



RON CHAPMAN, MD, MPH
Director & State Health Officer

State of California—Health and Human Services Agency
California Department of Public Health



EDMUND G. BROWN JR.
Governor

August 23, 2013

Mr. Robert Nobles, Jr.
Correctional Plant Manager II
California Institution for Men
14901 Central Avenue
Chino, CA 91710

CITATION NO. 05-13-13C-008
CALIFORNIA INSTITUTION FOR MEN (SYSTEM NO. 3610850)

Dear Mr. Nobles:

The Department of Public Health (Department) hereby issues a citation to the California Institution for Men (CIM) for the following violations:

1. Title 22, California Code of Regulations (CCR), Section 64426.1(b)(1). Specifically, CIM failed to meet the Primary Drinking Water Standards for bacteriological quality. A public water system, which collects fewer than 40 samples per month, is in violation of the Total Coliform Maximum Contaminant Level (MCL) when more than 1 of the samples collected during a single month is total coliform-positive.
2. Title 22, California Code of Regulations (CCR), Section 64424 (a)(1). Specifically, CIM failed to collect bacteriological repeat samples within 24 hours of the positive total-coliform notification.
3. Title 22, California Code of Regulations (CCR), Section 64430. The CIM failed to conduct triggered source monitoring per Groundwater Rule (GWR).
4. Title 22, California Code of Regulations (CCR), Section 64423 (a)(1). Specifically, the CIM failed to collect any routine distribution system samples in the first week of July 2013.

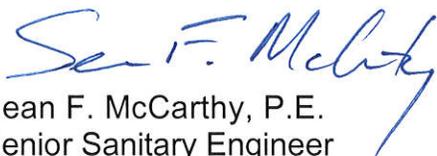
California Institution For Men

Page 2

August 23, 2013

If you have any questions regarding this letter, please contact Esther Brewer at (909) 383-5468.

Sincerely,



Sean F. McCarthy, P.E.
Senior Sanitary Engineer
South Coast Section
CDHS - Drinking Water Field Operations Branch

Enclosure: Citation No. 05-13-13C-008

bcc: 3610850– **Compliance** (w/enclosures)
Reading (w/o enclosures)
Region (w/o enclosures)
E. Brewer – (w/enclosures)
F. Asad (w/o enclosures)

3610850CIT008.doc

ENCLOSURE

CITATION NO. 05-13-13C-008

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STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

3 **IN RE:** California Institution for Men
4 14901 Central Avenue
5 Chino, CA 91710

6 **TO:** Mr. Robert Nobles, Jr.
7 Correctional Plant Manager II

8
9 **CITATION FOR NONCOMPLIANCE – WATER SYSTEM NO. 3610850**

10 **CITATION NO. 05-13-13C-008**

11 **Issued on August 23, 2013**

12
13 Section 116650 of Chapter 4 of Part 12 of Division 104 of the California Health and
14 Safety Code (H&S Code) authorizes the issuance of a citation for failure to comply with
15 a requirement of the California Safe Drinking Water Act or any regulation, standard,
16 permit, or order issued thereunder.

17
18 **VIOLATION**

19
20 The Division of Drinking Water and Environmental Management of the California
21 Department of Public Health (hereinafter Department) hereby issues a citation to the
22 California Institution for Men (hereinafter CIM) for the following violations:

- 23
24 1. Title 22, California Code of Regulations (CCR), Section 64426.1(b)(1). Specifically,
25 CIM failed to meet the Primary Drinking Water Standards for bacteriological quality.
26 A public water system, which collects fewer than 40 samples per month, is in
27

1 violation of the Total Coliform Maximum Contaminant Level (MCL) when more than
2 1 of the samples collected during a single month is total coliform-positive.

3

4 2. Title 22, California Code of Regulations (CCR), Section 64424 (a)(1). Specifically,
5 CIM failed to collect bacteriological repeat samples within 24 hours of the positive
6 total-coliform notification.

7

8 3. Title 22, California Code of Regulations (CCR), Section 64430. The CIM failed to
9 conduct triggered source monitoring per Groundwater Rule (GWR).

10

11 4. Title 22, California Code of Regulations (CCR), Section 64423 (a)(1). Specifically,
12 the CIM failed to collect any routine distribution system samples in the first week of
13 July 2013.

14

15 In accordance with Section 64426.1 (b) (1) of Title 22, CCR, the Department has
16 determined that there was a violation of the total coliform MCL. It has also been
17 determined that at least three (3), procedural violations have occurred.

18

19 **BACKGROUND**

20

21 CIM serves an estimated population of 10,667 persons through 25 service connections.
22 CIM water system is currently operating by authority of Water Permit No. 04-91-10
23 issued by the Department on October 25, 1991. CIM water supply sources are ground
24 water obtained from seven (7) deep vertical wells. CIM has two storage tanks with a
25 total storage capacity of 2.736 million gallons. CIM's distribution system is comprised of
26 one pressure zone.

27

1 CIM collects four (4) routine bacteriological water quality samples per week from the
2 distribution system, in accordance with their revised Coliform Sample Siting Plan dated
3 January 24, 2012.

4
5 During the first week of July 2013, CIM failed to conduct bacteriological routine
6 sampling. A total of 16 routine samples from the distribution system were collected
7 throughout the month, but a total of 20 were required. CIM became aware of this
8 sampling error on August 6, 2013, when they notified the Department.

9
10 On July 10, 2013, CIM collected four (4) routine distribution system samples for
11 bacteriological analysis. Two (2) of the samples collected, at Facilities B and C, were
12 total coliform-positive, but *E.coli* absent. **(Attachment No. 1)**

13
14 On July 12, 2013, CIM collected six (6) repeat samples from the distribution system for
15 bacteriological analysis. The samples were not submitted for analysis to the laboratory
16 until July 15, 2013, which exceeded the 48 hour holding time for coliform testing.
17 Triggered source monitoring was conducted July 15, 2013, not within the 24 hours of
18 the notification of the positive bacteriological distribution sample.

