

STATE OF CALIFORNIA  
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
STATE WATER RESOURCES CONTROL BOARD

**DIVISION OF WATER RIGHTS**

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In the Matter of Permits 7130B, 20808B and 20808C (Applications 11674B, 27614B and 27614C)  
**Monterey Peninsula Water Management District and  
California American Water Company**

**ORDER APPROVING CHANGE IN POINT OF DIVERSION AND  
REDIVERSION AND SPLITTING PERMIT,  
CONFIRMING WITHDRAWAL OF CHANGE PETITION AND  
VOLUNTARY REVOCATION OF PERMIT**

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SOURCE: CARMEL RIVER AND CARMEL RIVER SUBTERRANEAN STREAM  
COUNTY: MONTEREY

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**WHEREAS:**

**A. Permit 20808:**

1. Permit 20808 was issued to Monterey Peninsula Water Management District (MPWMD or Permittee) on October 25, 1995, pursuant to Application 27614 for the New Los Padres Reservoir Project.
2. On November 30, 2007, the permit was split. Permit 20808 was revoked and Permits 20808A and 20808B were issued. Amended Permit 20808A was issued for Phase 1 of the Aquifer Storage and Recovery Project (ASR). California American Water (Cal Am) was added to Permit 20808A as co-Permittee. Permit 20808B was essentially the same as original Permit 20808, except the quantity assigned to Permit 20808A was deducted from the original permitted quantity.

**B. Permit 7130B:**

3. Permit 7130B (Application 11674B) is held by MPWMD. The permit authorizes storage in New Los Padres Reservoir. The reservoir has not been built. On January 19, 2011, MPWMD confirmed that it has abandoned Permit 7130B. This order revokes Permit 7130B.

**C. 2002 Change Petition on Permit 20808:**

4. On April 19, 2002, Permittee petitioned to change Permit 20808 to allow up to 7,909 acre-feet per annum (afa) to be directly diverted from the Carmel River and Carmel River subterranean stream. When the permit was split, the petition was assigned to Permit 20808B. On January 19, 2011, Permittee confirmed that it is withdrawing the petition concurrent with approval of the July 3, 2008 petition for change of Permit 20808B (see below). This order approves the 2008 change petition, which is described below. In accordance with the Permittee's request, this order confirms that the 2002 petition is withdrawn.

**D. 2008 Change Petition on Permit 20808B:**

5. On July 3, 2008, Permittees filed a petition to change Permit 20808B by changing a point of redirection to a point of diversion and adding offstream points of injection and recovery to facilitate ASR Phase 2. The Permittees requested that the permit be split, assigning a portion of the water right to the ASR Phase 2 project.
6. Public notice of the change was issued on January 15, 2009. The petition was protested by National Marine Fisheries Service (NMFS), Cal Am and the Carmel River Steelhead Association (CRSA). A late protest filed by California Salmon and Steelhead Association was not accepted. The protest issues have been resolved. NMFS and CRSA informed the Division that their protests could be considered dismissed. The protests are hereby dismissed. Cal Am withdrew its protest.

Protest resolution resulted in the addition of special terms to the permit that require the Permittees to reduce, to the maximum extent possible, the diversion of water from the Carmel River sources during the low flow season when water is recovered from the groundwater aquifer

7. The State Water Board has determined that the petition for change does not constitute the initiation of a new right nor operate to the injury of any other lawful user of water. The State Water Board has also determined that good cause for such change has been shown.
8. MPWMD issued a Notice of Exemption (NOE) based on an Existing Facilities Exemption, pursuant to Title 14, California Code of Regulations, section 15301, Class 1.
  - a. The project will not cause significant adverse impacts on any sensitive environment and will not result in significant cumulative impacts.
  - b. The project involves diversion of 2,900 af to groundwater storage. No new facilities will be constructed beyond those existing prior to the start of the Lead Agency's environmental review and the project does not involve an expansion in use beyond that which existed at the time the Lead Agency began its environmental review.

The State Water Board is a responsible agency for purposes of considering whether to approve the change petition that will allow Permittees to proceed with the proposed project. As a responsible agency, the State Water Board must consider the environmental documentation prepared by the lead agency, and any other relevant evidence in the record, and reach its own conclusions on whether and how to approve the project involved. (Cal. Code Regs., tit. 14, § 15096, subd. (a).) The State Water Board has considered the NOE in deciding whether to approve the petition.

In addition to any obligation the State Water Board may have under CEQA, the Board has an independent obligation to consider the effect of the proposed project on public trust resources and to protect those resources where feasible. (*National Audubon Society v. Superior Court* (1983) 33 Cal.3d 419 [189 Cal.Rptr. 346], 658 P.2d 709.) There is no evidence that approval of the change petition will cause significant adverse impacts on public trust resources.

9. The State Water Board has delegated the authority to act on change petitions to the Deputy Director for Water Rights (Deputy Director) pursuant to Resolution No. 2007-0057. (Resolution No. 2007-0057, section 4.2.4) Resolution No. 2007-0057 authorizes the Deputy Director to redelegate this authority to the Assistant Deputy Director for Water Rights. This authority has been so redelegated.
10. Pursuant to Resolution No. 2007-0057, the State Water Board has delegated authority to the Deputy Director to administer the duties required under the California Environmental Quality Act (CEQA). (Resolution No. 2007-0057, section 4.10.) Resolution No. 2007-0057 authorizes the Deputy Director to redelegate this authority to the Assistant Deputy Director for Water Rights. This authority has been so redelegated.
11. Two changes were made to the Phase 2 ASR Project; these changes were not part of the Phase I ASR Project. The bypass flow criteria for Permit 20808C was revised by NMFS and additional offstream injection facilities will be used to inject water into the ground. (November 24, 2010 NMFS protest dismissal letter to the Division and June 8, 2011 email from MPWMD to the Division.)

**NOW, THEREFORE, IT IS ORDERED THAT:**

1. Amended Permit 20808B issued November 30, 2007 (2007 Amended Permit 20808B) is revoked and Amended Permits 20808B (2011 Amended Permit 20808B) and 20808C are issued. The permits are attached.

2011 Amended Permit 20808B:

2. Condition 5 from 2007 Amended Permit 20808B is replaced with the following term:

The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed **forty-two (42) cubic feet per second** by direct diversion and **eighteen thousand six hundred seventy-four (18,674) acre-feet per annum** by storage to be diverted from **January 1 to December 31 of each year**, with the exception that no water may be diverted pursuant to this permit, either by direct diversion or diversion to storage, outside the diversion season of November 1 of each year to June 30 of the succeeding year, until the New Los Padres Project authorized by this permit becomes fully operational.

In addition to the seasonal restriction stated above, direct diversion and diversion to storage shall be allowed year-round only during the periods of time water is physically available over and above fish flow requirements.

The total amount of water to be taken from the source under this permit shall not exceed **23,674 acre-feet per water year of October 1 to September 30.**

The total quantity of water originating in the Carmel River diverted to beneficial use by the California-American Water Company and the Monterey Peninsula Water Management District (including direct diversion and rediversion of previously stored water, but not including diversions to storage) for municipal, domestic, industrial and irrigation purposes of use, including rights established by License 11866, Permit 7130B, Permit 20808A, Permit 20808B, Permit 20808C, Application 30215 and any permit or license issued pursuant thereto, pre-1914 appropriative

rights and riparian rights, shall not exceed (a) 16,000 acre-feet per annum or (b) such lesser amount identified in the Supplemental EIR on the Carmel River Dam as the annual beneficial use requirements associated with total project yield or the California-American Water Company production limit. The limit above may be modified upon further order of the State Water Board.

