



**MONTEREY PENINSULA
WATER MANAGEMENT DISTRICT**

5 HARRIS COURT, BLDG. G
POST OFFICE BOX 85
MONTEREY, CA 93942-0085 • (831) 658-5600
FAX (831) 644-9560 • <http://www.mpwmd.dst.ca.us>

November 28, 2006

SENT VIA FEDERAL EXPRESS

Steve Herrera
Chief, Water Rights Permitting Section
Division of Water Rights
State Water Resources Control Board
P.O. Box 2000
Sacramento, CA 95812-2000

Subject: Application for Temporary Permit for Diversion and Use of Water from the Carmel River for the Seaside Basin Aquifer Storage and Recovery (ASR) Project for Water Year 2007

Dear Mr. Herrera:

This letter transmits an application for a Temporary Permit for the above-referenced project, in accordance with Section 1425 et seq. of the California Water Code (Temporary Permits). Also enclosed are two checks, \$5,300 to the State Water Resources Control Board (SWRCB) and \$850 to the California Department of Fish and Game. The project map, titled "Seaside Basin Pilot Injection/Storage Project" and dated August 1997, is on file with your office under Application T30676/Permit 20963.

As you know, the Monterey Peninsula Water Management District (MPWMD) is endeavoring to address protests by California Department of Fish and Game and National Marine Fisheries Service (NMFS) of our Petitions for Change to Permits 7130B and 20808 as a permanent right for the Seaside Basin Aquifer Storage and Recovery (ASR) Project. However, to date we have been unable to achieve agreement on permit conditions among CDFG, NMFS, MPWMD, and California American Water, which recently became co-owner of the portion of each permit pertaining to the Phase 1 ASR Project. In order to continue testing and operation of the project during the upcoming Water Year 2007 season, we are submitting the enclosed application for a Temporary Permit.

As with our previous applications for Temporary Permit, we propose to conform to the instream flow regime presented in the report titled Instream Flow Needs for Steelhead in the Carmel River, Bypass flow recommendations for water supply projects using Carmel River waters (National Marine Fisheries Service, Southwest Region, Santa Rosa Field Office, June 3, 2002). These recommendations were the basis of the instream flows specified in Condition 7 of the permits issued for testing during Water Years 2003 through 2006 (Temporary Permits 21143, 21163, 21168, and 21175).

Steve Herrera
November 28, 2006
Page 2

We are encouraged by the results of the past eight years of ASR testing in the Seaside Basin, and would like to continue such testing while focusing on certain considerations (water level and water chemistry changes during injection, storage and recovery periods). Accordingly, we are requesting authorization to divert Carmel River Basin water for continued testing during the upcoming Water Year 2007 season. We believe this project concept is consistent with the California Department of Water Resources' emphasis on the importance of conjunctive use as a critical component of water supply augmentation statewide, as described in Bulletin 160-05, The California Water Plan Update 2005. In addition, this ASR concept has been identified by California American Water as a key component in the proposed long-term water supply solution for the Monterey Peninsula, known as the Coastal Water Project.

If any additional information is required in order to process this permit application, please do not hesitate to contact me at 831-658-5620 or Joe Oliver, MPWMD Water Resources Manager (831-658-5640). We appreciate the continued cooperation and assistance from your office on this project.

Sincerely,



Andrew M. Bell
District Engineer

Enclosures: Application To Appropriate Water, with attachments (Attachments 1 through 5)
Water Availability Analysis (Attachment 3 to Application To Appropriate Water)
Check to State Water Resources Control Board in the amount of \$5,300
Check to California Department of Fish and Game in the amount of \$850

cc: David A. Berger, MPWMD General Manager
David C. Laredo, MPWMD General Counsel
Joe Oliver, MPWMD Water Resources Manager
Darby W. Fuerst, MPWMD Senior Hydrologist

TYPE OR PRINT
IN BLACK INK
(For instructions, see
booklet "How to File an
Application to Appropriate
Water in California")



California Environmental Protection Agency

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400
www.waterrights.ca.gov

APPLICATION NO. _____
(leave blank)

APPLICATION TO APPROPRIATE WATER

SECTION A: NOTICE INFORMATION

1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name	Monterey Peninsula Water Management District	Andrew M. Bell District Engineer
Mailing Address	PO Box 85	
City, State & Zip	Monterey, CA 93942	
Telephone	(831) 658-5620	
Fax	(831) 644-9560	
E-mail	andy@mpwmd.dst.ca.us	

2. OWNERSHIP INFORMATION (Please check type of ownership.)

- Sole Owner Limited Liability Company (LLC) General Partnership*
 Limited Partnership* Business Trust Husband/Wife Co-Ownership
 Corporation Joint Venture Other **Public Agency**

*Please provide a copy of your partnership agreement.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.)

