

Summary

Alternative Compliance Plan for Water Right (A013207)

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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 less than 100 acre-feet per year)

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): *

Seth Hammack, Ranch M

(2) Phone Number: *

[REDACTED]

(3) Email Address: *

[REDACTED]

(4) Mailing Address Line 1: *

[REDACTED]

(5) Mailing Address Line 2:

(6) City: *

Lookout

(7) State: *

CA

(8) Zip Code: *

96054

(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): *	<input type="text" value="Susan Goodwin"/>
(2) Phone Number: *	<input type="text" value="REDACTED"/>
(3) Email Address: *	<input type="text" value="REDACTED"/>
(4) Mailing Address Line 1: *	<input type="text" value="REDACTED"/>
(5) Mailing Address Line 2:	<input type="text"/>
(6) City: *	<input type="text" value="Redding"/>
(7) State: *	<input type="text" value="CA"/>
(8) Zip Code: *	<input type="text" value="96002"/>
(9) The qualifications of the individual certifying the Alternative Compliance Plan are: *	<p><input checked="" type="radio"/> California Licensed Professional Engineer (PE)</p> <p><input type="radio"/> Person working under the supervision of a California Professional Engineer</p> <p><input type="radio"/> California-licensed contractor authorized by the State License Board for C- 57 well drilling or C-61 Limited Specialty/D-21 Machinery and Pumps</p> <p><input type="radio"/> Hydrologist or Engineer employed by a Federal Agency</p> <p><input type="radio"/> Person trained and experienced in water measurement (for diversions of less than 100 acre-feet per year)</p>
(10) Qualifying Individual's PE or Contractor license number, if applicable:	<input type="text" value="C61687"/>

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: *

Taylor Reservoir (application A013207) is included in Court Decree 6395 with a right to divert 1,500 acre-feet to storage between November 1 and March 31 each year. The spillway maintains the maximum volume of the reservoir at 1,500 acre-feet or less. The spillway height was originally designed at height of 128 feet, equivalent to 1,575 acre-feet of storage. The spillway has since eroded to approximately 127 feet or lower, equivalent to the allotted 1,500 acre-feet of storage allowed by decree. Because the spillway maintains the reservoir at 1,500 acre-feet or less, hourly monitoring is not necessary to document that no more than 1,500 acre-feet is stored during the time period allotted by the decree. A Request for Additional Time to comply with SB 88 requirements and to develop this Alternative Compliance Plan was filed on June 7, 2017. The installation deadline for SB 88 required equipment with hourly monitoring was January 1, 2017 based on diversion to storage of over 1,000 acre-feet. The site is remote and accessible only by ATV. The dam is at an elevation of approximately 4,100 feet and inaccessible during portions of the diversion season due to snow. No cellular reception is available at the site. Electricity is not available at the site. Hourly monitoring is not feasible at the site. A staff gage will be installed at the dam to monitor water level, and hence diversion. Weather permitting, the gage level will be recorded weekly during the diversion period, or until the reservoir is full (typically in December).

(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: *

The spillway maintains the reservoir volume at 1,500 acre-feet or less. Any excess water pours over the spillway into Wetlands Reserve Program land and Taylor Creek. The site is remote and accessible only by ATV. The dam is at an elevation of approximately 4,100 feet and inaccessible during portions of the diversion season due to snow. No cellular reception is available at the site. Electricity is not available at the site. Weather permitting, the gage level will be recorded weekly during the diversion period, or until the reservoir is full (typically in December).

(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: *

The spillway maintains the reservoir volume at 1,500 acre-feet or less. Any excess water pours over the spillway into Wetlands Reserve Program land and Taylor Creek. The site is remote and accessible only by ATV. The dam is at an elevation of approximately 4,100 feet and inaccessible during portions of the diversion season due to snow. No cellular reception is available at the site. Electricity is not available at the site. Weather permitting, the gage level will be recorded weekly during the diversion period, or until the reservoir is full (typically in December).

(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. *

The existing spillway maintains the reservoir at or below the 1,500 acre-feet of water allotted by Court Decree 6395. A staff gage will be installed for measuring water level in the reservoir. The staff gage will be used to record water levels in the reservoir. The volume of stored water will be calculated using the capacity curve for the dam and the regression equation included in Section I. Court Decree 6395 allows diversion to storage at Taylor Reservoir from November 1 through March 31. Weather permitting, the gage level will be recorded weekly during the diversion period, or until the reservoir is full (typically in December).