19
20 On July 15, 2013, CIM collected an additional round of six (6) bacteriological samples
21 from the repeat sample sites, and three (3) from the active sources, Wells 1A, 14, and
22 16. All distribution system and source samples were absent of total coliform and
23 *E.coli*/Fecal.

24
25 On August 8, 2013, CIM provided to the Department, a copy of the Tier 2 Public Notice,
26 Proof of Notification to Consumers, the Positive Total Coliform Investigation Report; and
27 a detailed summary of events. **(Attachment No. 2)**

1 According to the Positive Total Coliform Investigation Report and detailed time-line of
2 events submitted by CIM, during the first week of July 2013 the system experienced a
3 loss of pressure at the facility. CIM believes the cause of bacteriological contamination
4 was related to the loss of pressure and lack of flushing after it was reported. Due to the
5 loss of pressure, the CIM placed emergency water restrictions on Facility B. A bulletin
6 enforcing the restrictions was posted at the facility from July 5, 2013 to July 8, 2013.

7 **(Attachment No. 3)**

8
9 It was also indicated that the sampling errors were due to a miscommunication amongst
10 staff concerning CIM's new/old Laboratory Service Contract provider, and a lack of
11 instruction to personnel.

12
13 In accordance with Section 116650 of the Health and Safety Code, the violation is
14 classified as a non-continuing violation.

15
16 **DIRECTIVES**

17
18 As a result of above violations, CIM is hereby directed to take the following actions:

- 19
20 1. CIM shall notify it's consumers of the bacteriological water quality failure in
21 conformance with Section [64426.1(b)(2)], Title 22, CCR:
- 22
 - 23 • A Tier 2 Public Notice shall be issued by posting in a conspicuous place, such
24 as near faucets and drinking fountains, or at locations throughout the area
25 served by the water system. The content of the notice shall be approved by the
26 Department prior to posting. The posting shall be maintained for at least seven
27 (7) consecutive days.

- 1 • The notice shall contain mandatory health effects language for microbiological
2 contaminants pursuant to Appendix 64465-A, of Title 22, CCR. The contents of
3 notice shall be approved by the Department prior to its issuance. **CIM**
4 **completed this Directive on August 8, 2013.**

- 5
6 2. CIM shall submit a copy of the public notice and certification that all the public
7 notice requirements have been met pursuant to Section [64469(d)], Tittle 22, CCR.
8 **CIM completed this directive on August 8, 2013.**

- 9
10 3. CIM must submit a completed Positive Total Coliform Rule Investigation report to
11 the Department. **CIM completed this directive on August 13, 2013.**

12
13 All submittals required by this citation shall be sent to:

14
15 Sean F. McCarthy, P.E.
16 Senior Sanitary Engineer
17 Department of Public Health
18 Drinking Water Field Operations Branch
19 464 W. 4th Street, Suite 437
20 San Bernardino, CA 92401

21 **CIVIL PENALTIES**

22
23 Section 116650 (d) and (e) of the H&S Code allow for the assessment of a civil penalty
24 for failure to comply with requirements of the Safe Drinking Water Act. Failure to
25 comply with any provision in this citation will result in the Department imposing an
26 administrative penalty of up to \$200.00 (two hundred dollars) per day as of the date of
27 violation of any provision of this citation.

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August 23, 2013
Date

Sean F. McCarthy
Sean F. McCarthy, P.E.
Senior Sanitary Engineer
San Bernardino District



- Attachment No. 1: July 2013, Monthly Coliform Summary & Lab Results
- Attachment No. 2: Emergency Water Restriction Bulletin posted by CIM
- Attachment No. 3: Completed Directives submitted by CIM

cc: SBCDEHS (w/o attachments)

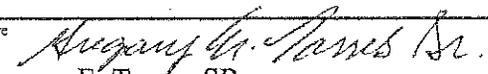
Attachment No. 1

July 2013 Monthly Coliform Summary & Lab Results

MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING (including triggered source monitoring for systems subject to the Groundwater Rule)

| | |
|--|---|
| System Name <p style="text-align: center; font-size: 1.2em;">California Institution for Men</p> | System Number <p style="text-align: center; font-size: 1.2em;">3610850</p> |
| Sampling Period <p style="text-align: center; font-size: 1.2em;">July</p> | Year <p style="text-align: center; font-size: 1.2em;">2013</p> |

| | Number Required | Number Collected | Number Total Coliform Positives | Number Fecal/ E.coli Positives |
|--|---|---------------------|------------------------------------|-----------------------------------|
| 1. Routine Samples (see note 1) | 16 | 16 | 2 | 0 |
| 2. Repeat Samples following Samples that are Total Coliform Positive and Fecal/E.coli <i>Negative</i> (see notes 5 and 6) | | 6 | 0 | 0 |
| 3. Repeat Samples following Routine Samples that are Total Coliform <i>Positive</i> and Fecal/E.coli Positive (see notes 5 and 6) | | 0 | 0 | 0 |
| 4. MCL Computation for Total Coliform Positive Samples | | | | |
| a. Totals (sum of columns) | | 22 | 2 | |
| b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100] = | 0 | % | | |
| c. Is system in compliance...with fecal/E. coli MCL? (see notes 2 and 3) | <input checked="" type="checkbox"/> Yes | | <input type="checkbox"/> No | |
| ...with monthly MCL? (see note 4) | <input checked="" type="checkbox"/> Yes | | <input type="checkbox"/> No | |
| 5. Source Samples Triggered by Routine Samples that are Total Coliform Positive (This applies only to systems subject to the Groundwater Rule - see notes 7 and 8) | | 3 | 0 | 0 |
| 6. Invalidated Samples (Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.) | | | | |
| 7. Summary Completed By: | | | | |

| | | |
|--|---|-------------------------|
| Signature  Gregory E. Torres SR. | Title Water & Sewage Treatment Plt. Supvr | Date 8/6/2013 |
|--|---|-------------------------|

NOTES AND INSTRUCTIONS:

1. Routine samples include:
 - a. Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422.
 - b. Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month;
 - c. Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;
2. Note: For a repeat sample following a total coliform positive sample, any fecal/*E.coli* positive repeat (boxed entry) constitutes an MCL violation and requires immediate notification to the Department (22, CCR, Section 64426.1).
3. Note: For repeat sample following a fecal/*E.coli* positive sample, any total coliform positive repeat (boxed entry) constitutes an MCL violation and requires immediate notification to the Department (22, CCR, Section 64426.1).
4. Total coliform MCL (Notify Department within 24 hours of MCL violation):
 - a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
 - b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.
5. Positive results and their associated repeat samples are to be tracked on the Coliform Monitoring Worksheet.
6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
7. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E.coli*, enterococci, or coliphage positive triggered sample (boxed entry) requires immediate notification to the Department, Tier 1 public notification, and corrective action.