Please see Attachment 1

For continuation, see Attachment No. **1**

4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)	Acre-feet per year	Beginning date (month & day)	Ending date (month & day)
Groundwater recharge/ municipal use	4.5 cfs	650 afy	Dec. 1	May 31			

See Attachment No. _____ * If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

b. Total combined amount taken by direct diversion and storage during any one year will be **650 afy** acre-feet.

c. Reservoir storage is: onstream offstream underground (If underground storage, attach Form APP-UGSTOR.)

d. County in which diversion is located: **Monterey** County in which water will be used: **Monterey**

e. Assessor's Parcel Number(s): **Various - see Item 7, Place of use.**

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

- POD / PORD # : **Carmel River** tributary to **Pacific Ocean**
 thence _____
 POD / PORD # : _____ tributary to _____
 thence _____
 POD / PORD # : _____ tributary to _____
 thence _____
 POD / PORD # : _____ tributary to _____
 thence _____

See Attachment No. **2** for list of sources and points of diversion.

b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #	CALIFORNIA COORDINATES (NAD 27)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN- SHIP	RANGE	BASE AND MERIDIAN
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

See Attachment No. 2.

- c. Name of the post office most often used by those living near the proposed point(s) of diversion:
Carmel Valley, CA 93924

6. WATER AVAILABILITY

- a. Have you attached a water availability analysis for this project? YES NO
 If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation:

See Attachment No. 3.

- b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board during your proposed season of diversion? YES NO
- c. In an average year, does the stream dry up at any point downstream of your project? YES NO If YES, during which months? Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec
- d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.)

N/A

See Attachment No.

7. PLACE OF USE

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
NE ¼ of NE ¼	23(P)	15 S	1 E	MD		<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼	(This is the location of the points of injection to the Seaside Groundwater Basin.)					<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼	and 110,000 acres within boundaries of MPWMD					<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
¼ of ¼						<input type="checkbox"/> YES <input type="checkbox"/> NO
Total:						

*Please indicate if section is projected with a "(P)" following the section number.

See Attachment No.

8. PROJECT SCHEDULE

- a. Project is:
 proposed. Year construction will begin: _____
 partially complete. Extent of completion: **Pilot injection well, full-scale test injection well and appurtenant facilities are in place. An additional injection well and associated improvements are planned for Water Year 2007.**
 complete. Year completed: _____
- b. Year of first use: **WY 1999** Year water will be used to the full extent intended: **N/A-Project is the continuation of a feasibility study.**

SECTION B: MISCELLANEOUS DIVERSION INFORMATION

I. JUSTIFICATION OF AMOUNTS REQUESTED

a. IRRIGATION: Maximum area to be irrigated in any one year: _____ acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-feet/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)

See Attachment No. _____

b. DOMESTIC: Number of residences to be served: _____ Separately owned? YES NO
 Number of people to be served: _____ Estimated daily use per person is: _____ gallons per day
 Area of domestic lawns and gardens: _____ square feet
 Incidental domestic uses: _____
(dust control area, number and kind of domestic animals, etc.)

c. STOCKWATERING: Kind of stock: _____ Maximum number: _____
 Describe type of operation: _____
(feedlot, dairy, range, etc.)

d. RECREATIONAL: Type of recreation: Fishing Swimming Boating Other _____

e. MUNICIPAL:

POPULATION		MAXIMUM MONTH		ANNUAL USE		
List for 5-year periods until use is completed		Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)
Period	Population					
Present						

See Attachment No. _____

Month of maximum use during year: _____ Month of minimum use during year: _____

f. HEAT CONTROL: Area to be heat controlled: _____ net acres
 Type of crops protected: _____
 Rate at which water is applied to use: _____ gpm per acre
 Heat protection season will begin _____ and end _____
(month & day) (month & day)

g. FROST PROTECTION: Area to be frost protected: _____ net acres
 Type of crops protected: _____
 Rate at which water is applied to use: _____ gpm per acre
 The frost protection season will begin _____ and end _____
(month & day) (month & day)

h. INDUSTRIAL: Type of industry: _____
 Basis for determination of amount of water needed: _____

i. MINING: Name of the claim: _____ Patented Unpatented
 Nature of the mine: _____ Mineral(s) to be mined: _____
 Type of milling or processing: _____
 After use, the water will be discharged into _____ (watercourse)
 in _____ 1/4 of _____ 1/4 of Section _____, T _____, R _____, B. & M. _____

j. POWER: Total head to be utilized: _____ feet
 Maximum flow through the penstock: _____ cfs
 Maximum theoretical horsepower capable of being generated by the works (cfs x fall ÷ 8.8): _____
 Electrical capacity (hp x 0.746 x efficiency): _____ kilowatts at: _____ % efficiency
 After use, the water will be discharged into _____ (watercourse)
 in _____ 1/4 of _____ 1/4 of Section _____, T _____, R _____, B. & M. _____ FERC No.: _____

k. FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and habitat type that will be preserved or enhanced in Item 7a of Section C.

