

Statements of Water Diversion & Use Program

A report to
the State Water Resources Control Board
and
the Delta Stewardship

November 1, 2011
Board Item #9

Craig Wilson
Delta Watermaster

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2006
 Primary Owner: SAN VICENTE MANHATTAN & RESOURCES INC
 Statement Number: 0000076

Water's land owner: San VICENTE
 Year of the year: 2006

Months	Rate of diversion	Amount already diverted at this point	Amount diverted to date (Date Filed)
January	0.0	0.0	0.0
February	0.0	0.0	0.0
March	0.0	0.0	0.0
April	0.0	0.0	0.0
May	0.0	0.0	0.0
June	0.0	0.0	0.0
July	0.0	0.0	0.0
August	0.0	0.0	0.0
September	0.0	0.0	0.0
October	0.0	0.0	0.0
November	0.0	0.0	0.0
December	0.0	0.0	0.0
Total	0.0	0.0	0.0

Purpose of use: Irrigation
 Use: Agriculture
 Other: None

Changes in Method of Diversion: None

Conservation of water: No
 Are you now employing water conservation efforts?
 Describe the water conservation efforts you have initiated:
 Reduction of consumptive use
 Reduction in consumptive use
 Have you added to support the above surface water use reductions due to conservation efforts?

Water Quality and Watershed Restoration:
 Are you now or have you been using recycled water from a wastewater treatment facility?
 Describe the facility, its water quality, and any permits or orders to regulate which conservation efforts you have initiated:
 Amount of recycled water:
 Type of recycled water supply:
 Amount of subsurface water supply used:
 Have you added to support the above surface water use reductions due to the use of a subsurface water supply?

Competitive Use of Surface Water and Groundwater:
 Are you now using groundwater in lieu of surface water?
 Describe the groundwater use:
 Have you added to support the above surface water use reductions due to the use of groundwater?

Contact Information of the Person Submitting the Form:
 Print Name: Craig Wilson
 Date: 11/1/11
 Title: Delta Watermaster
 I declare the above and agree: Yes

1. I declare that I am the person who has prepared this report or under the supervision of a Licensed Professional Engineer, Licensed Professional Geologist, or Licensed Professional Surveyor.

2. I declare that I have not made any false or misleading statements in this report.

3. I declare that I have not made any false or misleading statements in this report.

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Statements Program

Requires, with minor exceptions, that all persons who divert water from a surface watercourse and who do not have a permit or license from the Board to file a statement of water diversion and use.



SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2004
 Primary Owner: **WEN WELCH MARCHES & RESOURCES INC**
 Statement Number: **001079**

Water is used under _____ (See 1014 Code)
 Year of this use _____ (Year)

Months	Rate of diversion	Amount directly purchased or collected by diverter (GPM/Day)	Amount indirectly used (GPM/Day)
January	0.0	0.0	0.0
February	0.0	0.0	0.0
March	0.0	0.0	0.0
April	0.0	0.0	0.0
May	0.0	0.0	0.0
June	0.0	0.0	0.0
July	0.0	0.0	0.0
August	0.0	0.0	0.0
September	0.0	0.0	0.0
October	0.0	0.0	0.0
November	0.0	0.0	0.0
December	0.0	0.0	0.0
Total	0.0	0.0	0.0

Purpose of use _____
 Irrigation _____ A.C. Acres
 Stockraising _____
 Other _____

Changes in Method of Diversion _____

Conservation of Water _____
 Are you now employing water conservation efforts? Yes No
 Describe any water conservation efforts you have initiated _____
 Reduction in Irrigation _____
 Reduction in consumptive use _____
 I have data to support the above surface water use reductions due to conservation efforts. Yes No

Water Quality and Beneficial Reuse _____
 Are you now or have you ever been using treated water from a beneficial treatment facility (distribution facility) of water obtained by wells to a degree which seasonally affects your water for other beneficial uses? Yes No
 Amount of reduced diversion _____
 Type of substitute water supply _____
 Amount of substitute water supply used _____
 I have data to support the above surface water use reductions due to the use of a substitute water supply. Yes No