(000005E)

3. All other conditions of the 2007 Amended Permit 20808B shall be included in 2011 Amended Permit 20808B.

Permit 20808C:

4. Permit 20808C shall contain the following conditions:

The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed **two thousand nine hundred (2,900)** acre-feet per annum to be collected to underground storage in Seaside Groundwater Basin at a maximum instantaneous rate of **eight (8.0) cubic feet per second** from December 1 of each year to May 31 of the succeeding year.

(000005H)

Permittees' rights under this permit are junior to the rights of persons diverting water for reasonable beneficial use under valid and properly exercised riparian, overlying, and pre- and post-1914 appropriative claims of right which have a priority which is superior to the priority of Application 27614C.

(050T001)

Complete application of the water to the authorized use shall be made by December 1, 2020.

(0000009)

This permit shall not be construed as conferring upon the permittees right of access to the points of diversion.

(0000022)

Cal-Am shall consult with the Division of Water Rights and, within one year from the date of this permit, shall submit to the State Water Board its Urban Water Management Plan as prepared and adopted in conformance with Section 10610, et seq. of the California Water Code, supplemented by any additional information that may be required by the Board.

All cost-effective measures identified in the Urban Water Management Plan and any supplements thereto shall be implemented in accordance with the schedule for implementation found therein.

(0000029A)

If it is determined after permit issuance that the as-built conditions of the project are not correctly represented by the map(s) prepared to accompany the application, permittees shall, at their expense, have the subject map(s) updated or replaced with equivalent as-built maps(s). Said revision(s) or new map(s) shall be prepared by a civil engineer or land surveyor registered or licensed in the State of California and shall meet the requirements prescribed in section 715 and sections 717 through 723 of the California Code of Regulations, Title 23. Said revision(s) or map(s) shall be furnished upon request of the Deputy Director for Water Rights.

(0000030)

Permittees shall (1) install devices to measure the instantaneous rate and cumulative quantity of water diverted from the Carmel River and placed into underground storage and (2) install devices to measure the cumulative quantity of Carmel River water recovered from underground storage and placed to beneficial use. All measuring devices and the method of determining the quantity of water recovered from underground storage shall be approved by the State Water Board. All measuring devices shall be properly maintained.

(0060900) (0080900)

Permittees shall calibrate and maintain, a continuous flow measurement device, satisfactory to the State Water Board, at Carmel River at Highway 1 Bridge (River Mile 1.1)

If any measuring device is rendered inoperative for any reason, all diversions under this permit shall cease until such time as the device is restored to service.

These requirements shall remain in force as long as water is diverted by permittees (or successors-in-interest) under any permit or license issued pursuant to Application 27614C.

(0060062BP) (0000204)

Within six months of the issuance of this permit, the permittees shall submit a Compliance Plan for approval by the Deputy Director for Water Rights that will demonstrate compliance with the flow bypass terms specified in this permit. The Compliance Plan shall include the following:

- a. A description of the gages and monitoring devices that will be installed or have been installed to measure stream flow and diversion to underground storage.
- b. A time schedule for installation of these facilities.
- c. A description of the frequency of data collection and the methods for recording diversions, bypass flows and storage levels.
- d. An operation and maintenance plan that will be used to maintain gages and monitoring devices in good condition.

The permittees shall be responsible for all costs associated with developing the Compliance Plan, and installing and maintaining all monitoring facilities described in the Compliance Plan.

The monitoring data shall be maintained by the permittees for ten years from the date of collection and made available to the Deputy Director for Water Rights, upon request. Any non-compliance with the terms of the permit shall be reported by the permittees promptly to the Deputy Director for Water Rights.

(0000070)

The priority of this permit shall be junior to any permit issued on the applications set forth in Table 13 of Decision 1632 or for the persons named in Table 13 of Decision 1632 for an amount of water not to exceed the quantity set forth in the column titled "*Quantity Reserved by SWRCB for Future Appropriations,*" or as modified in accordance with the procedures set forth in Decision 1632, Permit Condition 10.

(0500800)

Permittees shall implement the Riparian Corridor Management Program outlined in the MPWMD's November 1990 Water Allocation Mitigation Program until Application 27614C is

licensed. Survey data and analysis of results shall be submitted annually to DFG for review and comment.

(0490500)

For the protection of fisheries, wildlife, and other instream uses in the Carmel River, diversions under this permit shall be subject to maintenance of minimum mean daily instream flows as specified in Table A, Minimum Mean Daily Instream Flow Requirements. No water shall be diverted under this permit if the instream flows would be reduced by such diversion below the minimum mean daily flows specified in Table A. To ensure compliance with these conditions, by September 30 of each year, Permittees shall file a report with the Deputy Director for Water Rights, DFG and NMFS containing the following information:

- a. Dates during the previous period of December 1 to May 31 of the succeeding year when water was diverted under this permit; and
- b. Mean daily flows recorded at the monitoring location specified in Condition 19 during the same period.

<b>TABLE A</b>	
<b>MINIMUM MEAN DAILY INSTREAM FLOW REQUIREMENTS</b>	
<b>December 1-April 15</b>	<b>April 16-May 31</b>
<p><b>Prior to Carmel River lagoon opening to the ocean <sup>1</sup>:</b>                      May divert with minimum bypass of <b>40 cfs</b> at the Carmel River at Highway 1 Bridge gage.</p> <p><b>Following Carmel River lagoon opening to the ocean:</b>                      May divert with minimum bypass of <b>120 cfs</b> at the Carmel River at Highway 1 Bridge gage.</p>	<p>May divert with minimum bypass of <b>80 cfs</b> at the Carmel River at Highway 1 Bridge gage.</p>

<sup>1</sup> On December 1, if water in the lagoon is flowing to the ocean, the lagoon shall be deemed to be open to the ocean. If on December 1 water in the lagoon is not flowing to the ocean, the lagoon shall be deemed to be open to the ocean when the lagoon level drops rapidly from a stable elevation to a lower elevation as evidenced by the water surface elevation gage located at the Carmel Area Wastewater District effluent pipeline across the south arm of the lagoon. This elevation gage is operated by Monterey Peninsula Water Management District.

(0400500)

Until the project authorized by this permit becomes fully operational, permittees shall continue to negotiate with DFG to maintain, insofar as possible, a minimum 5 cubic feet per second bypass flow below San Clemente Dam as measured at the Sleepy Hollow weir.

(0400500)

To prevent stranding of spring and fall steelhead juveniles and smolts during critically dry conditions, permittees shall continue to implement Fisheries Mitigation Measure 3 as outlined in the MPWMD's November 1990 Water Allocation Mitigation Program ("Rescue juveniles downstream of Robles del Rio in summer").

(0400500)

Permittees shall, in consultation with DFG, conduct studies to determine the effectiveness of fish rescue operations specified in the MPWMD's November 1990 Water Allocation Mitigation Program. The results shall be submitted to the Deputy Director for Water Rights, for review and approval.