l. OTHER: Describe use: **Groundwater recharge**
 Basis for determination of amount of water needed: **(1) Report titled "Reconnaissance - Level Feasibility Study for Seaside Basin Injection/Recovery Project", prepared for MPWD by Fugro West, Inc., February 1997; (2) Water Years 1999 through 2006 testing of Seaside Basin injection wells.**

2. DIVERSION AND DISTRIBUTION METHOD

- a. Diversion will be by gravity by means of: existing pipeline from San Clemente Dam; and
(dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)
- b. Diversion will be by pumping from: 19 wells in Carmel Valley
(sump, offset well, channel, reservoir, etc)
 Pump discharge rate: Various cfs or gpd Horsepower: Various Pump Efficiency: Various
- c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	

See Attachment No. _____

- d. Storage reservoirs: (For underground storage, complete and attach form APP-UGSTOR)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)

See Attachment No. 4 **Underground Storage Supplement (APP-UGSTOR)**

- e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter (inches)	Length (feet)	Fall: vertical distance between entrance and exit of outlet pipe (feet)	Head: vertical distance from spillway to entrance of outlet pipe (feet)	Dead Storage: storage below entrance of outlet pipe (acre-feet)
San Clemente	24	20	45	55	45

See Attachment No. _____

- f. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be N/A cfs. Diversion to offstream storage will be made by: Pumping Gravity

3. CONSERVATION AND MONITORING

- a. What methods will you use to conserve water? Explain Visual inspection for leaks, spills, and equipment breakage or malfunction.

- b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? Weir Meter Periodic sampling Other (describe) _____

4. RIGHT OF ACCESS

- a. Does the applicant own all the land where the water will be diverted, transported and used? YES NO
 If NO, I do do not have a recorded easement or written authorization allowing me access.
- b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access: California American Water
PO Box 951
Monterey, CA 93942

See Attachment No. _____

5. EXISTING WATER RIGHTS AND RELATED FILINGS

- a. Do you claim an existing right for the use of all or part of the water sought by this application? YES NO
 If YES, please specify: Riparian Pre-1914 Registration Permit License
 Percolating groundwater Adjudicated Other (specify) _____
- b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of

water diversion and use, if applicable. N/A

- c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion? License 11866 (California American Water); Permit 7130B and Permit 20808 (Monterey Peninsula Water Management District)
 See Attachment No. _____

6. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? Yes No If yes, please explain: _____

7. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section and quarter/quarter section of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at <http://topomaps.usgs.gov>. A certified engineering map is required when (1) appropriating more than three cfs by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1000 acre-feet per annum by underground storage. See the instruction booklet for more information. **The project map, titled "Seaside Basin Pilot Test Injection/Storage Project" and dated August 1997, is on file with the Division of Water Rights under Application T30676/Permit 20963.**
 See Attachment No. _____

SECTION C: ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Resources Control Board (SWRCB) must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the SWRCB is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

1. COUNTY PERMITS

- a. Contact your county planning or public works department and provide the following information:
 Person contacted: Linda Weiland Date of contact: July 16, 1997
 Department: Monterey County Planning Department Telephone: (831) 755-5306
 County Zoning Designation: _____
 Are any county permits required for your project? YES NO If YES, check appropriate box below:
 Grading permit Use permit Watercourse Obstruction permit Change of zoning
 General plan change Other (explain): _____

- b. Have you obtained any of the required permits described above? YES NO
 If YES, provide a complete copy of each permit obtained.
 See Attachment No. _____

2. STATE/FEDERAL PERMITS AND REQUIREMENTS None

- a. Check any additional state or federal permits required for your project:
 Federal Energy Regulatory Commission U.S. Forest Service U.S. Bureau of Land Management
 U.S. Corps of Engineers U.S. Natural Res. Conservation Service Calif. Dept. of Fish and Game
 State Lands Commission Calif. Dept. of Water Resources (Div. of Safety of Dams)
 Calif. Coastal Commission State Reclamation Board Other (specify) _____

- b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

See Attachment No. _____

- c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? YES NO

If YES, explain: _____

See Attachment No. _____

- d. Have you contacted the California Department of Fish and Game concerning your project? YES NO
If YES, name and telephone number of contact: _____

3. ENVIRONMENTAL DOCUMENTS

- a. Has any California public agency prepared an environmental document for your project? YES NO
c. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency: Monterey Peninsula Water Management District

- d. If NO, check the appropriate box and explain below, if necessary:

The applicant is a California public agency and will be preparing the environmental document.*

I expect that the SWRCB will be preparing the environmental document.**

I expect that a California public agency other than the State Water Resources Control Board will be preparing the environmental document.* Public agency: _____

See Attachment No. 5

* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the SWRCB, Division of Water Rights. Processing of your application cannot proceed until these documents are submitted.

