the Certificate of Completion being filed, SLVWD will deliver a letter to the LAFCO Executive Officer indicating that the charges adopted by the Lompico County Water District are structured in a manner that SLVWD is willing to implement. The Lompico charges shall not exceed the following amounts:

Year	Beginning	Per Month Per Connection
1	Upon the effective date of the reorganization	$23.50
2	One year after effective date of the reorganization	$19.50
3	Two years after effective date of the reorganization	$8.50
4	Three years after effective date of the reorganization	$5.50
5	Four years after effective date of the reorganization	$5.50

The Lompico charges shall be phased out no later than five years after the effective date of the reorganization.

E) The proponent districts shall provide a legal map, description, and fees to meet State Board of Equalization requirements.

F) The proponent districts shall be responsible to pay any fees required to comply with Fish and Game Code Section 711.4 (Fish and Game Fees required when notices of environmental decisions are filed).

G) The proponent districts shall pay any remaining processing fees as set in this Commission's Schedule of Fees and Deposits.

H) Prior to issuance of a Certificate of Completion for this reorganization, the proponent districts shall deliver an executed indemnification agreement that is in a form that is acceptable to this Commission and suitable for recordation.

8. This project qualifies for a Class 19 Categorical Exemption (annexation of existing facilities) and a Class 20 Categorical Exemption (consolidation or two or more districts having identical powers) from further analysis under the California Environmental Quality Act.

9. Upon completion of this reorganization, the property tax revenues will be transferred in accordance with the Board of Supervisors tax exchange resolution (No. 158-2014) adopted for the Lompico Reorganization.

10. Upon completion of this reorganization, all assets and liabilities of Lompico County Water District shall transfer to the San Lorenzo Valley Water District.

11. The reorganization, as approved, is consistent with the Spheres of Influence of the Lompico County Water District and the San Lorenzo Valley Water District as amended by LAFCO Resolution No. 953 on August 6, 2014.

12. This Commission hereby approves this reorganization, as conditioned, and directs the Executive Officer to conduct protest proceedings in accordance with State law.

PASSED AND ADOPTED by the Local Agency Formation Commission in the County of Santa Cruz this sixth day of August 2014.

AYES:

NOES:

ABSENT:

_____
JAMES W. ANDERSON, CHAIRPERSON
Santa Cruz Local Agency Formation Commission

Attest:

_____
Patrick M. McCormick, Executive Officer

Approved as to form:

_____
LAFCO Counsel

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER
SANITARY SURVEY REPORT

Purveyor: **Lompico Water District**
System No. **4410015**
Date of Inspection: **July 29, 2014**
Last Inspection Date: **May 22, 2013**
Person(s) Contacted/Position: **Mike Mathiasen, Lompico CWD; Ricardo Villa, Lompico CWD; Aidan Robinson, Lompico CWD; Mike Legg, SLVWD; James Furtado, SLVWD**
Reviewing Engineer: **Jonathan Weininger**
District Engineer: **Jan Sweigert, P.E.**

A. INTRODUCTION

1. Permit Status

Full Permit: **The California Department of Public Health Drinking Water Program (now, the State Water Resources Control Board – Division of Drinking Water) issued a permit to the Lompico CWD on July 22, 1966 to operate the existing water system.**

Are the permit provisions complied with? **Yes**

Is the permit up to date? **No, The modifications to the Mill Creek surface water treatment plant (SWTP), and the addition of Well 7A and the Lewis WTP, are not properly permitted for domestic water supply use. The Division will issue permit amendments for these facilities.**

2. Changes in System

The District has addressed many of the deficiencies listed in the 2013 Sanitary Survey Report. Since the 2013 Sanitary Survey, the District has had the following changes:

- Lewis Tanks 1 and 2 and Madrone Tanks 1 and 2 were cleaned and repaired by AquaTech May – July 2013
- Implemented a cross connection control program and annual testing of all backflow prevention devices (11/19/2013)
- Added a 70 gpm interconnection to San Lorenzo Valley Water District (2014)
- Raw groundwater (Wells 1, 5, and 7A) was re-piped to include a raw water chlorinator inline prior to the inlet of the Lewis Tank #1,
- Completion of the Mill Creek WTP Operations Plan (1/23/2014)
- Adoption of valve exercising and distribution flushing programs (2/4/2014)
- Kaski #2 and Lewis #2 tanks cleaned (March 2014)
- Mill Creek SWTP – New Hach SC200 controller and 1720e turbidimeter (April 2014)
- Well 7A upgrades – new pump, pump saver, and replacing drop pipe (July 2014)
- Constructed the Lewis Water Treatment Plant (WTP), a groundwater filtration plant designed to remove iron and manganese from Wells 1, 5, and 7A. (May – August 2014)

The District is planning to install SCADA and replace the Kaski and Lewis Tanks in the near future.

