

# Summary

## Alternative Compliance Plan for Water Right (S005273)

You completed the survey on 06/30/2017 08:00:32

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### INTRODUCTION

See [Information and Instruction Sheet](#) for assistance in completing this form. The form shall be completed by the water right owner, their agent, or for an Alternative Compliance Plan filed for a group, the designated contact. The vast majority of water right owners should be able to meet the measurement requirements. Participation in an Alternative Compliance Plan does not relieve the participant of the independent obligation to file an online annual Report of Water Diversion and Use.

All sections of the form below must be completed. An incomplete form does not excuse non-compliance with the regulation or release you from the obligation to measure. The Alternative Compliance Plan may not be used to avoid measurement and monitoring, but should be used to describe an alternative method of measurement and monitoring which will provide the information required by the Regulation. Estimated diversion records may not meet the Regulation's accuracy requirements without supporting documentation.

Note: The large text boxes in the form have a character limit of 2,000 characters. Responses requiring more than 2,000 characters for a particular text box should be submitted as an attachment in Section I of this form. Additional information should be attached in Section I.

### SECTION A - WATER RIGHT OWNER INFORMATION

This section of the form describes the information that is required for each water right or claimed right covered under the Alternative Compliance Plan.

In Section I, attach a table (in Microsoft Excel .xlsx, comma-separated .csv, or tab-separated .txt format) containing the Application or Statement Number for each water right covered under the Alternative Compliance Plan. For your water right, answer the questions below.

(1) Owner Name(s) \*

(2) Email Address \*

(3) Phone Number \*

(4) Mailing Address Line 1 \*

(5) Mailing Address Line 2:

(6) City \*

(7) State \*

(8) Zip Code \*



(9) Is the Water Right Owner also the Primary Contact? \*  
 Yes  
 No



On questions 10 through 13, please tell us what you understand the requirements of the regulation to be for this water right to be.

(9) Installation Deadline \*  January 1, 2017

- July 1, 2017
- January 1, 2018

**(10) Measurement Accuracy \***

- 10%
- 15%
- Other, as specified in the Alternative Compliance Plan (if submitted)

**(11) Required Monitoring Frequency \***

- Hourly
- Daily
- Weekly
- Monthly

**(12) Qualifications of the Individual Installing/Certifying \***

- A California Licensed Professional Engineer (PE), a person working under the supervision of a California PE, a California-licensed contractor authorized by the State License Board for C- 57 well drilling or C- 61 Limited Specialty/D-21 Machinery and Pumps, or a Hydrologist or Engineer employed by a Federal Agency
- A person trained and experienced in water measurement (for diversions of less than 100 acre-feet per year - no specific training is required; the person using any equipment and reporting the information must know how to use the equipment and submit correct information)

## SECTION B - INFORMATION ON PRIMARY CONTACT

This section of the form includes the contact information for the primary contact associated with the Alternative Compliance Plan.

**(1) Name(s): \***

Lizbeth Calderon

**(2) Phone Number: \***

[REDACTED]

**(3) Email Address: \***

[REDACTED]

**(4) Mailing Address Line 1: \***

[REDACTED]

**(5) Mailing Address Line 2:**

[REDACTED]

**(6) City: \***

Los Angeles

**(7) State: \***

CA

**(8) Zip Code: \***

90012

**(8) The Alternative Compliance Plan Primary Contact is a(n): \***

- Water Right Owner
- Agent

Designated Contact

## SECTION C - INFORMATION ON QUALIFIED INDIVIDUAL

This section of the form includes the contact information for the Qualified Individual certifying the Alternative Compliance Plan.