COLIFORM MONITORING WORKSHEET

(COMPLETED FOR POSITIVE ROUTINE SAMPLES, ALL REPEAT SAMPLES, AND ALL TRIGGERED SOURCE SAMPLES)

Report Month July Year 2013

| Routine Samples ⁹ | | | Repeat Samples ⁶ | | | | Triggered Source Samples ⁸ | | | | |
|------------------------------|--------------------|-----------------------------|-----------------------------|--------------------------------------|----------------------------------|--------------|---------------------------------------|--------------------|-------------------------------|--------------------------|----------------------------------|
| TC+ Sample Date | TC+ Sample Site ID | ¹² EC/FC Results | Repeat Collection Date | Repeat Sample Site IDs ¹⁰ | Coliform Results (Check one box) | | | Source Sample Date | Groundwater Source(s) Sampled | ¹² TC Results | ^{11,12} E. coli Results |
| | | | | | TC- | TC+BT/FC/EC- | TC+AND FC/EC+ | | | | |
| 7/10/2013 | 3610850-CIM III | 30 | 7/15/2013 | 3610850-CIM III | X | | | | | (+ / -) | (+ / -) |
| | | | 7/15/2013 | 3610850-CIM III-A | X | | | | | (+ / -) | (+ / -) |
| | | | 7/12/2013 | 3610850-CIM III-B | X | | | | | (+ / -) | (+ / -) |
| 7/10/2013 | 3610850-RCC | 30 | 7/15/2013 | 3610850-RCC | X | | | | | (+ / -) | (+ / -) |
| | | | 7/15/2013 | 3610850-RCC-A | X | | | | | (+ / -) | (+ / -) |
| | | | 7/15/2013 | 3610850-RCC-B | X | | | | | (+ / -) | (+ / -) |
| | | | | | | | | 7/15/2013 | Well 1A 3610850-002 | (+ / -) | (+ / -) |
| | | | | | | | | 7/15/2013 | Well 14 3610850-007 | (+ / -) | (+ / -) |
| | | | | | | | | 7/15/2013 | Well 16 3610850-013 | (+ / -) | (+ / -) |
| | | (- / -) | | 1 | | | | | | (+ / -) | (+ / -) |
| | | (- / -) | | 2 | | | | | | (+ / -) | (+ / -) |
| | | (- / -) | | 3 | | | | | | (+ / -) | (+ / -) |
| | | (- / -) | | 4 | | | | | | (+ / -) | (+ / -) |
| | | (- / -) | | 1 | | | | | | (+ / -) | (+ / -) |
| | | (- / -) | | 2 | | | | | | (+ / -) | (+ / -) |
| | | (- / -) | | 3 | | | | | | (+ / -) | (+ / -) |
| | | (- / -) | | 4 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 1 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 2 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 3 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 4 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 1 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 2 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 3 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 4 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 1 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 2 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 3 | | | | | | (+ / -) | (+ / -) |
| | | (+ / -) | | 4 | | | | | | (+ / -) | (+ / -) |

Comments: See attached Time Line of Events. First group of repeat samples collected exceeded holding time and notified CDPH. Note Total Coliform samples not collected during the first week of July due to miscommunication with contract Laboratory service. See attached.

NOTES AND INSTRUCTIONS:

8. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E. coli*, enterococci, or coliphage positive triggered sample (boxed entry) requires immediate notification to the Department, Tier 1 public notification, and corrective action.
9. Also include any data for positive samples that occurred in the previous month that led to repeat monitoring occurring in the reporting month. Include location and indicate if the routine sample was either positive or negative for *E. coli* or Fecal Coliforms.
10. For systems serving ≤ 1000 persons that collect one or fewer routine samples per month, a triggered source water sample may be used as the fourth repeat, as noted in an approved plan, if *E. coli* was the indicator used. Show result in GW source column too.
11. The Department recommends using *E. coli* (see note 8). If enterococci or coliphage is used, note which in the comment box below.
12. Circle the appropriate result.

Excelchem Environmental Labs

California State Prison: CA Institution for Men
14901 South Central Ave.
Chino, CA 91710

Project: Drinking Water Weekly
Project Number: [none]
Project Manager: Lawrence Dimock

Date Reported:
07/16/13 08:09

**FAC C 3610850-CIM III
1307156-01 (Drinking Water)**

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|---------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Present | 1 | 1 | 100mls | AWG0108 | 07/10/13 | 07/11/13 | SM9223 | |
| E. Coli (P/A) | Absent | 1 | 1 | " | " | " | " | " | |

Excelchem Environmental Lab.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Laboratory Representative

Excelchem Environmental Labs

| | | |
|--|--|----------------------------------|
| California State Prison: CA Institution for Men 14901 South Central Ave. Chino, CA 91710 | Project: Drinking Water Weekly Project Number: [none] Project Manager: Lawrence Dimock | Date Reported: 07/16/13 08:09 |
|--|--|----------------------------------|

**FAC B 3610850-CIM RCC
1307156-03 (Drinking Water)**

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|---------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Present | 1 | 1 | 100mls | AWG0108 | 07/10/13 | 07/11/13 | SM9223 | |
| E. Coli (P/A) | Absent | 1 | 1 | " | " | " | " | " | |

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

| | | |
|--|---|----------------------------------|
| California State Prison: CA Institution for Men 14901 South Central Ave. Chino, CA 91710 | Project: Routine Re-Samples Project Number: [none] Project Manager: Lawrence Dimock | Date Reported: 07/23/13 08:41 |
|--|---|----------------------------------|