3. Consumer and Production Data

Approximate population served: **1,600**

Table 1: Service Connection Summary

Connection Type	No. of Connections	No. Metered
Residential	496	496
Total	**496**	**496 (100%)**

Table 2: Production Data (gallons) for Past 10 years (2003-2013)

Year	Max Day	Max Month	Year Total
2013	128,134 (calculated)	2,562,690	25,142,718
2012	96,760	2,904,600	29,784,000
2011	137,160(calculated)	2,834,640	28,397,890
2010	102,800	N/A	28,745,920
2009	77,500	2,366,060	27,404,400
2007	130,000	2,500,000	26,200,000
2006	130,000	2,700,000	33,400,000
2004	**139,000**	3,220,000	30,700,000

Maximum day from past 10 years: **0.139 MG(2004) or 96 gpm**

B. SOURCE DATA

1. List of Sources

The District has three active groundwater sources and one active surface water source. **Table 3** summarizes the District's sources including each source's capacity from available data.

Table 3: List of Sources

Source	Capacity (gpm)	Comments
Mill Creek Raw	17	Flow rate based upon maximum allotted surface water. Currently, source is not available for most of the year.
Lewis Well 01	11	Well is capable of producing 15 gpm, but has reduced production due to holes in column pipe
Lewis Well 05	18	
Well 7A	18	18-24 gpm
SLVWD Interconnection	70	2000' 6" Diameter HDPE Line
ACTIVE SOURCE CAPACITY	**64 gpm (0.092 MGD)**	
TOTAL CAPACITY (SOURCES + INTERCONNETION)	**134 gpm (0.193 MGD)**	

2. Source Capacity Evaluation

California Code of Regulations (CCR), Section 64554 requires maximum day demand (MDD) shall be met with source capacity. Since the District has less than 1,000 service connections, the District shall

also have storage capacity equal to or greater than MDD, unless it can demonstrate that it has additional source of supply or an emergency source connection that can meet the MDD requirement.

MDD is calculated as the highest observed water demand in the past ten years. Using past annual reports and tabulated in Table 2, MDD was found to be 0.139 MG (2004).

CCR, Section 64554 details water system source capacity requirements. As tabulated in Table 3, The District has an estimated source capacity of 0.193 MGD. The District is able to meet MDD (0.139 MG) with source capacity alone (0.193 MGD).

The District has 0.440 MG of storage capacity, which exceeds the MDD of 0.139 MGD, even under assumptions the tanks are not always full.

Table 4 summarizes The District's source capacity requirements.

Table 4: Summary of Source/Storage Capacity Requirements

Parameter	Required by Regs. (MGD)	Current Capacity (MGD)	Adequate Capacity?
Source Capacity	0.139	0.193	**Yes**
Storage Capacity	0.139	0.44	**Yes**

3. Discussion and Appraisal

All District wells were inspected during the sanitary survey inspection. District groundwater sources were found to be in good overall condition.

Well 6 is currently listed as standby in the Division's database. According to the District, Well 6 has a high concentration of hydrogen sulfide, which emits a strong rotten egg odor. The well is located next to a creek and could possibly be under the influence of surface water. The well hasn't been used in years. Due to the proximity to surface water and high concentration of hydrogen sulfide, the District shall only use the source in the event of an emergency. If the source is used, the District shall issue a Division approved public notification to its customers.

4. Drinking Water Source Assessment Program (DWSAP)

The District completed DWSAPs for all active sources in 2002/2003. The District's sources were found to be most vulnerable to nearby septic systems. The Division recommends the DWSAPs be updated if the area surrounding the groundwater sources changes.

C. TREATMENT

1. Chlorination

Type of Disinfectant: **12.5% liquid sodium hypochlorite**
Trade name: **HASA Sani-Chlor**
NSF 60 certified? **Yes**
Target Chlorine Residual: **0.7 mg/L/0.2 mg/L in distribution**

Continuous chlorination is provided at the Mill Creek WTP effluent. The District targets a chlorine residual of 0.7 mg/L at the plant effluent. The District targets a detectable chlorine residual in the distribution system, which is also required as part of the Surface Water Treatment Rule.

Raw water from the three wells is currently dosed with chlorine inline prior to entering Lewis Tank #1. After the completion of the Lewis Water Treatment Plant, chlorine will be applied at the inlet of the plant for oxidation of iron and manganese and dosed so that the plant's discharge always has a detectable chlorine residual.

