

State Water Resources Control Board

Division of Drinking Water

August 4, 2015
System No.: 1503623

Mr. Peter Dulcich, Partner
Jakov Dulcich & Sons Water System
31956 Peterson Rd
McFarland, CA 93250

RE: Citation No. 03-12-15C-011 Violation Of CCR, Title 22, Treated Nitrate Maximum Contaminant Level Sections 64431, 64432 and 64432.1 For January, February, and May 2015

Dear Mr. Dulcich:

Enclosed is a Citation issued to the Jakov Dulcich & Sons Water System (Water System).

The Water System will be billed at the Division's hourly rate (currently estimated at \$128.00) for the time spent on issuing this Citation. The California Health and Safety Code Section 116577 provides that a public water system must reimburse the Division for actual costs incurred by the Division for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with a citation. At this time, the Division has spent approximately two hours on enforcement activities associated with this violation.

The Water System will receive a bill sent from the Division of Drinking Water Fee Billing Unit in August of the next fiscal year. This bill will contain fees for any enforcement time spent on Jakov Dulcich & Sons Water System for the current fiscal year.

If you have any questions regarding this letter and the enclosed citation, please contact me at (559) 447-3300 or Adam Forbes at (559) 447-3137.

Sincerely,



Tricia A. Wathen, P.E.
Senior Sanitary Engineer, Visalia District
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

TAW/ATF
Enclosures
cc: Kern County Environmental Health Department

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**STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER**

IN RE: **Jakov Dulcich & Sons Water System**
WATER SYSTEM NO. 1503623

TO: Mr. Peter Dulcich, Partner
Jakov Dulcich & Sons Water System
31956 Peterson Rd
McFarland, CA 93250

CC: Kern County Environmental Health Department

**CITATION FOR VIOLATION OF
THE CALIFORNIA CODE OF REGULATIONS, TITLE 22,
MONITORING AND COMPLIANCE- INORGANIC CHEMICALS
TREATED NITRATE MAXIMUM CONTAMINANT LEVEL
SECTION 64431, 64432 and 64432.1, January, February, and May 2015**

Issued on August 4, 2015

Section 116650, Chapter 4, Part 12, Division 104 of the California Health and Safety Code (CHSC), authorizes the issuance of a citation for failure to comply with a requirement of the California Safe Drinking Water Act (hereinafter "California SDWA"), or any regulation, standard, permit, or order issued or adopted thereunder.

The State Water Resources Control Board (hereinafter "State Board"), acting by and through its Division of Drinking Water (hereinafter "Division") and the Deputy Director for the Division (hereinafter "Deputy Director"), hereby issues a Citation to the Jakov Dulcich & Sons Water System (hereinafter "Water System"), for failure to comply with Sections 64431, 64432 and 64432.1 of Title 22, California Code of Regulations (hereinafter "CCR").

1 Specifically, the Water System (mailing address: 31956 Peterson Rd. McFarland, CA
2 93250) failed to comply with monitoring and compliance requirements and the primary
3 standard for Nitrate (post treatment) during the months of January, February, and May
4 2015.

5
6 **STATEMENT OF FACTS**

7 The Water System operates under Domestic Water Supply Permit No. 03-19-13P-021,
8 issued by the Division on September 17, 2013. The Water System is classified as a
9 transient noncommunity water system. The facility usually has 20-25 employees from the
10 middle of July through the middle of December (5 months). In addition, the Water System
11 serves a daily transient population of approximately 20 (truck drivers and visitors) who visit
12 the facility. Water is supplied by Well No. 2, which serves both the domestic water and the
13 industrial water. An overflow pipe in the industrial storage tank is set lower than the inlet
14 pipes and a double check valve is provided at the inlet pipe from Well No. 2 to prevent a
15 cross connection. The domestic water is treated to reduce the nitrate concentration via
16 anion exchange. Downstream of the treatment, water is disinfected via sodium hypochlorite
17 injection. The finished water is stored in a 10,000 gallon storage tank.

18
19 The Water System utilizes anion exchange as a method of reducing the nitrate
20 concentration delivered to customers. The Water System is required to provide a daily field
21 test of both the north and south treatment vessels for nitrate levels to the Division. These
22 tests are to be summarized in a monthly report and submitted to the Division by the 10th
23 day of the following month. These forms have been partially filled out by the Water System
24 staff, and not the Contract Operator. There are no indications on these reports of the
25 quantity of water treated prior to regenerating the media, the date the vessels were
26 regenerated, or any comments on the treatment process. The form that the Division is
27

1 receiving monthly is INCOMPLETE and must be filled out with as much information as
2 possible, monthly.