(0400500)

Permittees shall implement the Lagoon Mitigation Program outlined in the MPWMD's November 1990 Water Allocation Mitigation Program. Annual reports shall be submitted to the Department of Parks and Recreation, DFG, and the Deputy Director for Water Rights for review.

(0400500)

Permittees shall maintain in good working order all riparian irrigation systems owned or operated by permittees under the MPWMD's November 1990 Water Allocation Mitigation Program for use as needed during dry and critically dry water years.

(0400500)

Recovery of Stored Water: Not later than June 1 of each year, the amount of water to be recovered from groundwater storage during that year's June 1 through November 30 period shall be determined by permittees, in consultation with DFG and NMFS, using the following procedures.

- a. The maximum amount for recovery each year (pumping of water previously diverted from the Carmel River and injected in the Seaside Groundwater Basin) was determined to be 1,500 acre-feet, using the logic developed for the computer simulation made by MPWMD's Carmel Valley Simulation (CVSIM) model. In any year, an alternative recovery amount may be agreed upon by permittees, DFG, and NMFS. The selected recovery amount shall be deemed the "Determined Recovery Amount."
- b. To the maximum extent operationally feasible, during each recovery season, permittees shall use their best efforts to recover the Determined Recovery Amount.
- c. Each year at the end of the injection season, the amount of water injected into the Seaside Basin during the current injection season shall be calculated. If this amount equals or exceeds the Determined Recovery Amount, then the Determined Recovery Amount shall be recovered. Any water injected during the current injection season that is in excess of the Determined Recovery Amount shall be added to "Carryover Storage."
- d. If the total amount of water injected during the current injection season is less than the Determined Recovery Amount, and the Carryover Storage from previous injection seasons is sufficient to make up the difference, then the Determined Recovery Amount shall be recovered. In this case, water from Carryover Storage shall be produced to supplement water injected during the current injection season to meet the Determined Recovery Amount. Any water that is produced from Carryover Storage to meet the Determined Recovery Amount shall be subtracted from Carryover Storage.

- e. If the total amount of water injected during the current injection season is less than the Determined Recovery Amount, and the Carryover Storage from previous injection seasons is insufficient to make up the difference, then the Determined Recovery Amount cannot be met. Instead, the amount of water recovered that year will be the total amount injected during the current injection season plus the total amount of Carryover Storage, if any, from previous injection seasons.
- f. Following the above decisions, if the amount of water stored by injection in the Seaside Groundwater Basin exceeds 7,200 acre-feet on June 1, the amount in excess of 7,200 acre-feet shall be added to the amount available for recovery that year.
- g. The actual amount of water produced from storage for recovery each year shall be uniformly distributed over the recovery season, unless modified and agreed upon by permittees, DFG, and NMFS.
- h. The water produced by permittees from the Aquifer Storage and Recovery (ASR) wells will be used to offset production from the Carmel River that would otherwise occur during the low-flow season. In any year that ASR water is recovered and delivered to the California American Water Company (Cal-Am) distribution system, Cal-Am shall, to the maximum extent operationally feasible, reduce water diversion from its Carmel River sources. The amount of ASR water that is recovered each year shall be subtracted from Cal-Am's total annual diversion allowance from its Carmel River sources in excess of Cal-Am's recognized rights. This condition shall sunset when the Deputy Director of Water Rights concurs in writing that Cal-Am has obtained a permanent supply of water that has been substituted for water diverted in excess of Cal-Am's recognized rights pursuant to Condition No. 11 of Order WR 2009-0060.
- i. The following procedures will be implemented to facilitate cooperative compliance monitoring of the reductions in dry season (June-November) diversions from the Carmel River Aquifer that will be offset by utilizing water recovered from the ASR wells:
  - 1) Cal-Am will provide copies by e-mail of its weekly "Carmel Valley & Seaside Production Report" to one designated contact each for DFG and NMFS.
  - 2) This e-mail report will show daily values in acre-feet of the water produced from each source, vs. daily targets. These daily targets are derived from the monthly production targets developed as part of the Cal-Am/MPWMD Quarterly Water Budget process.
  - 3) If the amount of water produced differs significantly from daily targets for more than two weeks, the designated DFG or NMFS contact can choose to call for the four parties to meet and confer on ongoing Cal-Am operations during the first five business days of the succeeding month.

In any case, these production numbers are and will continue to be reviewed as part of the Cal-Am/MPWMD Quarterly Water Budget process, which includes two regularly scheduled quarterly meetings during the dry season between permittees, DFG, and NMFS. DFG's and NMFS' ability to call for a monthly meeting to review Cal-Am's patterns of production for compliance with the intended offset of Carmel River Aquifer diversions by production from the ASR wells, will be in addition to the regularly-scheduled Quarterly Water Budget Meetings.

(0080900)

5. Permit 7130B is hereby revoked.
6. The 2002 petition for change to directly divert 7,909 afa is withdrawn.

STATE WATER RESOURCES CONTROL BOARD

*for James W. Kassel*  
Barbara Evoy, Deputy Director  
Division of Water Rights

Dated: **NOV 30 2011**

Attachments

**STATE OF CALIFORNIA  
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
STATE WATER RESOURCES CONTROL BOARD**

**DIVISION OF WATER RIGHTS**

**AMENDED PERMIT FOR DIVERSION AND USE OF WATER**

APPLICATION 27614B

PERMIT 20808B

of

Monterey Peninsula Water Management District  
P.O. Box 85  
Monterey, CA 93942-0085

The amended permit is being issued in accordance with the redelegations of authority (Resolution No. 2007-0057.) Therefore, an amended permit on **Application 27614B** filed on **December 16, 1982** has been approved by the State Water Board SUBJECT TO PRIOR RIGHTS and to the limitations and conditions of this amended permit

**Permittee is hereby authorized to divert and use water as follows:**

1. Source of water

Source:	Tributary to:
<b>(1-32) Carmel River Subterranean Stream</b>	<b>Pacific Ocean</b>
<b>(33-34) Carmel River</b>	<b>Pacific Ocean</b>

within the County of **Monterey**

2. Location of points of diversion and redirection

Points of Diversion to Offstream Storage (By California Coordinate System of 1983 -Zone 4)	40-acre subdivision of public land survey or projection thereof	Section (Projected)	Township	Range	Base and Meridian
<b>(1) Reimers Well: North 2,086,120 feet and East 5,730,970 feet</b>	<b>NE¼ of SW¼.</b>	<b>23</b>	<b>16S</b>	<b>1E</b>	<b>MD</b>
<b>(2) Pryor Well: North 2,085,820 feet and East 5,731,520 feet</b>	<b>NE¼ of SW¼</b>	<b>23</b>	<b>16S</b>	<b>1E</b>	<b>MD</b>
<b>(3) Scarlett Well: North 2,084,820 feet and East 5,739,770 feet</b>	<b>SW¼ of SW¼</b>	<b>9</b>	<b>16S</b>	<b>2E</b>	<b>MD</b>
<b>(4) De Dampierre Well: North 2,068,820 feet and East 5,756,020 feet</b>	<b>NE¼ of SW¼</b>	<b>3</b>	<b>17S</b>	<b>2E</b>	<b>MD</b>
<b>(5) Canada Well: North 2,092,010 feet and East 5,715,190 feet</b>	<b>NE¼ of SW¼</b>	<b>17</b>	<b>16S</b>	<b>1E</b>	<b>MD</b>