The Mill Creek WTP chlorinator is housed. An adequate supply of chlorine is stored on site.

Please note that the inspection of the Mill Creek Treatment Plant is summarized in the attachment titled *Surface Water Treatment Plant Evaluation (Membranes).*

D. STORAGE DATA

Table 5: List of Reservoirs and Available Storage Capacity

Reservoir	Material	Capacity (MG)
Lewis Tank 1	Redwood	100,000
Lewis Tank 2 (upper)	Redwood	100,000
Kaski Tank 1	Redwood	60,000
Kaski Tank 2	Redwood	60,000
Madrone Tank 1	Redwood	60,000
Madrone Tank 2	Redwood	60,000
Mill Creek WTP Clearwell	Bolted Steel	48,000
TOTAL STORAGE		**440,000**

The District has a total storage capacity of 0.44 million gallons. The District has adequate storage capacity. All operations are manual, however, the District is planning to install SCADA when financially viable. Lewis No. 2 (Upper Lewis) and Kaski Tank 1 are profusely leaking and found to be in very poor overall condition. The Lewis tanks need to be replaced. The Madrone Tanks and Lower Lewis Tank are aging and the Division recommends they also be replaced.

All tanks were found to have roof hatches which may not be water/air tight. Please replace or modify roof hatches to include sealing features which ensure they are water and air tight.

The District inspects each tank very frequently due to the lack of SCADA. As indicated in past Division correspondence, please continue to inspect the tanks at least monthly to check for interior water quality, vent screens, roof debris, quality of roof paint, roof hatch, etc.

E. DISTRIBUTION SYSTEM

1. Pressure Zones

Water is delivered to the distribution system by gravity from reservoirs or boosted into the system from booster stations. The system has at least 5 pressure zones. The pressure leaving the Mill Creek booster pump station is approximately 205 psi. The system has high pressure in the water lines and each service connection has a Pressure Reducing Valve (PRV) to reduce pressure to 50 – 60 PSI. No low pressure complaints.

2. Booster or Reducing Stations

Table 6: List of Booster Stations

Station	No. of Pumps	Size	From	To
Mill Creek Clearwell	1	75 gpm	Mill Creek WTP	Lewis #1 & Distribution
Madrone	1	150 gpm	Lewis #1	Madrone Tanks
Lewis WTP	1	100 gpm	Lewis #1	Lewis #2

Booster stations and pressure reducing stations are all in good overall condition.

3. Mains

A majority of the District's distribution system is PVC. The District does not have an active mainline replacement program, however, the majority of the District's distribution system is in adequate condition. **Table 7** below tabulates the District's mainlines.

Table 7: Mainline Summary

Material	Amount	Size	Condition	Comments
Galvanized Iron	30%	4" – 6"	Older	
C900 PVC	70%	2" – 6"	Good	No leaks

4. Interconnections

San Lorenzo Valley Water District installed a pipeline to Lompico CWD in 2014. The 6" diameter HDPE pipe is 2000 feet long and has a capacity of 70gpm. The pipeline is used during emergencies.

5. Transmission Lines

The District does not have any raw water transmission lines.

6. Leak History

The District documents all leak and leak repairs with service orders. All leaks are repaired in-house. According to the 2013 Annual Report, the District had 26 service connection breaks/leaks and 2 main breaks/leaks. All service connection breaks/leaks were investigated and repaired. The District has an adequate maintenance program.

7. Recycled Water

The District does not have any recycled water mains within the distribution system.

F. WATER QUALITY AND MONITORING

1. Bacteriological Monitoring

Population: **1,600**
Service Connections: **496**
Distribution Samples: **5/Month**

Source Samples: **1/Quarter – GW; 1/Week - SW**
MCL violations in past year? **No**
Date of last Bacteriological Sample Siting Plan: **August 11, 2011**

CCR Section 64423 details regulations regarding distribution bacteriological monitoring. With 496 service connections and the approved bacteriological sample siting plan, the District is required to collect 5 distribution bacteriological samples per month. Additionally, the District is required to collect quarterly groundwater source and weekly raw surface water samples.

The District has not had any violations of the Total Coliform Rule in the past year and has completed all required source and distribution bacteriological monitoring.