(1) Name(s): \*

Eric Tillemans

(2) Phone Number: \*

[REDACTED]

(3) Email Address: \*

[REDACTED]

(4) Mailing Address Line 1: \*

[REDACTED]

(5) Mailing Address Line 2:

[REDACTED]

(6) City: \*

Bishop

(7) State: \*

CA

(8) Zip Code: \*

93514

(9) The qualifications of the individual certifying the Alternative Compliance Plan are: \*

- California Licensed Professional Engineer (PE)
- Person working under the supervision of a California Professional Engineer
- California-licensed contractor authorized by the State License Board for C- 57 well drilling or C-61 Limited Specialty/D-21 Machinery and Pumps
- Hydrologist or Engineer employed by a Federal Agency
- Person trained and experienced in water measurement (for diversions of less than 100 acre-feet per year - no specific training is required; the person using any equipment and reporting the information must know how to use the equipment and submit correct information)

(10) Qualifying Individual's PE or Contractor license number, if applicable:

C56197

## SECTION D - REQUEST FOR ALTERNATIVE COMPLIANCE

Water right holders who divert more than 10 acre-feet of water per year are required to measure the water they divert. A diverter may choose any measuring device, or combination of devices, that meet the measurement and monitoring requirements of the regulation. The measurement requirements are summarized on the [Reporting and Measurement Webpage](#) .

For each box checked in questions 1a through 3 below, submit a detailed explanation and attach substantiating documentation.

**(1a) Diverter is seeking alternative compliance from the requirement(s) checked below. \***

- Measuring Device Location
- Required Accuracy
- Certification of Accuracy
- Installation and Maintenance
- Monitoring Frequency
- Telemetry
- Other (describe in Section 1b)

**(1b) Provide additional information for each of the reasons selected in question 1a: \***

Monitoring Frequency: LADWP generally spreads water during very wet years in instances when there is insufficient capacity for the flow in the downstream creek or conveyance, generally once every 5 or 6 years, as an operational requirement of the Los Angeles Aqueduct. Considering the rarity of operation of these diversions and the remote location, full compliance with hourly monitoring frequency when the diversion is dry for years on end is not reasonable or practical considering the cost and potential environmental impacts required to bring spreading diversions into full compliance. Substitute Measure: Spreading diversions will be monitored daily when a diversion is activated. Existing diversion structures generally permit controlled flow rates for the duration of the spreading operation, and the daily data will be manually collected and recorded. Certification of accuracy: Spreading diversions are activated during very wet years in instances when there is insufficient capacity for the flow in the downstream creek or conveyances. In other circumstances, available water supplies are diverted into the Los Angeles Aqueduct and unavailable for spreading or associated field-testing for certification of accuracy. Substitute Measure: When a spreading diversion is activated, the accuracy of measurement method will initially be certified by field-testing and documented in a report filed with subsequent water diversion and use report.

(5000 character max.)



**(2a) Alternative compliance is being pursued because strict compliance with one or more of the requirements for measuring and monitoring (check all that apply): \***

- Is not feasible.
- Would unreasonably affect public trust resources.\*
- Is unreasonably expensive.\*\*
- Would result in the waste or unreasonable use of water.

\* Including fish, wildlife, recreation, navigation, and aesthetic values.

\*\* Plans claiming that strict compliance is unreasonably expensive shall be accompanied by an attached supporting cost analysis. The cost analysis should compare the cost of the proposed alternate measuring devices to the cost of the measurement devices required by the Regulation. All Plans shall include a budget and shall identify sources of financing. The budget should provide sufficient detail to show the cost of the proposed alternate measuring devices, the cost of obtaining any necessary permits, and the cost of installation.