3
4 According to the Operations Plan on file, the Water System should be regenerating the
5 media after 50,000 gallons of water have been treated. However, it doesn't appear that the
6 media is being properly regenerated at the correct frequency, as the treatment has failed
7 numerous times since August 2014. The Water System was issued an Enforcement Letter
8 (No. 03-19-14E-022) in September 2014 due to numerous failures of the nitrate treatment.
9 In addition, should any nitrate result be greater than 40 mg/L, the Water System is required
10 to collect a follow up sample and contact the Division. Since the regulatory oversight of the
11 Water System was transferred to the Visalia District of the Division in January 2015, there
12 have been three (3) nitrate samples of greater than the MCL of 45 mg/L. The Division was
13 not contacted after any of these three sample results. These failures are summarized
14 below in Table 1:

15
16 **Table 1: Nitrate Treatment MCL Violations Dates**

| Date | Nitrate as NO ₃ (in mg/L) |
|-----------|--------------------------------------|
| 1/28/2015 | 54 |
| 2/10/2015 | 53 |
| 5/05/2015 | 54 |

17
18
19
20 Based on sample dates, it appears that repeat samples could have been taken after the
21 Water System was notified by the lab of the failure. However, sample dates are not
22 consistent, and the Water System is required to sample weekly for nitrate using a certified
23 laboratory. These failures and lack of monitoring is not acceptable.

24
25
26 As of July 2015, the California regulation for nitrate was revised to change the reporting
27 units from nitrate (as NO₃) to nitrate (as nitrogen, or "as N"). This revision maintains the

1 same maximum contaminant levels (MCLs) for nitrate (as NO₃) at 45 mg/L and nitrate (as
2 N) at 10 mg/L. Please ensure that future monitoring for nitrate is analyzed as nitrate (as N).

3 **DETERMINATION**

4 Title 22, CCR, Section 64431 specifies that public water systems shall comply with the
5 primary MCLs as specified. The MCL for Nitrate (as NO₃) is 45 mg/L. The Water System
6 has installed treatment for the groundwater source that exceeds the nitrate MCL; however
7 it is not being operated properly. To comply with Section 64431, 64432.1 of the CCR, the
8 Water System must provide effective treatment to ensure that water meeting the nitrate
9 MCL is delivered to the customers. The Water System does not appear to be regenerating
10 the media effectively to optimize treatment.

11
12 Section 64432.1(a) states that a water supplier shall require the laboratory to notify the
13 supplier within 24 hours whenever the level of nitrate in a single sample exceeds the MCL.
14 The water supplier shall ensure that a contact person is available to receive such analytical
15 results 24-hours a day. The water supplier shall also require the laboratory to notify the
16 Division of any acute nitrate MCL exceedance if the laboratory cannot make direct contact
17 with the designated contact person within 24 hours. In addition, within 24 hours of
18 notification, the water supplier shall collect another sample.

19
20 The Water System is required to notify its consumers whenever there is a failure to comply
21 with the nitrate MCL. Public notification for violations of Sections 64431 and 64432.1 of the
22 CCR is included in Attachment A. Proof of Public Notification (Attachment B) must be
23 submitted to the Division within ten (10) days of disseminating Attachment A. The Water
24 System must either mail or hand-deliver the notice to all of its customers.

25 26 **APPLICABLE AUTHORITIES**

27 **Section 116650, California SDWA, states in relevant part:**

1 (a) If the department determines that a public water system is in violation of this chapter or any
2 regulation, permit, standard, citation, or order issued or adopted thereunder, the department may
3 issue a citation to the public water system. The citation shall be served upon the public water
4 system personally or by certified mail. Service shall be deemed effective as of the date of personal
5 service or the date of receipt of the certified mail. If a person to whom a citation is directed refuses
6 to accept delivery of the certified mail, the date of service shall be deemed to be the date of mailing.

7 (b) Each citation shall be in writing and shall describe the nature of the violation or violations,
8 including a reference to the statutory provision, standard, order, citation, permit, or regulation
9 alleged to have been violated.

10 (c) A citation may specify a date for elimination or correction of the condition constituting the
11 violation.

12 (d) A citation may include the assessment of a penalty as specified in subdivision (e).

13 (e) The department may assess a penalty in an amount not to exceed one thousand dollars
14 (\$1,000) per day for each day that a violation occurred, and for each day that a violation continues
15 to occur. A separate penalty may be assessed for each violation.