2. Chemical Monitoring

Table 8: Last Source Chemical Monitoring Dates

Source	General Mineral/ Physical	Inorganic Chemicals	Nitrate	Nitrite	Radio-activity	VOC	Non-Waived SOCs
Surface Water							
Mill Creek WTP Raw	Apr-14	Apr-14	Jun-14	Apr-14	Mar-11	Apr-14	Apr-14
Groundwater							
Lewis Well 01	Apr-14	Apr-14	Apr-14	Apr-14	Sep-11	Apr-11	Apr-14
Lewis Well 05	Apr-14	Apr-14	Apr-14	Apr-14	Mar-11	Apr-11	Apr-14
Well 6 (Standby)	Aug-11	Dec-11	Oct-13	Mar-12	Mar-11	Aug-11	Scattered
Well 7A	Apr-14	Apr-14	Apr-14	Apr-14	Mar-11	Apr-11	Apr-14

Table 9: Minimum Required Source Monitoring Frequency

Source	General Mineral/ Physical	Inorganic Chemicals	Nitrate	Nitrite	Radio-activity	VOC	Non-Waived SOCs
Surface Water							
Mill Creek WTP (Lompico Creek)	12	12	3	12	108	36	36
Groundwater							
Lewis Well 01	36	36	12	36	108	72	36
Lewis Well 05	36	36	12	36	108	72	36
Well 6 (Standby)	108	108	108	108	108	108	108
Well 7A	36	36	12	36	108	72	36

Note: Frequency listed in months
Note: Frequencies may be more stringent than listed above if directed by Division

a) Source Inorganic Chemicals

Requirements: Inorganic chemical monitoring shall be completed for all active groundwater sources triennially and once every nine years for the standby source (Well 6). Mill Creek WTP shall be sampled annually for inorganic chemical monitoring.

Detections: There have been no significant inorganic chemical detections in any of the District sources.

Evaluation: The District shall collect initial hexavalent chromium samples for all sources by January 1, 2015.

b) Source Nitrate/Nitrite

Requirements: The District is required to monitor groundwater sources annually for nitrate and triennially for nitrite. Well 6 (Standby) is required to be monitoring at least once every nine years for both nitrate and nitrite. The raw creek source is required to be monitored quarterly for nitrate and annually for nitrite.

Detections: There have been no significant detections of nitrate or nitrite in the sources.

Evaluation: In compliance.

c) Source Synthetic Organic Chemicals (SOC)

Requirements: District sources are required to be monitored every three years for non-waived SOCs: 2,4 D, Atrazine, Diquat, and Simazine. Standby source, Well 6 is required to be monitored once every 9 years.

Detections: None

Evaluation: In compliance.

d) Source Volatile Organic Chemicals (VOC)

Requirements: VOC's shall be monitored once every six years for active groundwater sources, once every three years for the raw creek source, and once every nine years for the standby well.

Detections: None

Evaluation: In compliance.

e) Source General Physical/General Mineral

Requirements: General physical/general minerals shall be monitored once every three years for active groundwater sources, once annually for the raw creek source, and once every nine years for the standby well.

Detections: Iron and Manganese are above the MCL in Wells 1 and 7A and often in Well 5. The Division sent a letter to the District, dated May 31, 2013 which addressed the iron and MCL exceedances and set a timeline for compliance with the iron and manganese MCLs. The District shall continue to monitor Wells 1, 3, and 7A at least quarterly for iron and manganese.

Color is detected in Well 1 at 3 units, Well 5 at 4 units, and at Well 6 at 50 units. Due to exceeding the color MCL of 15 units. Well 7A shall begin quarterly color monitoring.

Turbidity is detected in Well 1 at 2.3 NTU, Well 5 at 1.6 NTU, Well 6 at 6.4 NTU, and Well 7A at 24 NTU. Due to exceeding the turbidity MCL of 5NTU, Well's 6 and 7A shall begin quarterly turbidity monitoring.

Evaluation:. Future source iron, manganese, turbidity, and color monitoring will be included in the permit to operate the Lewis Water Treatment Plant.

f) Source Radiological

Requirements: Initial radiological monitoring has been completed for all sources. All sources are on nine year monitoring for gross alpha.

Detections: None above gross alpha MCL.

Evaluation: All sources are up to date with radiological monitoring.

g) Disinfection By-Product Rule (DBPR) Monitoring

Requirements: Paired TTHM and HAA5 sample sets taken quarterly at 10077 Creekwood Dr. and 12255 Lake Blvd.

Detections: The District was under enforcement for violating the Stage 1 DBPR Total Trihalomethane (TTHM) MCL. Due to decreased usage of surface water, current running annual average values at both sites are less than the TTHM MCL (80 ug/L) and HAA5 (60 ug/L). Table 10 tabulates TTHM and HAA5 samples collected during since the implementation of Stage 2 compliance monitoring.