**(2b) Provide additional information for each justification selected in question 2a: \***

Spreading diversions are generally remotely located in the vicinity (or within the limits) of Inyo National Forest, US Bureau of Land Management held land, or federally designated wilderness areas. Disturbances associated with the installation of a new measurement device and recorder, and potentially a new or improved access road would unreasonably affect public trust resources by damaging sensitive environmental areas, especially since no additional useful information would be gained by installing measurement devices and recorders that meet the regulations. Existing measurement device satisfies the basic measurement requirements, but does not meet monitoring frequency requirements. LADWP generally spreads water for groundwater recharge during very wet years in instances when there is insufficient capacity for the flow in the downstream creek or conveyances, generally once every 5 or 6 years, so continuous hourly monitoring will not provide additional useful information. Existing diversion structure allows for controlled flow rates during spreading operations, so daily flow calculated from daily staff gauges reads is accurate. Installation, maintenance and continuous hourly monitoring of a measurement device and recorder for a diversion facility that is not continuously operated is unreasonably expensive since little additional useful information will be gained by bringing these stations into full compliance. Furthermore, the equipment may be subject to damage from freezing conditions since spreading diversions are generally remotely located in areas of high elevation. The existing measurement device used by LADWP provides daily flow rates and requires very little maintenance. It is estimated that upgrading the existing measurement devices would cost over \$17,000 per device (see cost analysis; Attachment A)

(5000 character max.)



**(3a) Alternative compliance is requested under the following categories (check all that apply): \***

- Highly variable flow rate at point of diversion.
- Point of diversion is inaccessible a portion of the year due to weather or other on-site conditions.
- Point of diversion is under tidal influence
- There is an existing measuring device or measurement method in use.
- Water is corrosive to measurement equipment.
- The diversion is measured by another entity (identify entity and method of measurement used).
- Other (provide complete description in section 3b)

**(3b) Provide additional information for each of the categories selected in question 3a: \***

An existing measurement device is used to calculate flow volume. Generally, spreading diversions have a rectangular meter section installed as well as staff gauges to read depths. The flow is calculated by taking a staff gauge read each day and applying the read to a rating curve that has been calculated by manual current metering of the diversion ditch. Spreading diversions are manually operated so the duration is known, and flow is generally constant between reads, so calculated daily flow is accurate, but does not meet the monitoring frequency requirement of the emergency regulations. Spreading diversions for groundwater recharge are used during very wet years (and rarely during flash flooding events) when there is insufficient capacity for the flow in the downstream creek or conveyances, as an operational requirement of the Los Angeles Aqueduct. Existing diversion structures allow for controlled flow rates during spreading operations, which generally occur once every 5 or 6 years.

(5000 character max.)



**(4) Alternative Compliance Plans shall include alternative, objective measurement and performance standards that achieve the closest attainable compliance. Describe the measurement or alternative to measurement that will be used at each point of diversion in the plan to achieve closest attainable compliance. \***

An existing measurement device is used to calculate flow volume. The spreading diversions have a rectangular meter section installed as well as staff gauges to read depths. The flow is calculated by taking a staff gauge read each day and applying the read to a rating curve that has been calculated by manual current metering of the diversion ditch. Spreading diversions are manually operated so the duration is known, and flow is generally constant between reads, so calculated daily flow is accurate. When a spreading diversion is activated, daily stage levels will be manually measured and recorded, and used to calculate mean daily flow rate. Independent current metering will be conducted weekly to certify accuracy of daily measurements. Certification of accuracy will be submitted with subsequent water diversion and use report.

(5000 character max.)

## SECTION E - AREA COVERED BY THE ALTERNATIVE COMPLIANCE PLAN

**Summarize the following for each water right covered by the Alternative Compliance Plan. In Section I, attach maps, aerial photographs, or other renderings showing the area covered by the Alternative Compliance Plan and delineating the acreage of each place of use served. For the area covered by the Alternative Compliance Plan, include a list of assessor's parcel numbers and the current owner of each parcel.**

**(1) Provide a general description of the area covered by the Alternative Compliance Plan. \***

Independence, Inyo County

(5000 character max.)

**(2) Describe all diversion and conveyance works covered by the Alternative Compliance Plan. \***

Depicted on map, See Attachment B.

(5000 character max.)

**(3) Describe the type(s) of Beneficial Use(s). \***

Groundwater Recharge; Municipal

(5000 character max.)