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------------------------|---------------|----------------|----------------|----------------|
| Fac 'C' 3610850-CIM III | 1307199-01 | Drinking Water | 07/12/13 13:35 | 07/15/13 12:45 |
| Fac 'C' 3610850-III Upstream | 1307199-02 | Drinking Water | 07/12/13 13:35 | 07/15/13 12:45 |
| Fac 'C' 3610850-III Downstream | 1307199-03 | Drinking Water | 07/12/13 13:35 | 07/15/13 12:45 |
| Fac 'B' 3610850-CIM II | 1307199-04 | Drinking Water | 07/12/13 12:30 | 07/15/13 12:45 |
| Fac 'B' 3610850-CIM II Upstream | 1307199-05 | Drinking Water | 07/12/13 12:30 | 07/15/13 12:45 |
| Fac 'B' 3610850-CIM II Downstream | 1307199-06 | Drinking Water | 07/12/13 12:20 | 07/15/13 12:45 |

Holding hour exceeded.

RECEIVED
AUG 13 2013
Drinking Water Program
San Bernardino District

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

California State Prison: CA Institution for Men
14901 South Central Ave.
Chino, CA 91710

Project: Routine Re-Samples
Project Number: [none]
Project Manager: Lawrence Dimock

Date Reported:
07/23/13 08:57

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------------------------|---------------|----------------|----------------|----------------|
| Fac 'C' 3610580-III Downstream | 1307204-01 | Drinking Water | 07/15/13 13:45 | 07/16/13 13:00 |
| Fac 'C' 3610580-III Upstream | 1307204-02 | Drinking Water | 07/15/13 14:00 | 07/16/13 13:00 |
| Fac 'C' 3610580-III | 1307204-03 | Drinking Water | 07/15/13 14:00 | 07/16/13 13:00 |
| Fac 'B' 3610580-CIM II | 1307204-04 | Drinking Water | 07/15/13 14:30 | 07/16/13 13:00 |
| Fac 'B' 3610580-CIM II Downstream | 1307204-05 | Drinking Water | 07/15/13 14:30 | 07/16/13 13:00 |
| Fac 'B' 3610580-CIM II Upstream | 1307204-06 | Drinking Water | 07/15/13 14:30 | 07/16/13 13:00 |

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

California State Prison: CA Institution for Men
14901 South Central Ave.
Chino, CA 91710

Project: Routine Re-Samples
Project Number: [none]
Project Manager: Lawrence Dimock

Date Reported:
07/23/13 08:57

**Fac 'C' 3610580-III Downstream
1307204-01 (Drinking Water)**

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100mls | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

| | | |
|--|---|----------------------------------|
| California State Prison: CA Institution for Men 14901 South Central Ave. Chino, CA 91710 | Project: Routine Re-Samples Project Number: [none] Project Manager: Lawrence Dimock | Date Reported: 07/23/13 08:57 |
|--|---|----------------------------------|

**Fac 'C' 3610580-III Upstream
1307204-02 (Drinking Water)**

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100mls | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

| | | |
|--|---|----------------------------------|
| California State Prison: CA Institution for Men 14901 South Central Ave. Chino, CA 91710 | Project: Routine Re-Samples Project Number: [none] Project Manager: Lawrence Dimock | Date Reported: 07/23/13 08:57 |
|--|---|----------------------------------|

**Fac 'C' 3610580-III
1307204-03 (Drinking Water)**

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100mls | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

| | | |
|--|---|----------------------------------|
| California State Prison: CA Institution for Men 14901 South Central Ave. Chino, CA 91710 | Project: Routine Re-Samples Project Number: [none] Project Manager: Lawrence Dimock | Date Reported: 07/23/13 08:57 |
|--|---|----------------------------------|

**Fac 'B' 3610580-CIM II
1307204-04 (Drinking Water)**

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100mls | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Laboratory Representative

Excelchem Environmental Labs

California State Prison: CA Institution for Men
14901 South Central Ave.
Chino, CA 91710

Project: Routine Re-Samples
Project Number: [none]
Project Manager: Lawrence Dimock

Date Reported:
07/23/13 08:57

**Fac 'B' 3610580-CIM II Downstream
1307204-05 (Drinking Water)**

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100mls | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

California State Prison; CA Institution for Men
14901 South Central Ave.
Chino, CA 91710

Project: Routine Re-Samples
Project Number: [none]
Project Manager: Lawrence Dimock

Date Reported:
07/23/13 08:57

**Fac 'B' 3610580-CIM II Upstream
1307204-06 (Drinking Water)**

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|-------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100ms | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|-------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.

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Laboratory Representative

Excelchem Environmental Labs

| | | |
|--|---|----------------------------------|
| California State Prison: CA Institution for Men 14901 South Central Ave. Chino, CA 91710 | Project: Source Monthly Project Number: [none] Project Manager: Lawrence Dimock | Date Reported: 07/23/13 09:03 |
|--|---|----------------------------------|

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|----------------------|---------------|--------------|----------------|----------------|
| Well #1A 3610850-002 | 1307205-01 | Ground Water | 07/15/13 14:20 | 07/16/13 13:00 |
| Well #14 3610850-007 | 1307205-02 | Ground Water | 07/15/13 14:25 | 07/16/13 13:00 |
| Well #16 3610850-013 | 1307205-03 | Ground Water | 07/15/13 14:15 | 07/16/13 13:00 |

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

California State Prison: CA Institution for Men
14901 South Central Ave.
Chino, CA 91710

Project: Source Monthly
Project Number: [none]
Project Manager: Lawrence Dimock

Date Reported:
07/23/13 09:03

Well #1A 3610850-002
1307205-01 (Ground Water)

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100mls | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

California State Prison: CA Institution for Men
14901 South Central Ave.
Chino, CA 91710

Project: Source Monthly
Project Number: [none]
Project Manager: Lawrence Dimock

Date Reported:
07/23/13 09:03

Well #14 3610850-007
1307205-02 (Ground Water)

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100mls | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.