Table 10: Disinfection By-Product Rule Monitoring

Site	10/22/2013		1/17/2014		4/30/2014		7/30/2014		TTHM RAA	HAA5 RAA
	TTHM	HAA5	TTHM	HAA5	TTHM	HAA5	TTHM	HAA5		
10077 Creekwood Dr.	32.2	6.85	37	13	31	7.5	22	3.6	**30.6**	**7.8**
12255 Lake Blvd.	11.6	2.63	4.7	0	6.9	4.4	0.79	0	**6.0**	**1.8**

All units in ug/L. RAA = running annual average

Evaluation: Currently, both sites are under both the TTHM and HAA5 MCL. Monitoring is due quarterly according to the approved compliance monitoring plan. Quarterly monitoring shall be collected during the end of the first month of each quarter (October, January, April, and July). Fourth Quarter 2014 monitoring shall be collected at the end of October 2014.

h) Lead and Copper Monitoring

Required Frequency: **Twice per year**
No. Samples Required: **20**
Date Next Due: **Between January 1 and March 31, 2015**

The District has exceeded the copper MCL the past six lead and copper monitoring rounds. The District is currently required to monitor lead and copper twice per year. The next round of lead and copper monitoring is due by March 31, 2015. The Division sent a letter to the District, dated May 31, 2013, requiring a corrosion control study and installation of lead and copper treatment.

Table 11: Lead and Copper Monitoring Results

Date of Monitoring	No. of Samples Required	No. of Samples	90th Percentile Lead (mg/L)	90th Percentile Copper (mg/L)
Sep-14	20	20	0.014	**1.8**
Mar-14	20	22	0.015	**1.38**
Sep-13	20	20	0.0078	**2.0**
Mar-13	20	20	0.013	**2.1**
Sep-12	20	20	0.011	**1.7**
Sep-11	10	10	0.0052	**2.6**

3. Monitoring Data Storage

Are chemical/bacteriological laboratory data stored? **Yes**
Duration of Storage**: Several decades**
Method of Storage**: Hard copies**

G. OPERATOR CERTIFICATION

Minimum Chief Distribution Operator: **D2**
Minimum Shift Distribution Operator: **D1**

Minimum Chief Treatment Operator: **T2**
Minimum Shift Treatment Operator: **T1**

Per CCR, Section 64413.3, water systems are designated their distribution classification based upon population size and other distribution system related factors. As of the 2013 Annual Report, the District has a population of 1,300. The District is classified as a Distribution 2 (D2) system.

The Mill Creek WTP is designated a T2 water treatment facility. The Lewis WTP is designated a T1 water treatment plant.

CCR, Sections 64413.5 through 64413.7 states (a) each water supplier shall designate at least one chief operator that meets the requirements for each treatment and/or distribution system utilized by the water system; (b) Each water supplier shall designate at least one shift operator that meets the requirements for each treatment and/or distribution system each operating shift; (c) The chief operator or shift operator shall be on-site or able to be contacted within one hour.

The District employs four certified operators as shown in the table below:

Table 12: Certified Operators

Name	**Title**	**Distribution**	**Treatment**
Mike Mathiasen	Consultant	D2, exp. 12/2016	T3, exp. 2/2016
Ricardo Bojorquez-Villa	Operator	D1, exp. 6/2017	T1, exp. 1/2015
Michael Dresser	Part Time Operator	D2, exp. 5/2017	T2, exp. 1/2017
Aidan Robinson	Part Time Operator	D1, exp. 5/2017	

The District has adequately certified operators.

H. OPERATION AND MAINTENANCE

Does the utility have up-to-date distribution system maps? **Yes**
Up-to-date copy of system schematic on file? **Yes**

1. Cross-Connection Control Program

No. of Backflow Prevention Devices: **16**
No. Tested in 2013: **0**
No. Failed/No. Replaced: **unknown**
Name of Cross-connection control coordinator(s): **Ricardo Villa**
Does the utility have a Cross- Connection Control Ordinance on file? **Yes, dated 11/19/2013**

Per Title 17, Section §7605 of the California Code of Regulations, all backflow preventers shall be tested at least annually. The District established a backflow testing and cross connection program last year and will have all backflow devices tested in 2014.

2. Customer Complaints

Are all complaints recorded? **Yes**
Are all complaints responded to? **Yes**
Digital/Hard Copy? **Hard Copy**

Table 13 summarizes The District's past five years of customer complaints. All complaints are recorded and are responded to by the District staff.