Competitive Use of Surface Water and Groundwater _____
 Are you now using groundwater in lieu of surface water? Yes No
 Amount of groundwater used _____
 I have data to support the above surface water use reductions due to the use of groundwater. Yes No

Contact Information of the Person Submitting this Form _____
 First Name _____ Surname _____
 Cell Number _____ Title _____
 I read the above and agree. Yes No



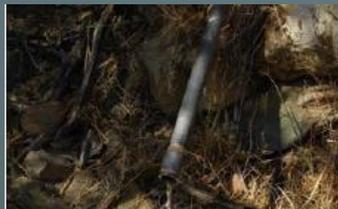


- Relevance of the Statements Program to the Delta
- History of the Program
- Recent changes to the Program
- Water Measurement Requirements



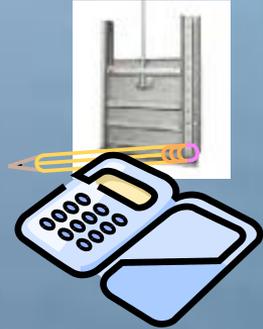
Relevance of Statements Program to the Delta

- Watermaster Responsibility: Implement monitoring and reporting requirements
- Most Delta diverters do not have Board permits or licenses
- Statements Program is the primary reporting and monitoring program for Delta diverters



Relevance of Statements Program to the Delta (cont'd)

- Until recently in-Delta diverters were not required to measure and report their water diversion and use
- Historically there have been little data regarding the nature, extent, and location of these diversions
- Statements Program can bring more **certainty** to water use in the Delta



Statements of Water Diversion & Use Program



- History of Program

- Started in 1966. Diverters “required” to file Statements
- Many exceptions, including most Delta diverters
- No legal consequence for not filing
- About 10,000 Statements on File as of 2009; only about 250 from Delta Diverters
- Statements are not a water right
- Purpose: To provide a central repository for records of diversion and use.
- Records of diversion amounts were “required”,
- but no specific measurement requirements.



STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
STATEMENT OF WATER DIVERSION AND USE
FOR THE YEAR ENDING _____
DIVERTER'S NAME _____
ADDRESS _____
CITY _____ STATE _____ ZIP _____
COUNTY _____

1. Name of diversion facility _____
2. Type of diversion facility _____
3. Date of construction _____
4. Capacity of diversion facility _____
5. Source of water _____
6. Point of diversion _____
7. Point of return _____
8. Name of water right _____
9. Date of water right _____
10. Capacity of water right _____
11. Name of water right holder _____
12. Date of water right holder _____
13. Capacity of water right holder _____
14. Name of water right holder's agent _____
15. Date of water right holder's agent _____
16. Capacity of water right holder's agent _____

Month	Diversion (cfs)	Use (cfs)
Jan		
Feb		
Mar		
Apr		
May		
Jun		
Jul		
Aug		
Sep		
Oct		
Nov		
Dec		

Number of Delta Diversifiers Based on Statements Submittals

- Total Diversifiers: 3,000
- Board permittees/licensees: 335
- Statement Filers
 - Pre-2010: 440
 - 2010 (new): 2225



- For first time, have an accurate number of diversions in the Delta
- Over 90% of diversions are not permittees/licensees
- No accurate numbers yet on amounts of water use in the Delta

New Water Measurement Requirements

A. Statutory: Water Code Sec. 5103

-  Apply to water diversions after January 2012
-  Monthly records of water diversions
-  Measurements shall be made using best available technologies and best professional practices
-  These technologies and practices are not required if person demonstrates such practices are not locally cost effective (but **monthly records** still required)
-  These requirements are distinct from the new DWR Program Agricultural Water Measurement Program which applies to certain water agricultural suppliers
-  Fines for not measuring, tampering with measuring devices, or making misstatements.