Laboratory Representative

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Excelchem Environmental Labs

California State Prison: CA Institution for Men
14901 South Central Ave.
Chino, CA 91710

Project: Source Monthly
Project Number: [none]
Project Manager: Lawrence Dimock

Date Reported:
07/23/13 09:03

Well #16 3610850-013
1307205-03 (Ground Water)

| Analyte | Result | Reporting Limit | MDL | Units | Batch | Date Prepared | Date Analyzed | Method | Notes |
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|
|---------|--------|-----------------|-----|-------|-------|---------------|---------------|--------|-------|

Microbiology

| | | | | | | | | | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|
| Total Coliform (P/A) | Absent | 1 | 1 | 100mls | AWG0197 | 07/16/13 | 07/17/13 | SM9223 | |
|----------------------|--------|---|---|--------|---------|----------|----------|--------|--|

Excelchem Environmental Lab.



Laboratory Representative

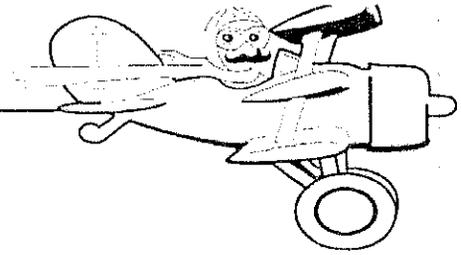
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Attachment No. 2

Emergency Water Restriction Bulletin posted by CIM

California Institution for Men

Instant Bulletin



I.B. No.:13-44

Date: July 5, 2013

SUBJECT: EMERGENCY WATER RESTRICTIONS

The low water levels at the California Institution for Men (CIM) Water Treatment Plant are requiring that CIM enforce emergency water restrictions, until further notice.

The following water restrictions are **EFFECTIVE IMMEDIATELY**:

- Showers: Staff are to follow the CIM Heat Plan. All other showering activity is to be restricted.
- No Irrigation: This includes no watering of grass, flower beds, or baseball fields, etc.
- No washing of vehicles.
- No laundering of clothes.

Additionally, the following areas will be affected:

- PIA Laundry
- PIA Juice Factory
- Camp Prado
- California Institution for Women
- Inmate Ward Labor

Drinking fountains and toilet facilities will not be affected and can be utilized.

Food services will continue with normal operations and feeding will not be impacted.

For additional information, please contact Robert Nobles Jr., Correctional Plant Manager II, at extension 7032.

B. M. CASH
Warden (A)
California Institution for Men

Attachment No. 3

Completed Directives submitted by CIM

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.

California Institution for Men, Has Levels of Coliform Bacteria Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we did to correct this situation.

We routinely monitor for drinking water contaminants. During July 2013.

We took Twenty-two (22) samples to test for the presence of Total Coli form Bacteria.

Two (2) of our samples showed the presence of Total Coli form bacteria.

The standard is that no more than one (1) sample per month may do so.

What should I do?

- **You do not need to boil your water or take other corrective actions.**
- This is not an emergency. If it had been, you would have been notified immediately. Total coliform bacteria are generally not harmful themselves. *Coliforms are bacteria which are naturally present in the environment and are used as an indicator that other, potentially-harmful, bacteria may be present. Coliforms were found in more samples than allowed and this was a warning of potential problems.*
- Usually, coliforms are a sign that there could be a problem with the system's treatment or distribution system (pipes). Whenever we detect coliform bacteria in any sample, we do follow-up testing to see if other bacteria of greater concern, such as fecal coliform or *E. coli*, are present. **We did not find any of these bacteria in our subsequent testing, and further testing shows that this problem has been resolved.**
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from U.S. EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of this water, you

may wish to consult your doctor.

What happened? What was done?

July 10, 2013 Routine Drinking Water samples were taken.

July 11, 2013 Drinking water samples obtained from:

Facility "B" & Facility "C"

Were reported Present for Total coliform Negative for *Escherichia coli*(*E. coli* Bacteria).

July 12, 2013 Three (3) additional samples at Facility "B"

July 12, 2013 Three (3) additional samples at Facility "C"

July 12, 2013 Six (6) were taken and sent for analysis.

July 15, 2013 Samples taken July 12, 2013 were reported beyond "48 hour Hold time".

July 15, 2013 Three (3) additional samples at Facility "B"

July 15, 2013 Three (3) additional samples at Facility "C"

July 15, 2013 Six (6) were taken and sent for analysis.

July 18, 2013 All repeat Samples taken July 15, 2013 were reported:

Absent for Total coliform and Negative for *Escherichia coli* (*E. coli* Bacteria).

For more information, please contact:

Robert Nobles, Jr. Correctional Plant Manager II at 909-597-1821 Ext.7032

Or California Institution for Men, PO Box 128, Chino Ca 91710.

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 California Institution for Men.

State Water System ID#: _CA3610850. Date distributed: August 7, 2013

Drinking Water Notification to Consumers

PROOF OF NOTIFICATION

Name of Water System: California department of Corrections CIM

Please explain what caused the problem if you have determined what it was and what steps you have taken to correct it.

July 10, 2013 Routine Drinking Water samples were taken.

July 11, 2013 Drinking water samples obtained from:

Facility "B" & Facility "C"

were reported Present for Total coliform Negative for *Escherichia coli*(*E. coli* Bacteria).

July 12, 2013 Three (3) additional samples at Facility "B"

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July 15, 2013 Three (3) additional samples at Facility "C"

July 15, 2013 Six (6) were taken and sent for analysis.

July 18, 2013 All repeat Samples taken July 15, 2013 were reported:

Absent for Total coliform and Negative for *Escherichia coli* (*E. coli* Bacteria).

Consumers Notified XX Yes _____ No

If not, Explain: _____

Date of Notification: August 7, 2013

On the date of notification set forth above, I served the above referenced document(s) on the consumers by:

_____ Sending a copy through the U.S. Mail, first class, postage prepaid, addressed to each of the resident(s) at the place where the property is situated, pursuant to the California Civil Code. Attach copy of Notice.