Table 13: Customer Complaints (2009-2013)

Year	Taste / Odor	Color	Turbidity	Waterborne Illnesses	Pressure (High or Low)	Outages	Total
2013	3	2	0	0	16	0	21
2012	10	2	1	0	24	0	37
2011	1	4	0	0	68	40	113
2010	0	3	0	1	30	0	34
2009	0	9	0	0	34	0	43

The majority of the District's customer complaints are pressure and odor from chlorine off-gassing. The District shall continue to track all customer complaints and report yearly results to the District within the Annual Report. All health related complaints shall be immediately reported to the Division.

3. Auxiliary Power Supply

Auxiliary Power for:
Sources? **No**
Pumping Stations? **No**
Water Treatment Plants? **No**

How frequently is backup power tested? **N/A**

Can system pressure be maintained either by backup power or by storage during power outages of two hours or less? **Yes, by storage**
Backup power automatic or manual start: **N/A**

The District has the capability to rent a backup generator from a local store. The Division recommends the District purchase a generator for the Mill Creek WTP, as funds allow.

4. Valve Maintenance Program

No. of Valves/size: **246**
No. Exercised in 2013: **N/A**
Valve exercising frequency: **N/A**
Have all valves been mapped **N/A**
Is number and location of valves satisfactory (mainline, ARVR, blowoff valves, etc.)? **N/A**

The District sent a valve exercising plan to the Division on February 4, 2014. Per AWWA Standard G200-04, Section 4.2.5.1 on Valve Maintenance, "Critical valves in the distribution system shall be identified for exercising on a regular basis. Potential quality and isolation concerns shall be recognized. The program shall track the annual results and set goals to reduce the percent of inoperable valves."

5. Dead End Flushing

No. of dead ends: **23**
Percent with flushing valves: **?**
No. flushed in 2012: **N/A**
Frequency of flushing: **Annual per dead end flushing plan.**

CCR Section 64600 (c) requires a water system to develop a schedule and procedure for flushing dead end mains. The District sent a dead end flushing plan to the Division on February 4, 2014. The plan includes quarterly dead end flushing. Dead end flushing is currently on hold until drought conditions improve.

6. Operation Controls

All District facilities are controlled manually. The Division recommends the District add SCADA to monitor tank levels, as funds allow.

7. System Security

The District's facilities are all locked and fenced. The District has a good overall system security program.

I. WATER SYSTEM MANAGEMENT

1. Management Structure

Who owns the water system? **Special District**
Current organizational chart on file? **Yes**
Are administrations familiar with the Safe Drinking Water Act? **Yes**
Is information adequately managed? **Yes**

The District is governed by five elected board members. The Board is very active and meets periodically. Mike Mathiasen and Ricardo Villa oversee day-to-day operations.

The District has one full time operator and two part time operators. District consultant, Mike Mathiasen, serves as the chief operator and has filled in as a liaison between the Board of Directors and field staff.

2. Water System Finance

Are adequate reserve funds available to support maintenance and staffing requirements? **No**
Is there a Capital Improvement Plan (CIP)? **Yes**

The District has a capital improvement plan which includes upgrades to the Mill Creek WTP, well upgrades, upgrades to the distribution system, installation of SCADA, and general upgrades.

The District currently exceeds the Copper AL. Additionally, the District needs to replace the leaking and aged redwood tanks. The District does not currently have the financial capacity to complete all the needed upgrades to the system.

3. Reporting

Date of last Annual Report? **May 1, 2014**
Date of last Consumer Confidence Report? **2014**
CCR online? **No**

The District has submitted Annual Reports to the Division and CCR certification on time.

4. Emergency Response

Date of most recent Emergency Notification Plan: **2013**
Date of Emergency Response Plan: **N/A**
Tabletop Exercises: **April 2013**

The District has an adequate emergency response plan. The Division recommends the District to conduct periodic tabletop exercises with the emergency response plan.

Report prepared by: Jonathan Weininger

Signature 10/20/2014 Date

STATE WATER RESOURCES CONTROL BOARD
DRINKING WATER FIELD OPERATIONS BRANCH

2014 SANITARY SURVEY DEFICIENCY LIST

(Includes status of deficiencies noted during the 2013 Sanitary Survey)

Purveyor: **Lompico Water District**
System No. **4410015**
Date of Inspection: **July 29, 2014**
Reviewing Engineer: **Jonathan Weininger**