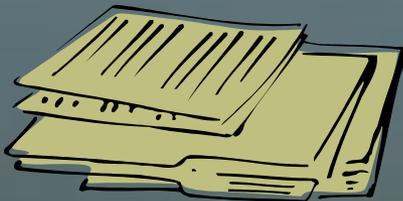


New Water Measurement Requirements (cont'd)

B. Legislative Findings re: Purpose of New Requirements



-  “Given the well-known importance of water to the state..., water measurement and reporting are required for most diversions.”
-  “Because none of these in-Delta diverters are required to measure and report their diversion and use, there is presently little data regarding the nature, extent, and location of these diversions.”



New Water Measurement Requirements (cont'd)



C. Definitions (Water Code Sec. 5100)

 “Best Available Technologies”: Technologies at the highest technologically practical level, using flow totaling devices and, if necessary, data loggers and telemetry.



 “Best Professional Practices”: Practices attaining and maintaining the accuracy of measurement and reporting devices and methods.

 No definition of “locally cost effective” in Statute. A definition is in Water Code Sec. 10608.12(k) regarding Agricultural Water Conservation.



Summary of New Approach

- 1) Monthly monitoring required starting 1/1/12
- 2) Use monitoring devices based on best engineering technologies and best professional practices
- 3) If diverter can demonstrate that such meters are not “locally cost effective,” alternative monthly measuring may be performed



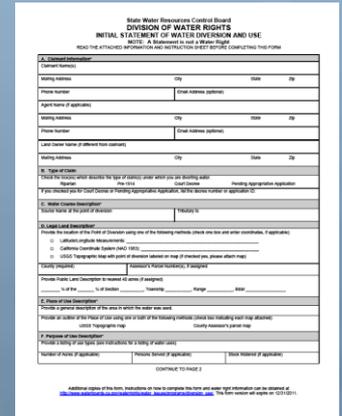
July 21, 2011 Workshop

- Staff informational report on the Program and implementation options
- Comments and reports from the Public



Implementation of the New Measurement Requirements

- Draft Guidance sent to diverters
 - Narrative summary
 - Draft of revised Statements Form
 - Information posted on Board's website
 - Water measurement devices examples
 - Alternative measurement methods examples
 - Vendor/suppliers of devices
 - Definitions of key water measurement terms
 - Frequently Asked Questions
- Comments requested by 11/18/11



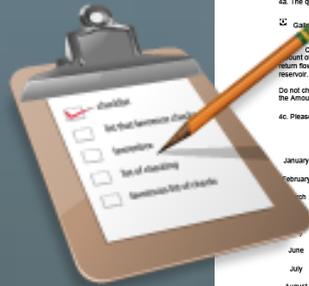
State Water Resources Control Board
DIVISION OF WATER RIGHTS
INITIAL STATEMENT OF WATER DIVERSION AND USE
NOTE: A Statement is used to Water Right (including this form)
REGARDING THE ATTACHED APPLICATION AND INSTRUCTIONS TO BEST PRACTICES (including this form)

A. Applicant Information	
Entity Name	
Entity Address	City State ZIP
Entity Phone	Entity Address (optional)
Right Name of Applicant	
Entity Address	City State ZIP
Entity Phone	Entity Address (optional)
Left Owner Name (if different from customer)	
Entity Address	City State ZIP
B. Type of Claim	
This form is used to report the use of a water right which you are diverting, using, or otherwise disposing of, for the purpose of the water right.	
Type of Claim: <input type="checkbox"/> Application <input type="checkbox"/> Renewal <input type="checkbox"/> Modification <input type="checkbox"/> Other (specify): _____	
If you are reporting the use of a water right for a purpose other than the one listed above, please check the appropriate box.	
C. Water Diversion Description	
Provide the number of the type of diversion using one of the following methods (check one box and enter coordinates, if applicable):	
<input type="checkbox"/> 1. Surface diversion (specify): _____	
<input type="checkbox"/> 2. Gravity (underground) system (GAS) (specify): _____	
<input type="checkbox"/> 3. Other (specify): _____	
Provide the name of the person or entity who is diverting the water (specify): _____	
Provide the name of the person or entity who is providing the water (specify): _____	
Provide the name of the person or entity who is receiving the water (specify): _____	
Provide the name of the person or entity who is providing the water (specify): _____	
Provide the name of the person or entity who is receiving the water (specify): _____	
Provide the name of the person or entity who is providing the water (specify): _____	
Provide the name of the person or entity who is receiving the water (specify): _____	