(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. *

Taylor Creek is diverted into Taylor Reservoir for storage. The earthen dam is inspected yearly by the Division of Dam Safety. The existing spillway maintains the reservoir level at or below the 1,500 acre-feet allowed by Court Decree 6395. Water passing over the spillway spreads onto Wetlands Reserve Program land and back into Taylor Creek.

(5000 character max.)

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

Taylor Reservoir is a 1,575 acre-foot design capacity reservoir. The earthen dam is inspected annually by the Division of Dam Safety. The existing spillway maintains the reservoir level at or below the 1,500 acre-feet allowed by Court Decree 6395. Water passing over the spillway spreads onto Wetlands Reserve Program land and back into Taylor Creek. The headworks is controlled by a screwgate valve used to release stored water into the Lookout Ranch irrigation ditches during dry months.

(5000 character max.)

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

Water is diverted to storage at Taylor Reservoir. Stored water is used for mixed-crop irrigation, stock watering, Wetlands Reserve Program lands, and wildlife enhancement on Lookout Ranch property.

(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 existing spillway maintains the reservoir at the 1,500 acre-feet or less. A staff gage will be installed for measuring water level in the reservoir. The staff gage will be used to record water levels in the reservoir. The volume of stored water will be calculated using the capacity curve for the dam and the regression equation included in Section I. Court Decree 6395 allows diversion to

storage at Taylor Reservoir from November 1 through March 31. Weather permitting, the gage level will be recorded weekly during the diversion period, or until the reservoir is full (typically in December).

(5000 character max.)

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

The gage will be read in vertical feet below the spillway, with the spillway at 0 vertical feet. The accuracy of the measurement is calculated to be within 5 percent of the storage volume at a gage reading of 15 vertical feet below the spillway (storage volume of approximately 612 acre-feet) and 8.2 percent of the storage volume at a gage reading of 20 vertical feet below the spillway (storage volume of approximately 336 acre-feet).

(5000 character max.)

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

The accuracy was calculated using the regression equation from the capacity curve included in Section I assuming that the field recorded gage readings are within +0.25 vertical feet of the true gage reading. For example, at a gage level of 15 feet below the spillway, the storage volume (SV) is 612 acre-feet based on the capacity curve. Assuming that the field recorded gage reading is within +0.25 vertical feet of actual gage level, the accuracy was calculated using the following equation: $Accuracy (\%) = \frac{(SV \text{ at } 15.25 \text{ feet}) - (SV \text{ at } 14.75 \text{ feet})}{(SV \text{ at } 15 \text{ feet})} * 100 = 4.5\%$ Similarly, the accuracy at a gage reading of 10 vertical feet below the spillway read within +0.25 vertical feet is 3.1%. The accuracy at a gage reading of 20 vertical feet below the spillway read within +0.25 vertical feet is 8.2%. This is within the 10% accuracy required by SB 88.

(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:

A Request for Additional Time to comply with SB 88 requirements was filed on June 6, 2017. A one-year extension was requested while compliance options are assessed. The proposed staff gage will be installed and operational as soon as realistically possible and no later than June, 2018. Court Decree 6395 allows diversion to storage from November 1 through March 31 each year. The proposed monthly monitoring will begin in the 2018 diversion season, or earlier if possible.

(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.

No additional permits are required.

(5000 character max.)

SECTION I - ATTACHMENTS

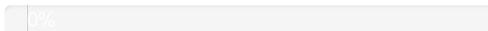


(1) Attach documents that support the Alternative Compliance Plan.

Choose File No file selected

Upload

(Uploaded files:) [Table 1 A013207 Alternative Compliance Plan.pdf](#)
[Figure 2. Taylor Place of Use.pdf](#)
[Figure 1. Taylor General Site Location.pdf](#)
[Figure 3. A013207 Alternative Compliance Plan.pdf](#)



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

Figure 1- General Site Location map. Figure 2- Diversion and Place of Use map and Modoc County Assessor's Parcel Numbers (APNs). Figure 3- Taylor Reservoir Capacity Curve showing equation for calculating storage volume from gage reading. Table 1- Water Rights Covered by this Alternative Compliance Plan.

(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 *

Seth Hammack, Ranch M

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.