Updated by: _____
Date: _____

Date Found	Description of Existing Deficiency	Order of Hazard	Date to Address Deficiency	Date Corrected	
				Reported	Verified
	SOURCES				
5/21/2013	***Pump Tests***: Please conduct pump tests on all District groundwater sources and send the results to the Division.	N/A	N/A		
	TREATMENT				
5/21/2013	***Mill Creek WTP Backup Power***: The Department recommends the District purchase and install backup power at the Mill Creek WTP.	N/A			
	STORAGE				
9/9/2011	***Upper Lewis (Lewis 2)/ Kaski Tanks 1 and 2***: Lompico CWD must submit to the Department a plan and schedule for repairing all leaking distribution reservoirs. The schedule and plan must be submitted by **May 10, 2012**. **2014 Update**: Upper Lewis and Kaski Tanks 1 and 2 shall be rehabbed or replaced by the District by December 31, 2015. Lower Lewis shall be replaced by December 31, 2017.	A	Action by 12/31/2015 / 12/31/2017		
7/29/2014	***Tank Roof Hatches:*** All tanks shall have a watertight roof hatch, which prevents pooled water and the outside environment from entering the tank.	B	12/31/2014		
	WATER QUALITY AND MONITORING				
5/21/2013	***Copper AL Exceedence***: The District exceeded the Copper AL for three consecutive monitoring periods. The District shall comply with directives for installation of copper treatment as listed in the May 31, 2013 letter to the District.	A	Per Copper AL letter		
5/21/2013	***Well 5 Iron, Manganese, and Turbidity:*** Well 5 was found to be above the Secondary MCL for iron, manganese, and turbidity. These constituents shall be monitored quarterly.	C	Ongoing		
5/21/2013	***Well 7A Iron, Manganese, Color, and Turbidity***: Well 7A was found to be above the Secondary MCL for iron, manganese, color, and turbidity. These constituents shall be monitored quarterly.	C	Ongoing		

ORDER OF HAZARD:

A. CRITICAL HEALTH HAZARD - CORRECTIVE ACTION MUST BE TAKEN IMMEDIATELY
B. SERIOUS HEALTH HAZARD - ACTION MUST BE TAKEN AS SOON AS POSSIBLE
C. POTENTIAL HEALTH HAZARD - MUST BE CORRECTED AS WORK LOAD PERMITS
D. SYSTEM OR OPERATIONAL DEFECT RESULTING IN POOR WATERWORKS PRACTICE

STATE WATER RESOURCES CONTROL BOARD
DRINKING WATER FIELD OPERATIONS BRANCH
COMPLETED DEFICIENCIES

Purveyor: **Lompico Water District**
System No. **4410015**
Date of Inspection: **July 29, 2014**
Reviewing Engineer: **Jonathan Weininger**

Date Found	Description of Completed Deficiency	Order of Hazard	Date to Address Deficiency	Date Corrected	
				Reported	Verified
	SOURCES				
9/9/2011 & 5/21/2013	***Source Capacity Planning Study***: Lompico CWD must conduct a source capacity planning study pursuant to Section 64558 of the California Code of Regulations and submit the results to the Department by **July 31, 2012**. The study shall include the production capacity for all active groundwater sources based on a recent dry season constant-rate pump test (i.e., performed within the last 3 years) pursuant to Section 64554, Title 22, CCR. In addition, Lompico CWD must include the date and duration of any water shortage and/or low pressure incident that occurred in the past 2 years due to insufficient source capacity or a source being out of service.	A	12/10/2013		Added emergency connection to SLVWD - 7/29/2014
	TREATMENT				
9/9/2011& 5/24/2013	***Mill Creek WTP GAC***: The Lompico CWD must inspect the inside of the GAC filters to determine the condition of the filter media. Pressure gages should be installed to measure the differential pressure across the filters. Sample taps should be installed on the effluent piping for each GAC filter at a point before chlorine injection. Proof of completion must be submitted to the Department by **June 10, 2012**. **2014 Update**: The filters were inspected along with the Division in 2014. The filter media is past its useful life and should not be used. The GAC filters have been disconnected from the Mill Creek SWTP.	C	When re-activating GAC Vessels		3/25/2014
9/9/2011 & 5/21/2013	***Mill Creek WTP Operations Plan:*** The Lompico CWD must prepare a Treatment Plant Operations Plan for the Mill Creek plant in accordance with Section 64661of Title 22. The Operations Plan must be submitted to the Department by **July 31, 2012**. **2014 Update**: An Operations Plan was submitted to the Division on January 23, 2014	A	**12/31/2013**		1/23/2014