(6) San Carlos Well: North 2,091,660 feet and East 5,717,990 feet	NE¼ of SE¼	17	16S	1E	MD
(7) Cypress Well: North 2,087,610 feet and East 5,724,640 feet	SW¼ of NW¼	22	16S	1E	MD
(8) Pearce Well: North 2,087,360 feet and East 5,726,140 feet	SE¼ of NW¼	22	16S	1E	MD
(9) Schulte Well: North 2,087,410 feet and East 5,729,240 feet	SE¼ of NW¼	23	16S	1E	MD
(10) Manor #2 Well: North 2,086,460 feet and East 5,731,340 feet	NE¼ of SW¼	23	16S	1E	MD
(11) Begonia #2 Well: North 2,085,510 feet and East 5,734,740 feet	NW¼ of SW¼	24	16S	1E	MD
(12) Berwick #7 Well: North 2,084,460 feet and East 5,735,290 feet	SW¼ of SW¼	24	16S	1E	MD
(13) Berwick #8 Well: North 2,084,510 feet and East 5,736,090 feet	SE¼ of SW¼	24	16S	1E	MD
(14) Scarlett #6 Well: North 2,819,760 feet and East 5,005,540 feet	SW¼ of SW¼	19	16S	2E	MD
(15) Scarlett #8 Well: North 2,084,510 feet and East 5,740,590 feet	SW¼ of SW¼	19	16S	2E	MD
(16) Stanton Well: North 2,083,012 feet and East 5,742,337 feet	NW¼ of NE¼	30	16S	2E	MD
(17) Los Laureles #5 Well: North 2,080,310 feet and East 5,748,590 feet	NW¼ of SE¼	29	16S	2E	MD
(18) Los Laureles #6 Well: North 2,079,510 feet and East 5,749,440 feet	SE¼ of SE¼	29	16S	2E	MD
(19) West Garzas #4 Well: North 2,075,260 feet and East 5,752,190 feet	NE¼ of SW¼	33	16S	2E	MD
(20) Garzas Creek #3 Well: North 2,073,610 feet and East 5,753,040 feet	SW¼ of SE¼	33	16S	2E	MD
(21) Panetta #2 Well: North 2,072,110 feet and East 5,754,740 feet	NW¼ of NW¼	3	17S	2E	MD
(22) Panetta #1 Well: North 2,071,960 feet and East 5,754,640 feet	NW¼ of NW¼	3	17S	2E	MD

<b>(23) Robles #3 Well: North 2,067,110 feet and East 5,759,490 feet</b>	<b>NE¼ of NE¼</b>	<b>10</b>	<b>17S</b>	<b>2E</b>	<b>MD</b>
<b>(24) Russell #4 Well: North 2,061,810 feet and East 5,764,040 feet</b>	<b>SW¼ of SE¼</b>	<b>14</b>	<b>17S</b>	<b>2E</b>	<b>MD</b>
<b>(25) Russell #2 Well: North 2,061,410 feet and East 5,764,040 feet</b>	<b>SE¼ of SE¼</b>	<b>14</b>	<b>17S</b>	<b>2E</b>	<b>MD</b>
<b>(26) A Well: North 2,091,070 feet and East 5,706,020 feet</b>	<b>SW¼ of SE¼</b>	<b>13</b>	<b>16S</b>	<b>1W</b>	<b>MD</b>
<b>(27) B Well: North 2,091,970 feet and East 5,709,420 feet</b>	<b>NE¼ of SW¼</b>	<b>18</b>	<b>16S</b>	<b>1E</b>	<b>MD</b>
<b>(28) C Well: North 2,087,220 feet and East 5,724,470 feet</b>	<b>SW¼ of NW¼</b>	<b>22</b>	<b>16S</b>	<b>1E</b>	<b>MD</b>
<b>(29) D Well: North 2,087,370 feet and East 5,729,270 feet</b>	<b>SW¼ of NW¼</b>	<b>23</b>	<b>16S</b>	<b>1E</b>	<b>MD</b>
<b>(30) E Well: North 2,084,920 feet and East 5,737,320 feet</b>	<b>SW¼ of SE¼</b>	<b>24</b>	<b>16S</b>	<b>1E</b>	<b>MD</b>
<b>(31) F Well: North 2,072,120 feet and East 5,754,670 feet</b>	<b>NW¼ of NW¼</b>	<b>3</b>	<b>17S</b>	<b>2E</b>	<b>MD</b>
<b>(32) G Well: North 2,070,270 feet and East 5,755,270 feet</b>	<b>SW¼ of NW¼</b>	<b>3</b>	<b>17S</b>	<b>2E</b>	<b>MD</b>
<b>Point of Diversion Only (33) New Los Padres Dam: North 2,037,121 feet and East 5,777,324 feet</b>	<b>NE¼ of SE¼</b>	<b>5</b>	<b>18S</b>	<b>3E</b>	<b>MD</b>
<b>Point of Rediversion Only (34) San Clemente Dam: North 2,053,010 feet and East 5,765,040 feet</b>	<b>NW¼ of SW¼</b>	<b>24</b>	<b>17S</b>	<b>2E</b>	<b>MD</b>

3. Purpose of use	4. Place of use	Section (Projected)	Township	Range	Base and Meridian	Acres
<b>Municipal Irrigation Fish and Wildlife Preservation and Enhancement</b>	<b>Within the boundaries of the Monterey Peninsula Water Management District</b>					<b>110,000</b>

The place of use is shown on map on file with the State Water Board dated September 12, 2003.

5. The water appropriated shall be limited to the quantity which can be beneficially used and shall not exceed **forty-two (42) cubic feet per second** by direct diversion and **eighteen thousand six hundred seventy-four (18,674) acre-feet per annum** by storage to be diverted from **January 1 to December 31 of each year**, with the exception that no water may be diverted pursuant to this permit, either by direct diversion or diversion to storage, outside the diversion season of November 1 of each year to June 30 of the succeeding year, until the New Los Padres Project authorized by this permit becomes fully operational.

In addition to the seasonal restriction stated above, direct diversion and diversion to storage shall be allowed year-round only during the periods of time water is physically available over and above fish flow requirements set forth in Permit Tables A, B and C.

The total amount of water to be taken from the source under this permit shall not exceed **23,674 acre-feet per water year of October 1 to September 30**.

The total quantity of water originating in the Carmel River diverted to beneficial use by the California-American Water Company and the Monterey Peninsula Water Management District (including direct diversion and redirection of previously stored water, but not including diversions to storage) for municipal, domestic, industrial and irrigation purposes of use, including rights established by License 11866, Permit 7130B, Permit 20808A, Permit 20808B, Permit 20808C, Application 30215 and any permit or license issued pursuant thereto, pre-1914 appropriative rights and riparian rights, shall not exceed (a) 16,000 acre-feet per annum or (b) such lesser amount identified in the Supplemental EIR on the Carmel River Dam as the annual beneficial use requirements associated with total project yield or the California-American Water Company production limit. The limit above may be modified upon further order of the State Water Board.