Implementation of the New Measurement Requirements (cont'd)

- Conduct public meetings, if necessary
- Recommendations to “fine-tune” the water diversion measurement requirements



CA.gov CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD
REPORTING
Report Management System
SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2010
 Statement Number: 3009183 Primary Owner: RICHARD C FOX

Part 2 of 6

4. AMOUNT OF WATER DIVERTED AND USED
 Note: Please report only the amounts diverted and used under this supplemental statement.

TO AVOID INACCURATE REPORTING OF WATER DIVERSION AND USE, REPORT WATER DIVERTED UNDER THE WATER RIGHT CLAIMED BY THIS STATEMENT ONLY. DO NOT REPORT WATER DIVERTED UNDER OTHER WATER RIGHTS OR SUPPLIED OR PURCHASED FROM OTHERS.

4a. The quantity of water used each month and entered in the table below is shown in units of:

Gallons Acre-feet (AF)

Check this box if the amount of water used is the same as the amount diverted. Normally, the amount of water used is less than the amount diverted because of conveyance losses in channels, return flows to a stream, difference in water collected in a reservoir vs. water withdrawn from the reservoir.

Do not check this box if your use of water is non-consumptive. As stated below, you must enter "0" in the Amount Used if you did not use water.

4c. Please enter numerals only. For months where no water was used, enter 0.

	Amount directly diverted or collected to storage	Amount used
January	0	0
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	0	0
September	0	0
October	0	0

1. List date the measuring device was not functioning:

1 1 01 2010 1 01 2010

1 1 01 2010 1 01 2010

1 1 01 2010 1 01 2010

1 1 01 2010 1 01 2010

SECTION 2
 Indicate the type of measuring device used to determine the amount of water collected to storage:

Propeller Meter
 Magnetic Meter
 Acoustic Meter
 Metergate
 Calibrated Slide Gate
 Calibrated Sluice Gate
 Other (Please describe below)

3. Was measuring device installed/maintained per (check all that apply):

Manufacturer's Recommendations
 American Water Works Association (AWWA)
 United States Geological Survey (USGS)
 Licensed Civil Engineer
 Certified Hydrographer
 Other

4. List the make, model and serial number of the measuring device:

5. Size of diversion:
 2 inches

6. Average Depth of Diversion:
 2.1 feet

7. List date measuring device was calibrated:
 1 01 2010

spring device was not functioning:

1 1 01 2010 1 01 2010

1 1 01 2010 1 01 2010

1 1 01 2010 1 01 2010

1 1 01 2010 1 01 2010

spring device listed in sections 1 or 2 based on your is not locally cost effective, answer the following questions:

statement of your diversion is "not locally cost-effective", and/or

if using an alternate measuring method please indicate the

y records dedicated to the pump.
ably elasticity records minus estimated non-pump elasticity.
relation with nearby gauged streams for use in a water balance.
flows for use in a water balance.
give use estimates.
orage and withdrawal using staff pipe and storage capacity (volume curve).

flow bypass systems.
nd wash.
lease describe below)

ation of the measuring method used to determine the amount of
method, brand or use

box if your diversion for beneficial use is de minimis.

Other Activities

- Monitoring
- Enforcement
- Future reports