_____ Newspaper (if the problem has been corrected). Attach a copy of Notice.

XX Personally hand-delivering a copy to each of the consumers. Attach a copy of Notice.

Posted on a public bulletin board, that will be seen by each of the consumers (for small, non-community water systems with prior Department approval). Attach copy of Notice.

I hereby declare the forgoing to be true and correct under penalty of perjury.

Dated: August 8, 2013



Signature of Person Serving Notice

****Notice:** Complete this Proof of Notification and return it along with a copy of the notification to the Department within 10 days of receipt of giving public notice.

Disclosure: Be advised that the California Health and Safety Code states that any person who knowingly makes a 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 each separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by fine of not more than twenty-five thousand dollars (\$25,000) for each day of violation, or be imprisoned in county jail not to exceed one year or by both the fine and imprisonment.

POSITIVE TOTAL COLIFORM INVESTIGATION

This form is intended to assist public water systems in completing the investigation required by the California Department of Public Health (Section 64426(b) of Title 22, California Code of Regulations) and may be modified to take into account conditions unique to the system.

ADMINISTRATIVE INFORMATION

| | | | | | |
|--|--------------------------------|--|--|--|------------------|
| Entity Name: | Name | | System Address & Email | | Telephone Number |
| PWSID NUMBER: CIM 3610850 | California Institution for Men | | 14901 So. Central Ave Chino Ca. 91710 | | 909-606-7207 |
| System Type: Ground Water | Gregory Torres T3-23584 | | Gregory.Torres@cdcr.ca.gov | | 909-606-7207 |
| Operator in Responsible Charge (ORC) | Scott Sayle T2-32782 | | Scott.Sayle@cdcr.ca.gov | | 909-606-7207 |
| Person that collected TC samples if different than ORC | Brenda Cash Warden | | Brenda.Cash@cdcr.ca.gov | | 909-597-4350 |
| System Owner | Excelchem Environmental Labs | | FrontDesk@excelchem.net | | 916-543-4445 |
| Certified Laboratory for Microbiological Analyses | | | | | |
| Date Investigation Completed: | | | | | |
| Month(s) of Total Coliform MCL Failure: | July 2013 | | | | |

INVESTIGATION DETAILS

| SOURCE | WELL (name) | WELL (name) | WELL (name) | WELL (name) | COMMENTS (attach additional pages if needed) | |
|---|-------------------|-------------------|-------------------|-------------------|--|-------------------|
| 1. Inspect each well head for physical defects and report | No. 1 | No. 1A | No. 3A | No. 11A | No. 14 | No. 15 No. 16 |
| a. Is raw water sample tap upstream from point of disinfection? | Yes | Yes | Yes | Yes | Yes | Yes |
| b. Is wellhead vent pipe screened? | Yes | Yes | Yes | Yes | Yes | Yes |
| c. Is wellhead seal watertight? | Yes | Yes | Yes | Yes | Yes | Yes |
| d. Is well head located in pit or is any piping from the wellhead submerged? | No | No | No | No | Yes | Yes |
| e. Does the ground surface slope towards well head? | No | No | No | No | No | No |
| f. Is there evidence of standing water near the wellhead? | No | No | No | No | No | No |
| g. Are there any connections to the raw water piping that could be cross connections? (describe all connections in comments) | No | No | No | No | No | No |
| h. Is the wellhead secured to prevent unauthorized access? | Yes | Yes | Yes | Yes | Yes | Yes |
| i. To what treatment plant (name) does this well pump? | CIM I/X | CIM I/X |
| j. How often do you take a raw water total coliform (TC) test? | Monthly | Monthly | Monthly | Monthly | Monthly | Monthly |
| k. Provide the date and result of the last TC test at this location | 7/17/13 Absent | 7/17/13 Absent | 7/17/13 Absent | 7/17/13 Absent | 7/17/13 Absent | 7/17/13 Absent |
| 2. Inspect and review records for surface water source (if applicable) | NA | NA | NA | NA | NA | NA |
| a. Have there been any events in the watershed or near the intake that might have contributed to TC+ or EC+ results? (Describe) | | | | | | |

| TREATMENT | PLANT (NAME) | PLANT (NAME) | PLANT (NAME) | PLANT (NAME) | COMMENTS CIM I/X TP |
|--|--------------|--------------|--------------|--------------|---------------------|
| 1. If you provide continuous chlorination treatment was there any equipment failure? | No | | | | |
| a. Did the distribution system maintain chlorine residual? | Yes | | | | |
| b. Was emergency chlorination initiated? If yes, for how long? | No | | | | |
| c. Did the distribution system lose chlorine residual? | No | | | | |
| 2. If you do not provide routine chlorination, was emergency chlorination initiated? If Yes, when? | NA | | | | |
| 3. Inspect each point where disinfectant is added and report | Yes | | | | |

POSITIVE TOTAL COLIFORM INVESTIGATION

| TREATMENT | PLANT (NAME) | PLANT (NAME) | PLANT (NAME) | PLANT (NAME) | COMMENTS CIM /IX /TP |
|---|--------------------|--------------|--------------|--------------|---|
| a. Is the disinfectant feed pump feeding disinfectant? | Yes | | | | |
| b. What is the feed rate of disinfectant in ml/minute? | 10 TO 99 % | | | | Flow proportional system |
| c. What is the concentration of the disinfectant solution being fed? (percent or mg/l of chlorine as HOCl) | 1 ppm | | | | |
| d. By what method was the concentration of solution determined? (ex: measured, manufacturer's literature) | DPD | | | | |
| e. What is the age (days) of the disinfectant solution currently being used at this treatment location? | 1 to 30 Days | | | | 1,000 Gall./Month supply 1,000 Galls = 30Day supply. |
| f. What is the raw water flow rate at the point where disinfectant is added in gallons per minute? | 1,000 to 2,000 GPM | | | | |
| g. What is the total chlorine residual measured immediately downstream from the point of application? | 1.5 mg/L | | | | |
| h. What is the free chlorine residual measured immediately downstream from the point of application? | 1.0 mg/L | | | | |
| i. What is the contact time in minutes from the point of disinfectant application to the first customer? | 4 Hrs. | | | | |