16 DIRECTIVES

17 To ensure that the water supplied by the Water System is at all times safe, wholesome,
18 healthful, and potable, and pursuant to the California SDWA, the Jakov Dulcich & Sons
19 Water System is hereby directed to take the following actions:

20 1. The Water System shall submit a written report to the Division by **September**
21 **1, 2015**, describing:

22 (a) the cause of the failure to provide water that meets the nitrate MCL, and any
23 corrective actions taken, and

24 (b) any necessary operational changes that will be made to prevent future
25 treatment failures.

26 2. The Water System shall notify the Division no later than by the end of the next
27 business day or within 24 hours when the laboratory sample of nitrate on any given
day is above the nitrate (as N) MCL of 10 mg/L (as N).

3. The Water System shall provide public notification to all customers by mail or hand-
delivery by **August 5, 2015**, informing them that the water did not meet the nitrate

1 MCL during the months of January, February, and May 2015. The public notification
2 is included in Attachment A.

- 3 4. The Water System shall provide proof of publication of the notification to the
4 Division by **September 1, 2015**. A copy of this form is included as Attachment B.
5
6 5. The Water System needs to provide an updated Nitrate Treatment Operations Plan
7 by October 1, 2015. The Plan should include new procedures to ensure the Water
8 System consistently meets the nitrate MCL.
9
10 6. All submittals required by this Citation shall be addressed to:

11 Tricia A. Wathen, P.E.
12 Senior Sanitary Engineer – Visalia District
13 State Water Resources Control Board
14 Division of Drinking Water
15 265 W. Bullard Avenue, Suite 101
16 Fresno, CA 93704

15 **CIVIL PENALTIES**

16 Sections 116650(d) and 116650(e) of the CHSC allow for the assessment of a civil penalty
17 for failure to comply with requirements of the California Safe Drinking Water Act. Failure to
18 comply with any provision of this Citation may result in the Division imposing an
19 administrative penalty of not less than \$100 (one hundred dollars) per day as of the date of
20 violation of any provision of this Citation.

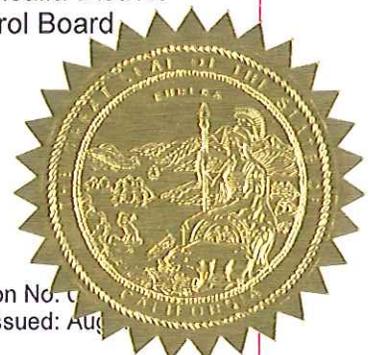
21
22
23 August 3, 2015
24 Date

22 Tricia A. Wathen
23 Tricia A. Wathen, P.E.
24 Senior Sanitary Engineer – Visalia District
25 State Water Resources Control Board
26 Division of Drinking Water

26 TAW/ATF

27 **Attachments:**

Attachment A: Public Notification Form
Attachment B: Proof of Notification Form
Attachment C: Historical Treated Nitrate Results



DATE: 07/16/15
REPORT: R-040/2-3

STATE OF CALIFORNIA
DRINKING WATER PROGRAM

PAGE: 1

DRINKING WATER ANALYSES RESULTS REPORT
ALL SAMPLES FOR SELECTED CONSTITUENTS - ALL RESULTS
FOR SAMPLE DATE RANGE OF 19940101 THRU 20150716
REPORT OF COUNTY: 15 KERN

SYSTEM NO: 1503623 NAME: JAKOV DULCICH & SONS WATER SYSTEM COUNTY: KERN
SOURCE NO: 003 NAME: ION EXCHANGE TREATMENT PSCODE: 1503623-003 CLASS: OTHR STATUS: AT

| GROUP IDENTIFICATION CONSTITUENT IDENTIFICATION | SAMPLE DATE | RESULT * | MCL | DLR | TRIGGER | UNIT |
|--|----------------|----------|---------|--------|---------|------|
| ----- | | | | | | |
| NI NITRATE/NITRITE | | | | | | |
| 71850 NITRATE (AS N03) | 05/14/2013 . | 3.1000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 05/21/2013 . | 2.9000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 05/28/2013 . | 2.7000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 06/04/2013 . | 2.5000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 06/11/2013 . | 2.4000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 06/18/2013 . | 2.7000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 06/25/2013 . | 2.1000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 07/02/2013 . | 2.4000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 07/09/2013 . | 2.2000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 07/16/2013 . | 2.3000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 07/23/2013 . | 4.7000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 07/30/2013 . | 3.4000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 08/06/2013 . | 3.7000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 08/13/2013 . | 3.9000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 08/20/2013 . | 4.5000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 08/27/2013 . | 4.3000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 09/05/2013 . | 3.8000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 09/10/2013 . | 4.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 09/17/2013 . | 4.2000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 10/01/2013 . | 4.4000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS N03) | 10/22/2013 . | 9.3000 | 45.0000 | 2.0000 | 23.0000 | MG/L |