(0000005E)

6. Construction work shall begin within four years from certification of the Carmel River Dam Supplemental Environmental Impact Report. (0000007)
7. Construction work shall be prosecuted with reasonable diligence and shall be completed by December 31, 2005. (0000008)
8. Complete application of the water to the authorized use shall be made by December 1, 2020. (0000009)
9. This permit shall not be construed as conferring upon permittee right of access to the point of diversion. (0000022)
10. Permittee's rights under this permit are junior to the rights of persons diverting water for reasonable beneficial use under valid and properly exercised riparian, overlying, and pre-and post-1914 appropriative claims of right that have a priority which is superior to the priority of Application 27614B. (050T001)

11. The priority of this permit shall be junior to any permit issued on the applications set forth in Table 13 of Decision 1632 or for the persons named in Table 13 of Decision 1632 for an amount of water not to exceed the quantity set forth in the column titled "*Quantity Reserved By SWRCB For Future Appropriations*". Applicants can request the State Water Board to modify the amounts in this column in accordance with the procedures in this condition.

Persons identified in Table 13 of Decision 1632 that have not filed an application to appropriate water must file an application by December 29, 1995 to benefit from this condition. To the extent such applicants and persons claim riparian, overlying, pre-1914 appropriative or other rights to use the water, they shall not be entitled to a post-1914 appropriative right for water in excess of established quantities of use as a result of this permit condition. Any priority obtained for a permit by virtue of this condition shall be void if the permittee and/or others divert more water under this permit and claimed underlying rights than is authorized on the face of the permit. However, the priority shall not be voided for the diversion of de minimis amounts that can be reasonably attributed to operational uncertainties.

Upon request by an applicant, a protestant, or the District, notification to the District and petitioner, and opportunity for comment, the State Water Board will review whether the amount set forth in the column entitled "*Quantity Reserved By SWRCB For Future Appropriations*" should be increased or decreased, at such time as an application is processed. However, no reconsideration will be provided for amounts based upon a stipulation between the District and an applicant, except in those instances where the stipulation is subsequently revised or a new stipulation is entered into by the District with respect to Table 13 quantities.

Request for review shall be submitted and accompanied by *prima facie* evidence of established quantities of use to the Deputy Director for Water Rights, on or before December 29, 1995. Requests for review submitted after this date shall not be considered. The criterion for review shall be whether the applicant had an established reasonable beneficial use of water and the amount of such use on or before November 22, 1994. Recorded water use shall be based either on records of meter readings or well production records. Only recorded water use for the period January 1, 1987 through November 22, 1994 shall be considered. Limited meter readings are available for the Carmel River Valley beginning in 1987. The Deputy Director for Water Rights is delegated authority to modify the quantities identified in Table 13 of Decision 1632. This condition is not a restriction on exercise of valid riparian, pre-1914 appropriative, or post-1914 appropriative rights which are senior to the permit issued pursuant to Application 27614, or valid rights to diversion of percolating ground water.

(016T001) (0500700)

12. Permittee shall not divert water under this permit unless and until California American Water Company (Cal-Am) has obtained an alternative supply of water for its illegal diversions from the Carmel River. A contract with permittee to obtain water made available under this permit is one means by which Cal-Am can obtain a legal supply of water in lieu of its existing diversions.

(0360900)

13. The New Los Padres Dam is of such size as to be within the jurisdiction of the Department of Water Resources as to safety, and construction under this permit shall not be commenced until the Department has approved the plans and specifications for the dam.

(0360048)

14. Permittee shall consult with the Division of Water Rights and develop, in conformance with Water Code Section 10610, et seq., and implement a water conservation plan or actions. The proposed plan or actions shall be presented to the State Water Board for approval within one year from the date of this permit or such further time as, for good cause shown, may be allowed by the Board. A progress report on the development of a water conservation program may be required by the Board at any time within this period.

All cost-effective measures identified in the water conservation program shall be implemented in accordance with the schedule for implementation found therein.

(000029B)

15. The permittee shall prepare an Erosion Control Plan. The plan shall be submitted to the Deputy Director for Water Rights for approval prior to project construction.

(0400500)

16. Prior to construction, permittee shall develop and implement a program in consultation with the California Department of Fish and Game to monitor changes in channel capacity and growth of riparian vegetation downstream of the project. The program shall be submitted to the Deputy Director for Water Rights, for approval prior to initiation of construction activities. Changes shall be monitored for a period of 20 years from issuance of Permit after which time the program will be re-evaluated. Permittee shall submit the results of the monitoring program to the State Water Board and Department of Fish and Game annually with the Progress Report by Permittee.

If reduction in pre-project main stem channel capacity is confirmed, or changes in channel geometry increase the risk of bank erosion, and if inspection of sediment deposition indicates fishery habitat degradation, permittee in consultation with State Water Board, Department of Fish and Game and other responsible resource agencies, shall devise and implement measures to correct the adverse changes.

(0490500) (0110700)

17. In order to prevent degradation of the quality of water during and after construction of the project, prior to commencement of construction permittee shall file a report pursuant to Water Code Section 13260 and shall comply with all waste discharge requirements imposed by the California Central Coast Regional Water Quality Control Board or by the State Water Board.

(0000100)

18. For protection of the downstream fishery, permittee shall install and operate a multilevel intake structure on the outlet works of the New Los Padres Dam. The structure shall be designed to provide temperature control and maximum reaeration of released water. The design of the intake structure shall be approved by the Department of Fish and Game prior to project construction.

(0400500)

19. To mitigate for loss of mixed hardwood forest and coast live oak woodland, permittee shall acquire the rights to a minimum of 380 acres of property in the immediate project vicinity to be preserved as open space and wildlife habitat.

(0400500)

20. To mitigate for loss of valley oak woodland, permittee shall implement the Valley Oak Woodland Mitigation Plan as specified in the Monterey Peninsula Water Supply Project Final EIR/EIS (March 1994), Volume II, Attachment 9-B.

(0400500)

21. To mitigate for construction staging area impacts, permittee shall implement the Construction Staging Area Mitigation Plan as specified in the Monterey Peninsula Water Supply Project Final EIR/EIS (March 1994), Volume II, Attachment 9-E. Monitoring shall occur for a period of 20 years to ensure success in meeting pre-established success criteria. The results of the monitoring program shall be submitted to the Deputy Director for Water Rights. Any modification in the mitigation plan is subject to the review and approval of the Deputy Director for Water Rights, subject to appropriate conditions.  
(0400700)
22. Prior to construction, permittee shall finalize the Riparian and Wetland Habitat Mitigation and Monitoring Plan for review and approval by resource agencies participating in the Interagency Vegetation Working Group and the Deputy Director for Water Rights. Permittee shall commence implementation of the final Plan within one year of construction completion.  
(0490500) (0400700)
23. Prior to construction, permittee shall collect, clean, and place in cold storage seeds of the Douglas' Spine flower and the Lewis' Clarkia. Permittee shall apply the seeds to the construction staging area upon project completion along with the revegetation mix.  
(0400500)
24. Permittee shall maintain in good working order all riparian irrigation systems owned or operated by permittee under its Water Allocation Program Environmental Impact Report, 5-Year Mitigation Program (November 1990) for use as needed during dry or critically dry water years, as defined in Table C, when no flow is to be maintained at the lagoon, or under conditions of critically low storage in New Los Padres Reservoir when no flow is required at the Narrows.  
(0400500)
25. Permittee shall implement the Wildlife Habitat Monitoring Program outlined in the Monterey Peninsula Water Supply Project Final EIR/EIS, Volume III, Appendix 9-G until Application 27614B is licensed. Survey data and analysis of results shall be submitted annually to the Department of Fish and Game for review and comment. If, after review, Department of Fish and Game determines need for mitigation, permittee shall within one year of such a finding, submit to the Deputy Director for Water Rights, for review and approval a plan detailing specific measures which will be implemented. Upon approval by the Deputy Director for Water Rights, permittee shall implement the approved measures.  
(0490500)
26. Prior to construction, permittee shall in consultation with Department of Fish and Game and the National Marine Fisheries Service finalize the Spawning Habitat Mitigation Plan outlined in the Monterey Peninsula Water Supply Project Final EIR/EIS (March 1994), Volume II, Appendix 8-B. The plan shall be submitted to the Deputy Director for Water Rights, for review and approval. Upon approval, the permittee shall implement the plan.  
(0400500)
27. During the final project design phase, and prior to solicitation of bids for construction, permittee shall, to the satisfaction of the Department of Fish and Game, the National Marine Fisheries Service and the Deputy Director for Water Rights, finalize the Steelhead Fisheries Mitigation Plan found in the Monterey Peninsula Water Supply Project Final EIR/EIS (March 1994), Volume II, Attachment 8-A. Said plan shall establish a numerical goal against which the success of the plan may be measured.  
(0400500)