**(4) Have you attached a list of assessor's parcel numbers and the current owner of each parcel covered by the Alternative Compliance Plan? (Attachments may be made under Section I of this form.) \***

Yes |  No

## SECTION F - MEASUREMENT AND MONITORING

**(1) For each Point of Diversion listed in the Alternative Compliance Plan, describe how the water is measured. \***

The flow is calculated by taking a staff gauge read of water stage each day and applying the read to a rating curve that has been calculated by manual current metering

(5000 character max.)

**(2) Identify the measurement accuracy associated with the measurement devices. \***

Accuracy is anticipated to satisfy 15 percent by volume requirement; measurement devices installed prior to January 1, 2016.

(5000 character max.)

**(3) Describe how the accuracy of the Alternative Compliance Plan was calculated. \***

Accuracy will be certified by field-testing once spreading diversion is activated

(5000 character max.)

## SECTION G - IMPLEMENTATION SCHEDULE (IF NECESSARY)

**(1) If applicable, describe the implementation schedule for the Alternative Compliance Plan, including objective milestones from date of filing through final implementation. Milestones should include date of completion for construction and testing, expected dates of issuance of required permits, and expected date for compliance with the California Environmental Quality Act:**

Not applicable; Existing measurement devices installed prior to January 1, 2016.

(5000 character max.)

**An Alternative Compliance Plan shall be submitted and implemented by the established regulatory deadlines (see form instructions for additional information) unless a Request for Additional Time has been granted.**

## SECTION H - OTHER PERMITS

**(1) Describe any other permits required to implement the Alternative Compliance Plan. Include information on the agency that will issue the permit, and the expected date of issuance.**

Not applicable; Existing measurement devices installed prior to January 1, 2016.

(5000 character max.)

## SECTION I - ATTACHMENTS



**(1) Attach documents that support the Alternative Compliance Plan.**

Choose File No file selected

...

Upload

(Uploaded files:)

[AttachmentB-Map-Georges\(4439&42-5272&73\)-Hogback\(5274\).pdf](#)  
[Attachment\\_A-Cost\\_Analysis.pdf](#)

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**(2) Provide a brief description of the attached documents.**

Attachment A - Cost Analysis; Attachment B - Map

(5000 character max.)

## SECTION J - IMPORTANT INFORMATION AND SIGNATURES

Each participant in an Alternative Compliance Plan (Plan) must sign this form or an “opt-in” form that must be retained by the Plan manager. Attach a listing of participants, as needed, in Microsoft Excel .xlsx, comma-separated .csv, or tab-separated .txt format. By signing this form or the Plan’s “opt-in” form, each Plan participant acknowledges that the Plan will be timely implemented and that the measurement of diversions will substantially comply with the Measurement Regulation. Further, each Plan participant acknowledges that the water rights covered by the Plan will not be exercised outside the scope of the Plan. Each Plan participant is responsible for promptly informing the Division of Water Rights or Delta Watermaster, as appropriate, if the participant withdraws from the Plan. The Plan manager is responsible for promptly informing the Division of Water Rights or the Delta Watermaster, as appropriate, if the Plan is modified or abandoned or if the Implementation Schedule is adjusted.

**I hereby certify that the information in this Alternative Compliance Plan is true to the best of my knowledge and belief and that the Alternative Compliance Plan is in compliance with the requirements of Title 23, Division 3, Chapter 2.8, Section 931 through 938 of the California Code of Regulations. \***

Yes |  No

**Printed Name \***

Lizbeth Calderon

Division of Water Rights and Delta Watermaster staff may or may not evaluate the contents of an Alternative Compliance Plan at the time of receipt. Staff will initially determine if all the information has been filled out, and accept the Alternative Compliance Plan as complete or return it as incomplete. An Alternative Compliance Plan may be reviewed for compliance purposes at any time or as part of a systematic audit.