SAMPLE SITE EVALUATION (Complete for all TCC+ or EC+ findings)

| 1. What is the height of the sample tap above grade? (inches) | Routine Site TCC+ or EC+ | Upstream Site | Downstream Site | Sample 4 (specify) |
|---|-----------------------------|------------------|------------------|-----------------------|
| 2. Is the sample tap located in an exterior location or is it protected by an enclosure? | 33-Inches | 33-Inches | 33-Inches | 33-Inches |
| 3. Is the sample tap threaded, have a swing arm (kitchen sink) or an aerator (sinks)? | 10-Feet | 10-Feet | 10-Feet | 10-Feet |
| 4. Is the sample tap in good condition, free of leaks around the stem or packing? | No | No | No | No |
| 5. Can the sample tap be adjusted to the point where a good laminar flow can be achieved without excessive splash? | Yes | Yes | Yes | Yes |
| 6. Is the sample tap and areas around the sample tap clean and dry (free of animal droppings other contaminants or spray irrigation systems)? | Yes | Yes | Yes | Yes |
| 7. Is the area around the sample tap free of excessive vegetation or other impediments to sample collection? | Yes | Yes | Yes | Yes |
| 8. Describe how the tap was treated in preparation for sample collection (ran water, swabbed with disinfectant, flamed, etc.). | Flamed & Flushed | Flamed & Flushed | Flamed & Flushed | Flamed & Flushed |
| 9. Is this sample tap designated on the sampling plan submitted with this information request? | Yes | Yes | Yes | Yes |
| 10. What were the weather conditions at the time of the positive sample (rainy, windy, and sunny)? | Sunny | Sunny | Sunny | Sunny |

POSITIVE TOTAL COLIFORM INVESTIGATION

| STORAGE | TANK (name) | TANK (name) | TANK (name) | TANK (name) | COMMENTS |
|--|-------------------------|-------------|-------------|-------------|---------------|
| 1. Is each tank locked to prevent unauthorized access? | Yes | | | | |
| 2. Are all vents of each tank screened down-turned to prevent dust and dirt from entering the tank? | Yes | | | | |
| 3. Is the overflow on each tank screened? | Yes | | | | |
| 4. Are there any unsealed openings in the tank such as access doors, water level indicators hatches, etc.? | No | | | | |
| 5. Is the roof/cover of the tank sealed and free of any leaks? | Yes | | | | |
| 6. Is the tank above ground or buried? | Yes | | | | |
| a. If buried or partially buried, are there provisions to direct surface water away from the site. | Yes | | | | |
| b. Has the interior of the tank been inspected to identify any sanitary defects, such as root intrusion? | Yes | | | | |
| 8. Does the tank "float" on the distribution system or are there separate inlet and outlet lines? | Separate Inlet & Outlet | | | | |
| 9. What is the measured chlorine residual (total/free) of the water exiting the storage tank today? | 0.3 mg/L | | | | |
| 10. What is the volume of the storage tank in gallons? | 3 MG | | | | |
| 11. Is the tank baffled? | | | | | |
| 12. Prior to the TC+ or EC+, what was the previous date item #1-7 were checked and documented? | 7/9/13 | | | | Checked Daily |

| DISTRIBUTION SYSTEM | SYSTEM RESPONSES | | | |
|---|------------------|--------------------------|---------|--|
| 1. What is the minimum pressure you are maintaining in the distribution system? | 60 psi | | | |
| 2. Did pressure in the distribution system drop to less than 5 psi prior to positive bacteri? | No | | | |
| 3. Has the distribution system been worked on within the last week? (laps, hydrant flushing, main breaks, mainline extensions, etc.) If yes, provide details. | No | | | |
| 4. Are there any signs of excavations near your distribution system not under the direct control of your maintenance staff? | No | | | |
| 5. Did you inspect your distribution system to check for mainline leaks? Do you or did you have a mainline leak? | No | | | |
| 6. If there was a mainline leak, when was it repaired? | NA | | | |
| 7. On what date was the distribution system last flushed? | June 2013 | Fire Crew Flush Hydrants | Monthly | |
| 8. Is there a written flushing procedure you can provide for our review? | No | | | |
| 9. Do you have an active cross-connection control program? | No | | | |
| 10. What is name & phone number of your Cross-Connection Control Program Coordinator? | None | | | |
| 11. Is the review and testing of backflow prevention devices current? | No | | | |
| 12. On what date was the last physical survey of the system done to identify cross-connections? | None | | | |

POSITIVE TOTAL COLIFORM INVESTIGATION

| BOOSTER STATION | |
|---|-----------------------------|
| 1. Do you have a booster pump? How many? | Response Yes, Five Pumps |
| 2. Do you have a standby booster pump if the main pump fails? | Yes, One Standby |
| 3. Prior to bacteriological quality problems, did your booster pump fail? | No |
| 4. Do you notice standing water, leakage at the booster station? | No |

| GENERAL OPERATIONS: | |
|---|--|
| 1. Where there any power outages that affected water system facilities during the 30 days prior to the TC+ or EC + findings? | Response No |
| 2. Where there any main breaks, water outages, or low pressure reported in the service area where TC+ or EC+ samples were located. | Yes, CIM Emergency Water Restrictions July 5 through July 8, 2013. Low system pressure reported at Facility B, on July 7, 2013. |
| 3. Does the system have backup power or elevated storage? | Elevated Storage supplied with diesel driven pump |
| 4. During or soon after bacteriological quality problems, did you receive any complaints of any customers' illness suspected of being waterborne? How many? | No |
| 5. What were the symptoms of illness if you received complaints about customers being sick? | NA |

ADDITIONAL INFORMATION TO BE SUBMITTED WITH RESPONSES TO THE ABOVE QUESTIONS

1. Sketch of System showing all sources, treatment locations, storage tanks, microbiological sampling sites and general layout of the distribution system including the location of all hazardous connections such as the wastewater treatment facility. On file
2. A set of photographs of the well, pressure tanks, and storage tanks in the system may be submitted if they would show that the contamination is directly related and changes have been made since the last inspection by our Department in April 2013. Photos on file.
3. Name, certification level and certificate number of the Operator in Responsible Charge. Gregory Torres Sr. T-3, 23584
4. Copy of the last cross connection survey performed that identifies the location of all unprotected cross connections. No record on file.
5. Updated source water assessment(s) (DWSAP) if there have been changes to well construction or potentially contaminating activities (PCA list) since last inspection. Source assessments review by your Department April 2013, on file.