28. Permittee shall at all times maintain minimum instream flow at the lagoon, the Narrows, and below New Los Padres Dam as specified in Table A and Table B of this permit. The flow shall depend on hydrologic year type, season, and reservoir storage conditions. Hydrologic year types shall be based on the Water Supply Index as specified in Table C of this permit. Permittee shall incorporate a daily time step in its hydrologic forecasting so that the Water Supply Index can be upgraded on a daily basis.

(0400500)
29. Once the project authorized by this permit becomes operational, permittee shall assure that any water delivered to California American Water Company shall not result in surface water diversion to the San Clemente Filter plant in excess of 16 cfs in Normal or Better years, 5.6 cfs in Below Normal Years, and 3.5 cfs in Dry or Critically Dry years.

(0060900)
30. Permittee shall continue to operate or install and properly maintain continuous flow measurement devices, satisfactory to the State Water Board, at the following locations in the Carmel River:
  - a. Carmel River at the Highway 1 bridge.
  - b. Carmel River at the Don Juan bridge.
  - c. Carmel River at Sleepy Hollow.
  - d. Carmel River upstream and downstream of New Los Padres Reservoir at the fish screening facilities.

(0560900)
31. Permittee shall submit annual reports to the Deputy Director for Water Rights and Department of Fish and Game stating the mean daily flows at the five specified monitoring locations throughout the year.

(0090900)
32. Once an attraction event has occurred, as defined in Table A, and Carmel River flow has decreased to 200 cubic feet per second at the lagoon, permittee shall "ramp down" the flows at the lagoon to prevent fish stranding. Permittee shall operate the New Los Padres Reservoir in a manner which reduces the measured flow at the Highway 1 Bridge by 15 percent or less in any 24-hour period.

(0400500)
33. Until the project authorized by this permit becomes fully operational, permittee shall continue to negotiate with California American Water Company and Department of Fish and Game to maintain, insofar as possible a minimum 5 cubic foot per second bypass flow below San Clemente Dam as measured at the Sleepy Hollow weir.

(0400500)
34. To prevent stranding of spring and fall steelhead juveniles and smolts during critically dry conditions, permittee shall continue to implement the fisheries measures outlined in the Water Allocation Mitigation Program as described in the Monterey Peninsula Water Supply Project Final EIR/EIS (March 1994), Volume III, Appendix 2-D.

(0400500)

35. Permittee shall, in consultation with Department of Fish and Game, design and construct upstream and downstream fish passage facilities for the New Los Padres Project. The design plans shall be submitted to the Deputy Director for Water Rights, prior to commencement of construction of fish passage facilities. The permittee shall fully fund the construction and continued operation of the upstream and downstream fish passage facilities. An annual Memorandum of Understanding (MOU) shall be executed between the permittee and Department of Fish and Game defining operation of the fish passage facilities. Permittee shall record and maintain records of numbers of adult and juvenile steelhead trapped and transported by the facilities. The MOU shall be submitted to the Deputy Director for Water Rights, annually.  
(0400500) (0090700)
36. Permittee shall, in consultation with Department of Fish and Game and the National Marine Fisheries Service, develop a formal Remedial Action Plan to address problems which may occur with the fish passage facilities. Should the facilities prove unsuccessful, the State Water Board may, under its continuing jurisdiction, alter the project instream flow schedules (Tables A and B) to increase habitat below the dam.  
(0400500)
37. Should the Carmel River steelhead become listed as threatened or endangered under either the State or Federal Endangered Species Acts prior to construction of the works authorized by this permit, permittee shall seek a formal biological opinion from the trustee agency and implement additional feasible mitigation measures identified in said opinion.  
(0400500)
38. Prior to construction, permittee shall, in consultation with Department of Fish and Game, conduct additional investigations to further define the instream flow requirements in the reach immediately downstream of the New Los Padres Dam. Permittee shall prepare a final report of these investigations and submit the report to Department of Fish and Game and the State Water Board. Under its continuing authority, after notice and opportunity for hearing, the State Water Board may modify the fishery bypass flows in this permit, based upon the results of said investigations.  
(0400500)
39. During the final project design phase, and prior to solicitation of bids for construction, permittee shall provide documentation to the State Water Board that sufficient long-term financial resources have been committed to fund all mitigation measures specified in this permit to assure their full and continuing implementation.  
(0470500)
40. Permittee shall, in consultation with Department of Fish and Game conduct studies to determine the effectiveness of fish rescue operations specified in the Water Allocation Mitigation Program and the Steelhead Resource Mitigation Plan. The results shall be submitted to the Deputy Director for Water Rights for review and approval.  
(0400500)
41. Permittee shall annually monitor the volume of the Carmel River Lagoon and actual sand transport into the lagoon. Annual reports shall be submitted to the California Department of Parks and Recreation, Department of Fish and Game, and the Deputy Director for Water Rights for review. Such monitoring shall take place for a period of 20 years, after which the program shall be evaluated. If increased sediment transport is observed, the permittee shall, in consultation with the Department of Parks and Recreation and Department of Fish and Game, evaluate the significance of the impacts and initiate a program to prevent reduction in habitat value.  
(0400500)