NOTE1: * = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

DRINKING WATER WARNING

Jakov Dulcich & Sons Water System water has high levels of nitrate

**DO NOT GIVE THE WATER TO INFANTS UNDER 6 MONTHS OLD
OR PREGNANT WOMEN OR USE IT TO MAKE INFANT FORMULA**

Water sample results received _____ [insert date] showed nitrate levels of _____ [insert level and units]. This is above the nitrate standard, or maximum contaminant level (MCL), of 45 milligrams per liter. Nitrate in drinking water is a serious health concern for infants less than six months old.

What should I do?

- **DO NOT GIVE THE WATER TO INFANTS.** *Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and blueness of the skin. Symptoms in infants can develop rapidly, with health deteriorating over a period of days. If symptoms occur, seek medical attention immediately.*
- **PREGNANT WOMEN SHOULD NOT CONSUME THE WATER.** *High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women.*
- Water, juice, and formula for children under six months of age should not be prepared with tap water. Bottled water or other water low in nitrates should be used for infants until further notice.
- **DO NOT BOIL THE WATER.** Boiling, freezing, filtering, or letting water stand does not reduce the nitrate level. Excessive boiling can make the nitrates more concentrated, because nitrates remain behind when the water evaporates.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

Nitrate in drinking water can come from natural, industrial, or agricultural sources (including septic systems, storm water run-off, and fertilizers). Levels of nitrate in drinking water can vary throughout the year. We will let you know if the amount of nitrate is again below the limit. [Describe corrective action, seasonal fluctuations, and when system expects to return to compliance.] _____

For more information, please contact _____ [insert name of contact] at _____ [insert phone number] or _____ [insert mailing address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Jakov Dulcich & Sons Water System.

Date distributed: _____.

PROOF OF NOTIFICATION
(Return with a copy of the Notice)

As required by Section 116450 of the California Health and Safety Code, I notified all users of water supplied by the **Jakov Dulcich & Sons Water System** of the failure to meet the **Nitrate MCL** for the:

Circle one: 1st 2nd 3rd 4th quarter of _____ (year).

Notification was made on _____
(date)

To summarize report delivery used and good-faith efforts used, please check all items below that apply and fill-in where appropriate:

- Posted the notice at the following conspicuous locations served by the water system (if needed, please attach a list of locations).

- The notice was distributed by **mail** or **direct delivery** (*please circle delivery method used*) to each customer served by the water system.
- Publication of the notice in a local newspaper or newsletter of general circulation (attach a copy of the published notice, including name of newspaper and date published).
- Posted the notice on the Internet at www. _____
- Email message to employees or students. _____
- Other method used to notify customers. _____

DISCLOSURE: Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Certified by: Name _____
Signature _____
Title _____
Date _____

Nitrate MCL Exceedance / Citation No.: 03-12-15C-011
Due to the Division of Drinking Water within 10 days of notification to the public to the following address:

Division of Drinking Water
Visalia District Office
265 W. Bullard Avenue, Suite 101
Fresno, CA 93704

DRINKING WATER ANALYSES RESULTS REPORT
 ALL SAMPLES FOR SELECTED CONSTITUENTS - ALL RESULTS
 FOR SAMPLE DATE RANGE OF 20130101 THRU 20150803
 REPORT OF COUNTY: 15 KERN

SYSTEM NO: 1503623 NAME: JAKOV DULCICH & SONS WATER SYSTEM COUNTY: KERN
 SOURCE NO: 003 NAME: ION EXCHANGE TREATMENT PSCODE: 1503623-003 CLASS: OTHR STATUS: AT