Date Found	Description of Completed Deficiency	Order of Hazard	Date to Address Deficiency	Date Corrected	
				Reported	Verified
9/9/2011	***Mill Creek WTP:*** The Lompico CWD must have a written plan for obtaining standby replacement equipment needed for the operation and control of the unit processes for filtration in an emergency. The plan must include the name and function of each necessary part, from whom each part can be obtained, how long it would take to obtain the part, who should be contacted for installation if it can't be installed by the certified treatment operator, and how long it would take for installation to be completed once the replacement part is onsite. A copy of the plan must be included in the Operations Plan required in No. 17 above, and also be available in the water system office. In addition, Lompico must review the filtration parts replacement plan annually to ensure that all information is current, and update as necessary. **Please submit a copy of the initial Filter Part Replacement Plan to the Department by April 10, 2012.** A copy of the updated plan must be submitted to the Department annually. 2014 Update: Mill Creek WTP Operations plan submitted on January 23, 2014.	B	12/31/2013 - with Operations Plan		1/23/2014
	STORAGE				
9/9/2011	***Tank Cleanings***: The Lompico CWD must submit to the Department a plan and schedule for conducting professional inspections and cleaning of all distribution reservoirs. After cleaning or repairs are completed, the reservoir must be disinfected in accordance with Section 64582 of Title 22. Inspection reports must be submitted to the Department. The plan and schedule must be submitted by **May 10, 2012**.	D		5/23/2012 - Need copy of dive report	7/29/2014
	OPERATIONS AND MAINTENANCE				
5/21/2013	***Implementation of a Cross Connection Control Program***: The District shall track all backflow prevention devices located within the District's service area. The District shall adopt and enforce a cross connection control ordinance which gives the District the legal authority to require homeowners with backflow prevention devices to submit proof of annual testing at the threat of termination of service. The District shall submit proof of Board adoption of a cross connection control ordinance and a list of all backflow prevention devices and dates of last testing to the Department. **2014 Update: *Cross Connection Ordinance adopted by Board of Directors on 11/19/2013. All backflow devices anticipated to be exercised in 2014.***	A	**5/1/2014**		7/29/2014

Date Found	Description of Completed Deficiency	Order of Hazard	Date to Address Deficiency	Date Corrected	
				Reported	Verified
5/21/2013	***Valve Maintenance Program***: The District shall implement a valve maintenance program which includes exercising all critical valves annually and all other valves at a regular schedule. Please provide the Department with documentation detailing the District's valve maintenance program/protocol. Valves which fail shall be repaired or replaced. All valve exercising shall be recorded and stored at the District's office.	C	12/31/2013		2/20/2014
5/21/2013	***Dead End Flushing Program***: The District shall implement a dead end flushing program. The program shall identify dead ends which have been deemed problematic due to historic stagnant water or poor water quality. These dead ends shall be exercised periodically. Please provide documentation to the Department with a written protocol of the program. All dead end flushing shall be recorded by the District and stored at the District's office. **2014 Update: A dead end flushing and Valve Maintenance plan was sent to the Division on February 20, 2014.**	C	12/31/2013		2/20/2014
	WATER QUALITY AND MONITORING				
9/9/2011 & 5/21/2013	***Well 5 & 7A Iron and Manganese:*** has iron in exceedence of 5 times the maximum contaminant level based on monitoring in December 2011, with historic results showing significantly higher iron levels. Lompico CWD must submit a plan and schedule to the Department by **May 10, 2012** for rehabilitating the existing out-or-service iron removal plant or installing new treatment for removing iron from the water from Well 7A. The Department must approve any proposal prior to implementation. **2014 Update:** The Lewis WTP has been installed (August 2014)	A	12/31/2013		Aug-14
5/21/2013	***Stage 1 DBPR MCL Exceedence***: The District exceeded the TTHM MCL in the second quarter of 2013. The District shall comply with the compliance order to be issued subsequent to this report and associated directives by the dates listed within the compliance order.	A	Per Compliance Order		Quarterly RAA below TTHM MCL
5/21/2013	***Water Quality Monitoring Plan:*** The District shall assemble a water quality monitoring plan which details all applicable source monitoring, lead and copper monitoring, disinfection by product monitoring, etc.	D			Monitoring current
	OPERATOR CERTIFICATION				
11/1/2013	***Chief Operator:*** The District shall employ a D2 and T2 operator(s) to act as distribution and treatment chief operator(s).	A	12/31/2013		Mike Mathiasen satisfies requirement 7/29/2014

Date Found	Description of Completed Deficiency	Order of Hazard	Date to Address Deficiency	Date Corrected	
				Reported	Verified
	WATER SYSTEM MANAGEMENT				
5/21/2013	***Staffing:*** The Department recommends the District add a full or part time manager to bridge the gap between the board of directors and operations staff.	N/A			Mike Mathiasen satisfies requirement 7/29/2014