42. For the protection of historic properties, including both prehistoric/ethnohistoric archeological resources and traditional cultural properties, permittee shall adhere to the May 2, 1995 *"Programmatic Agreement Among the U.S. Army Corps of Engineers, San Francisco District, the California State Historic Preservation Officer, and the Advisory Council on Historic Preservation Regarding Issuance of a Permit Under Section 404 of the Clean Water Act for the New Los Padres Dam and Reservoir Project."* Permittee shall continue to consult with the U.S. Army Corps of Engineers, the State Water Board, the State Historic Preservation Officer, the Advisory Council on Historic Preservation, and the Native Americans regarding cultural resources until all stipulations of the Programmatic Agreement and resultant Historic Properties Management Plan and any Historic Properties Treatment Plans have been completed to the satisfaction of all the parties. Any modifications to the Programmatic Agreement are subject to the approval of the Deputy Director for Water Rights. The permittee shall also comply with the *"Procedure for the Protection of Historic and Cultural Properties"* (36 CFR 60) and the implementing regulations of the Advisory Council on Historic Preservation 36, CFR 800.  
(0380500)
43. Permittee shall implement the mitigation measures regarding the archeological and traditional properties of importance to the Native Americans that result from the National Historic Preservation Act Section 106 process as set forth in the Historic Properties Management Plans and the Historic Properties Treatment Plans in the special permit term regarding the Programmatic Agreement.  
(0380700)
44. Permittee shall submit an annual progress report regarding cultural resources to the Deputy Director for Water Rights, until such time that the cultural resource work has been completed or this permit is licensed.  
(0380700)
45. The State Water Board reserves jurisdiction to require the permittee to implement such additional mitigation measures for protection of traditional cultural properties as may be necessary in the event the results of the National Historic Preservation Act Section 106 process do not meet with the satisfaction of the State Water Board.  
(0380600)
46. For the protection of historic properties including both prehistoric/ethnohistoric archeological resources and traditional cultural properties of importance to the Native Americans, permittee shall include the Native Americans as participants in the National Historic Preservation Act Section 106 process as specified in the Programmatic Agreement and the Memorandum of Understanding which were executed by the Tribe, the Nation, the District, and the U.S. Army Corps of Engineers.  
(0380300)
47. Any mitigation measures that result from the process outlined in the Programmatic Agreement and in the Memoranda of Understanding with the Esselen Tribe and Nation are subject to the approval of the State Water Board. If these measures are acceptable to the Deputy Director for Water Rights, permittee shall be responsible for full implementation of these measures.  
(0380500) (0490500)

**THIS PERMIT IS ALSO SUBJECT TO THE FOLLOWING TERMS AND CONDITIONS:**

- A. The amount authorized for appropriation may be reduced in the license if investigation warrants. (0000006)
- B. Progress reports shall be submitted promptly by permittee when requested by the State Water Board until a license is issued. (0000010)
- C. Permittee shall allow representatives of the State Water Board and other parties, as may be authorized from time to time by said State Water Board, reasonable access to project works to determine compliance with the terms of this permit. (0000011)
- D. Pursuant to California Water Code sections 100 and 275, and the common law public trust doctrine, all rights and privileges under this permit and under any license issued pursuant thereto, including method of diversion, method of use, and quantity of water diverted, are subject to the continuing authority of State Water Board in accordance with law and in the interest of the public welfare to protect public trust uses and to prevent waste, unreasonable use, unreasonable method of use, or unreasonable method of diversion of said water.

The continuing authority of the State Water Board may be exercised by imposing specific requirements over and above those contained in this permit with a view to eliminating waste of water and to meeting the reasonable water requirements of permittee without unreasonable draft on the source. Permittee may be required to implement a water conservation plan, features of which may include but not necessarily be limited to (1) reusing or reclaiming the water allocated; (2) using water reclaimed by another entity instead of all or part of the water allocated; (3) restricting diversions so as to eliminate agricultural tailwater or to reduce return flow; (4) suppressing evaporation losses from water surfaces; (5) controlling phreatophytic growth; and (6) installing, maintaining, and operating efficient water measuring devices to assure compliance with the quantity limitations of this permit and to determine accurately water use as against reasonable water requirements for the authorized project. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such specific requirements are physically and financially feasible and are appropriate to the particular situation.

The continuing authority of the State Water Board also may be exercised by imposing further limitations on the diversion and use of water by the permittee in order to protect public trust uses. No action will be taken pursuant to this paragraph unless the State Water Board determines, after notice to affected parties and opportunity for hearing, that such action is consistent with California Constitution Article X, Section 2; is consistent with the public interest; and is necessary to preserve or restore the uses protected by the public trust.

(0000012)

- E. The quantity of water diverted under this permit and under any license issued pursuant thereto is subject to modification by the State Water Board if, after notice to the permittee and an opportunity for hearing, the State Water Board finds that such modification is necessary to meet water quality objectives in water quality control plans which have been or hereafter may be established or modified pursuant to Division 7 of the Water Code. No action will be taken pursuant to this paragraph unless the State Water Board finds that (1) adequate waste discharge requirements have been prescribed and are in effect with respect to all waste discharges which have any substantial effect upon water quality in the area involved, and (2) the water quality objectives cannot be achieved solely through the control of waste discharges.

(0000013)

- F. This permit does not authorize any act that results in the taking of a threatened or endangered species or any act that is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & G. Code, §§ 2050 - 2097) or the federal Endangered Species Act (16 U.S.C.A. §§ 1531 - 1544). If a "take" will result from any act authorized under this water right, the permittee shall obtain authorization for an incidental take prior to construction or operation of the project. Permittee shall be responsible for meeting all requirements of the applicable Endangered Species Act for the project authorized under this permit. (0000014)
- G. Permittee shall maintain records of the amount of water diverted and used to enable the State Water Board to determine the amount of water that has been applied to beneficial use pursuant to Water Code Section 1605. (0000015)
- H. No work shall commence and no water shall be diverted, stored or used under this permit until a copy of a stream or lake alteration agreement between the State Department of Fish and Game and the permittee is filed with the Division of Water Rights. Compliance with the terms and conditions of the agreement is the responsibility of the permittee. If a stream or lake agreement is not necessary for this permitted project, the permittee shall provide the Division of Water Rights a copy of a waiver signed by the State Department of Fish and Game. (0000063)

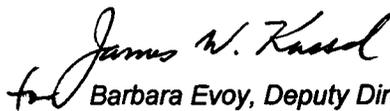
***This permit is issued and permittee takes it subject to the following provisions of the Water Code:***

Section 1390. A permit shall be effective for such time as the water actually appropriated under it is used for a useful and beneficial purpose in conformity with this division (of the Water Code), but no longer.

Section 1391. Every permit shall include the enumeration of conditions therein which in substance shall include all of the provisions of this article and the statement that any appropriator of water to whom a permit is issued takes it subject to the conditions therein expressed.

Section 1392. Every permittee, if he accepts a permit, does so under the conditions precedent that no value whatsoever in excess of the actual amount paid to the State therefor shall at any time be assigned to or claimed for any permit granted or issued under the provisions of this division (of the Water Code), or for any rights granted or acquired under the provisions of this division (of the Water Code), in respect to the regulation by any competent public authority of the services or the price of the services to be rendered by any permittee or by the holder of any rights granted or acquired under the provisions of this division (of the Water Code) or in respect to any valuation for purposes of sale to or purchase, whether through condemnation proceedings or otherwise, by the State or any city, city and county, municipal water district, irrigation district, lighting district, or any political subdivision of the State, of the rights and property of any permittee, or the possessor of any rights granted, issued, or acquired under the provisions of this division (of the Water Code).