| GROUP IDENTIFICATION CONSTITUENT IDENTIFICATION | SAMPLE DATE | RESULT * | MCL | DLR | TRIGGER | UNIT |
|--|----------------|----------|---------|--------|---------|------|
| ----- | | | | | | |
| NI NITRATE/NITRITE | | | | | | |
| 71850 NITRATE (AS NO3) | 05/14/2013 . | 3.1000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 05/21/2013 . | 2.9000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 05/28/2013 . | 2.7000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 06/04/2013 . | 2.5000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 06/11/2013 . | 2.4000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 06/18/2013 . | 2.7000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 06/25/2013 . | 2.1000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 07/02/2013 . | 2.4000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 07/09/2013 . | 2.2000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 07/16/2013 . | 2.3000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 07/23/2013 . | 4.7000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 07/30/2013 . | 3.4000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 08/06/2013 . | 3.7000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 08/13/2013 . | 3.9000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 08/20/2013 . | 4.5000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 08/27/2013 . | 4.3000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 09/05/2013 . | 3.8000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 09/10/2013 . | 4.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 09/17/2013 . | 4.2000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 10/01/2013 . | 4.4000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 10/22/2013 . | 9.3000 | 45.0000 | 2.0000 | 23.0000 | MG/L |

NOTE1: * = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
 NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

DRINKING WATER ANALYSES RESULTS REPORT
 ALL SAMPLES FOR SELECTED CONSTITUENTS - ALL RESULTS
 FOR SAMPLE DATE RANGE OF 20130101 THRU 20150803
 REPORT OF COUNTY: 15 KERN

SYSTEM NO: 1503623 NAME: JAKOV DULCICH & SONS WATER SYSTEM COUNTY: KERN
 SOURCE NO: 003 NAME: ION EXCHANGE TREATMENT PSCODE: 1503623-003 CLASS: OTHR STATUS: AT

| GROUP IDENTIFICATION CONSTITUENT IDENTIFICATION | SAMPLE DATE | RESULT * | MCL | DLR | TRIGGER | UNIT |
|--|----------------|-----------|---------|--------|---------|------|
| 71850 NITRATE (AS NO3) | 10/29/2013 . | 10.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 11/05/2013 . | 10.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 11/05/2013 . | 39.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 11/12/2013 . | 11.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 11/25/2013 . | 11.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 12/03/2013 . | 10.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 02/04/2014 . | 64.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 03/11/2014 . | 12.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 03/18/2014 . | 12.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 03/27/2014 . | 14.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 04/01/2014 . | 19.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 04/15/2014 . | 17.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 04/22/2014 . | 13.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 04/29/2014 . | 14.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 05/06/2014 . | 14.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 05/20/2014 . | 17.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 05/28/2014 . | 17.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 06/10/2014 . | 18.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 06/17/2014 . | 18.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 06/25/2014 . | 20.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 07/02/2014 . | 19.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 07/15/2014 . | 22.0000 | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 07/29/2014 . | 35.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |

NOTE1: * = RESULT IS EQUAL TO OR GREATER THAN TRIGGER
 NOTE2: .000 = RESULT WAS REPORTED AS NON-DETECTED EXCEPT FOR RAD

DRINKING WATER ANALYSES RESULTS REPORT
 ALL SAMPLES FOR SELECTED CONSTITUENTS - ALL RESULTS
 FOR SAMPLE DATE RANGE OF 20130101 THRU 20150803
 REPORT OF COUNTY: 15 KERN

SYSTEM NO: 1503623 NAME: JAKOV DULCICH & SONS WATER SYSTEM COUNTY: KERN
 SOURCE NO: 003 NAME: ION EXCHANGE TREATMENT PSCODE: 1503623-003 CLASS: OTHR STATUS: AT

| GROUP IDENTIFICATION CONSTITUENT IDENTIFICATION | SAMPLE DATE | RESULT * | MCL | DLR | TRIGGER | UNIT |
|--|----------------|-----------|---------|--------|---------|------|
| 71850 NITRATE (AS NO3) | 08/07/2014 . | 41.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 08/28/2014 . | 59.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 09/02/2014 . | 65.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 09/09/2014 . | 64.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 09/16/2014 . | 70.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 10/14/2014 . | 53.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 10/28/2014 . | 45.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 11/04/2014 . | 52.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 11/11/2014 . | 46.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 11/21/2014 . | 30.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 11/24/2014 . | 25.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 12/02/2014 . | 39.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 01/05/2015 . | 27.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 01/28/2015 . | 54.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 02/04/2015 . | 34.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 02/10/2015 . | 53.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 02/24/2015 . | 37.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 03/13/2015 . | 27.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 05/05/2015 . | 54.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 05/12/2015 . | 39.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |
| 71850 NITRATE (AS NO3) | 06/09/2015 . | 27.0000 * | 45.0000 | 2.0000 | 23.0000 | MG/L |

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