SUMMARY: BASED ON THE RESULTS OF YOUR INVESTIGATION AND ANY OTHER INFORMATION AT YOUR DISPOSAL, WHAT DO YOU BELIEVE TO BE THE CAUSE OF THE POSITIVE TOTAL COLIFORM SAMPLES FROM YOUR PUBLIC WATER SYSTEM?

Possibly sampling behind loss of pressure event that occurred on July 7, 2013 at Facility B, Lack of system flushing after reported pressure loss. It was reported to Water Treatment Supervisors that on July 7, 2013 a water loss of approximately 217,000 MG

Through running toilets at Facility B. Prior to this finding CIM was placed on Emergency Water Restrictions for unaccountable loss of water.

CERTIFICATION: I CERTIFY THAT THE INFORMATION SUBMITTED IN RESPONSE TO THE QUESTIONS ABOVE IS ACCURATE TO THE BEST OF MY PROFESSIONAL KNOWLEDGE

POSITIVE TOTAL COLIFORM INVESTIGATION

Page 5 of 5

NAME: Lawrence F. Dimock

DATE: 8/13/13

TITLE: Chief Plant Operator

Document1

Time Line for not collecting Total Coliform samples July 2013

Listed below is the Time Line of events occurring at the California Institution for Men (CIM) leading to not collecting required Total Coliform samples during the first week of July 2013.

July 1, 2012 Excelchem picked up routine Monday potable water samples at the CIM Water Treatment Plant. Field tech gave notice to Water Treatment Supervisor that the Monday pickup would be the last pickup by their lab. Excelchem Environmental Labs contract with the Department of Corrections and Rehabilitation was to expire 7/1/13. Truesdail Lab was to take over contract on 7/8/13. Official notification had not been clarified. CIM Chief Engineer Morales instructed Water Plant Operators to wait for instructions as to what lab will provide contracted services.

July 3, 2013 First Watch Water Treatment Supervisor who normally preps water sampling containers for Second Watch collection, not instructed as to what lab will be collecting samples. No containers prepped. (See attached copy of 7/3/13 1st Watch log book entry).

July 3, 2013 Second Watch Water Treatment Supervisor reported that without instructions from Chief Engineer, did not collect Weekly Total Coliform samples. (See attached copy of 7/3/13 2nd Watch log book entry). Excellchem lab on site for Weekly potable water sample pick up was turned away without any samples.

July 5, 2013 First Watch Water Treatment Plant Supervisor instructed Second Watch Water Treatment Plant Operator at shift change, to call Excellchem lab to verify contract status and the following weeks sampling requirements.

July 8, 2013 Water Treatment Operators instructed by Chief Engineer to continue to utilize Excellchem lab throughout the month of July 2013. And a letter is being processed for continuation of laboratory services.

July 12, 2013 Water Treatment Operators provided with copies of two letters the first dated July 2, 2013 verifying that CIM is to continue services with Excellchem until July 31, 2013. The second dated July 10, 2013 stating that Truesdail Lab is to assume laboratory contract service July 8, 2013. Water Treatment Operators was then instructed by the Chief Engineer that they were not to use Truesdail lab until August 1, 2013. (See attached copy of 7/12/13 2nd Watch log book entry).

August 6, 2013 CIM Water Treatment supervisor notified the Department of Health Services Office of Clean Drinking Water of not sampling for Total Coliform during the first week of July 2013.

August 7, 2013 CIM received Monitoring and Reporting Violation for not collecting Total Coliform samples during the first week of July 2013.

Total Coliform Rule MCL Violation Time Line

Listed below is the Time Line of events occurring at California Institution for Men (CIM) leading to, during, and after Total Coliform Rule Maximum Contaminant Level (MCL) Violation in July 2013.

July 10, 2013 Routine Drinking Water Total Coliform samples collected.

July 11, 2013 Total Coliform samples collected from: Facility B & C reported by Excelchem Environmental Lab Present for Total Coliform and Negative for E-coli bacteria, via phone call to CIM Water Treatment Plant. CIM Water Treatment Plant shift supervisor reported Total Coliform Present results to California Department of Public Health office of Clean Drinking Water (CDPH-DDWEM).

July 12, 2013 Total Coliform resample's collected at Facilities B & C, three samples taken at each Facility from Normal, Upstream and Downstream sample sites. Triggered Source Samples taken from on line Potable Wells. All samples shipped to Excelchem Lab in Sacramento California by UPS.

July 15, 2013 Excelchem Lab reported that Total Coliform samples collected on July 12, 2013 had exceeded 48 hour holding time. CIM Water Treatment Plant shift supervisor reported Total Coliform holding time exceedence to CDPH-DDWEM.

July 15, 2013 a second round of Total Coliform resample's collected from all required locations at Facilities B & C. A second round of Total Coliform Triggered Source samples were collected at Potable Well sites. All resample's shipped by UPS to Excelchem Lab.

July 18, 2013 All repeat samples taken on July 15, 2013 reported by Excelchem Lab to be Absent for Total Coliform and Negative for E-coli bacteria via phone call to CIM Water Treatment Plant.

August 7, 2013 CIM received Notice of Citation for the month of July 2013 from CDPH-DDWEM. Total Coliform Rule MCL violation requiring Tier 2 Public Notifications be posted at effected Facilities.

August 7, 2013 CIM Water Treatment Supervisors posted required Tier 2 Public Notifications at Facilities B & C.

August 8, 2013 Drinking Water Notification to Consumers Proof of Notification form sent out to CDPH-DDWEM.