STATE WATER RESOURCES CONTROL BOARD

  
for Barbara Evoy, Deputy Director  
Division of Water Rights

Date:

NOV 30 2011

<b>PERMIT TABLE A</b>		
<b>MINIMUM INSTREAM FLOW REQUIREMENTS BELOW NEW LOS PADRES DAM</b>		
<b>JANUARY-MARCH</b>	<b>APRIL-MAY</b>	<b>JUNE-DECEMBER</b>
<b>Normal or Better Years</b>	<b>Normal or Better Years</b>	<b>Normal or Better Years</b>
Maintain 20 cfs below New Los Padres Dam for juvenile rearing until an attraction event occurs. Once an attraction event occurs, maintain 50 cfs below New Los Padres Dam for migration, spawning, and incubation purposes.	Maintain 40 cfs below New Los Padres Dam for smolt emigration.	Maintain 20 cfs below New Los Padres Dam for juvenile rearing.
<b>Below Normal Years</b>	<b>Below Normal Years</b>	<b>Below Normal Years</b>
Same flow requirements as Normal or Better Years.	Same flow requirements as Normal or Better Years.	Same flow requirements as Normal or Better Years.
<b>Dry Years</b>	<b>Dry Years</b>	<b>Dry Years</b>
Same flow requirements as Normal or Better Years except that once an attraction event occurs, maintain 35 cfs below New Los Padres Dam for migration, spawning, and incubation purposes.	Maintain 30 cfs below New Los Padres Dam for smolt emigration.	If usable storage in New Los Padres Reservoir is greater than 5,000 af, maintain 20 cfs below New Los Padres Dam for juvenile rearing. If usable storage in New Los Padres Reservoir is less than 5,000 af, maintain 10 cfs below New Los Padres Dam for juvenile rearing.
<b>Critically Dry Years</b>	<b>Critically Dry Years</b>	<b>Critically Dry Years</b>
Same flow requirements as Normal or Better Years except that once an attraction events occurs, maintain 20 cfs below New Los Padres Dam for migration, spawning, and incubation purposes.	Maintain 20 cfs below New Los Padres Dam for smolt emigration.	Maintain 10 cfs below New Los Padres Dam for juvenile rearing.
<b>Critically Low Storage</b>	<b>Critically Low Storage</b>	<b>Critically Low Storage</b>
Maintain 5 cfs below New Los Padres and San Clemente Dams.	Maintain 5 cfs below New Los Padres and San Clemente Dams.	Maintain 5 cfs below New Los Padres and San Clemente Dams.

<b>PERMIT TABLE B</b>		
<b>MINIMUM INSTREAM FLOW REQUIREMENTS AT CARMEL RIVER NARROWS AND LAGOON</b>		
<b>JANUARY-MARCH</b>	<b>APRIL-MAY</b>	<b>JUNE-DECEMBER</b>
<b>Normal or Better Years</b>	<b>Normal or Better Years</b>	<b>Normal or Better Years</b>
<p>Maintain <b>5</b> cfs to the lagoon for juvenile rearing until an attraction event is projected.</p> <p>Whenever an attraction event is predicted, maintain <b>200</b> cfs to the lagoon for the duration of the attraction event.</p> <p>Following an attraction event, provide migration flows of <b>200</b> to <b>60</b> cfs to the lagoon, depending on estimated natural recession rates.</p> <p>Following the migration period, maintain <b>40</b> cfs to the lagoon and <b>70</b> cfs at the Narrows for spawning.</p>	<p>Maintain <b>40</b> cfs to the lagoon for smolt emigration.</p>	<p>Maintain <b>5</b> cfs to the lagoon for juvenile rearing.</p>
<b>Below Normal Years</b>	<b>Below Normal Years</b>	<b>Below Normal Years</b>
Same flow requirements as Normal or Better Years.	Same flow requirements as Normal or Better Years.	Same flow requirements as Normal or Better Years.
<b>Dry Years</b>	<b>Dry Years</b>	<b>Dry Years</b>
<p>Same flow requirements as Normal or Better Years except that:</p> <p>(1) Whenever an attraction event is projected, maintain either <b>200</b> cfs in January, <b>100</b> cfs in February, or <b>75</b> cfs in March to the lagoon for the duration of the attraction event</p> <p>(2) Following the migration period, maintain <b>40</b> cfs to the lagoon and <b>50</b> cfs at the Narrows for spawning.</p>	<p>Maintain <b>30</b> cfs to the lagoon for smolt emigration</p>	<p>Same flow requirements as Normal or Better Years except that: If usable storage in New Los Padres Reservoir is less than 5,000 AF, maintain <b>10</b> cfs at the Narrows for juvenile rearing. No flow is required at the lagoon.</p>

<b>PERMIT TABLE B (continued)</b>		
<b>MINIMUM INSTREAM FLOW REQUIREMENTS AT CARMEL RIVER NARROWS AND LAGOON</b>		
<b>JANUARY-MARCH</b>	<b>APRIL-MAY</b>	<b>JUNE-DECEMBER</b>
<b>Critically Dry Years</b>	<b>Critically Dry Years</b>	<b>Critically Dry Years</b>
<p>Same flow requirements as Normal or Better Years except that:</p> <p>(1) Whenever an attraction event is projected, maintain either <b>200</b> cfs in January, <b>100</b> cfs in February, or <b>75</b> cfs in March to the lagoon for the duration of the attraction event.</p> <p>(2) Following the migration period, maintain <b>20</b> cfs to the lagoon and <b>30</b> cfs at the Narrows for spawning.</p>	<p>Maintain <b>20</b> cfs to the lagoon for smolt emigration.</p>	<p>Maintain <b>10</b> cfs at the Narrows for juvenile rearing. No flow is required at the lagoon.</p>
<b>Critically Low Storage</b>	<b>Critically Low Storage</b>	<b>Critically Low Storage</b>
<p>Maintain <b>5</b> cfs below New Los Padres and San Clemente Dams. No flow required at Narrows or lagoon.</p>	<p>Maintain <b>5</b> cfs below New Los Padres and San Clemente Dams. No flow required at Narrows or lagoon.</p>	<p>Maintain <b>5</b> cfs below New Los Padres and San Clemente Dams. No flow required at Narrows or lagoon.</p>

<b>PERMIT TABLE C</b>				
<b>WATER YEAR SUPPLY INDEX CUMULATIVE UNIMPAIRED INFLOW AT SAN CLEMENTE DAM (AF)</b>				
	<b>WATER YEAR CLASS</b>			
	<b>Normal or Better</b>	<b>Below Normal</b>	<b>Dry</b>	<b>Critically Dry</b>
End Oct	> 200	> 200-100	> 100-1	0
Oct-Nov	> 1,000	1,000-500	500-200	< 200
Oct-Dec	> 4,100	4,100-1,700	1,700-1,175	< 1,175
Oct-Jan	> 11,800	11,800-5,450	5,450-4,100	< 4,100
Oct-Feb	> 26,300	26,300-14,400	14,400-7,550	< 7,550
Oct-Mar	> 31,900	39,100-21,950	21,950-10,925	< 10,925
Oct-Apr	> 46,400	46,400-28,300	28,300-12,975	< 12,975
Oct-May	> 47,400	47,400-30,650	30,650-14,425	< 14,425
Oct-Jun	> 48,000	48,000-31,550	31,550-14,900	< 14,900
Oct-Jul	> 48,100	48,100-31,700	31,700-14,925	< 14,925
Oct-Aug	> 48,100	48,100-31,750	31,750-14,925	< 14,925

NOTE: Classes derived from monthly unimpaired flows to San Clemente Dam for the period of 1902-1978. (MPWMD: 289, A-5, 23.)

Notes for Tables A, B and C:

1. Water Year classifications are based on the District Water Supply Index, computed from the reconstructed longterm record of unimpaired flow at the San Clemente Dam.
2. "Critically Low Storage" occurs whenever usable storage in New Los Padres Reservoir falls below 2,000 af and persists until usable storage exceeds 7,500 af.
3. An attraction event is defined as occurrence of 200 cfs at the Carmel River Lagoon.