** Note: CEQA requires that the SWRCB, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the SWRCB, Division of Water Rights.

4. WASTE/WASTEWATER

- a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation?
 YES NO

If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):

See Attachment No. _____

- b. Will a waste discharge permit be required for your project? YES NO

Person contacted: _____ Date of contact: _____

- c. What method of treatment and disposal will be used? _____

See Attachment No. _____

5. ARCHEOLOGY

- a. Have any archeological reports been prepared on this project? YES NO

- b. Will you be preparing an archeological report to satisfy another public agency? YES NO

- c. Do you know of any archeological or historic sites located within the general project area? YES NO

If YES, explain: _____

See Attachment No. _____

6. ENVIRONMENTAL SETTING

Attach three complete sets of color photographs, clearly dated and labeled, showing the vegetation that exists at the following three locations:

Along the stream channel immediately downstream from the proposed point(s) of diversion.

Along the stream channel immediately upstream from the proposed point(s) of diversion.

At the place(s) where the water is to be used.

See Attachment No. _____

SECTION D: SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an \$850 check for the environmental review fee, payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. Your application will be returned to you if it is not accompanied by all required fees.

SECTION E: DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.



Signature of Applicant
Andrew M. Bell

District Engineer
Title or Relationship

November 28, 2006
Date

Signature of Co-Applicant (if any)

Title or Relationship

Date



"APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- Answer each question completely in Sections A, B, and C.
- Number and include all necessary attachments.
- Include a legible map that meets the requirements discussed in the instruction booklet (Item B6).
- Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation (Item A6).
- Include three complete sets of color photographs of the project site (Item C6).
- Enclose a check for the required fee, payable to the Division of Water Rights, as specified in Section D.
- Enclose a \$850 check for the environmental review fee, payable to the Department of Fish and Game, as specified in Section D.
- Sign and date the application in Section E.

Send the original and one copy of the entire application to:

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000
Sacramento, CA 95812-2000

APPLICATION TO APPROPRIATE WATER

**SECTION A: NOTICE INFORMATION
ITEM 3. PROJECT DESCRIPTION**

SEASIDE BASIN TEST INJECTION WELL PROJECT

The Monterey Peninsula Water Management District (MPWMD) proposes to divert surplus water from the Carmel River Basin for underground injection and storage in the Seaside Ground Water Basin, as part of a feasibility project during the Water Year (WY) 2007 precipitation season. This is a continuation of the pilot feasibility project conducted by MPWMD upon completion of the Paso Robles Test Injection Well (PRTIW) in May 1998. Testing at the PRTIW was conducted during four recharge seasons (WYs 1999 through 2002). A second test well, the Santa Margarita Test Injection Well No. 1 (SMTIW No. 1), was completed in April 2001. Testing at the SMTIW No. 1 was conducted during five recharge seasons (WYs 2002 through 2006). In addition, it is anticipated that injection testing will also be conducted at a new ASR well, SMTIW No. 2, located adjacent to SMTIW #1. The proposed test project will utilize the existing Carmel River diversion, treatment, and transmission facilities owned and operated by California American Water (Cal-Am) to transport treated surface and subsurface water from the Carmel River to one or more of three injection wells located within Cal-Am's production wellfield in the Seaside Basin. The three injection wells are the PRTIW, the SMTIW, and the Ord Grove #1 Well, an inactive Cal-Am production well. The production and distribution systems for the two basins are linked via the existing Cañada de la Segunda pipeline, which is a 16- to 30-inch diameter water transmission line approximately 3 miles long, extending from Carmel Valley to the Seaside portion of the Cal-Am distribution system at Highway 68 southeast of the City of Seaside.

Under the test project, up to 4.5 cubic feet per second (2,000 gallons per minute) will be diverted from the Carmel River to underground storage in the Seaside Basin, for a maximum of 650 acre-feet during the winter and spring high flow months. The proposed season of diversion is December 1 through May 31. Diversions will only be made during periods when there is adequate instream flow. The minimum instream flow requirements will be as described in Condition 7 of Temporary Permit 21175, the permit issued for WY 2006. These flows are consistent with the instream flow requirements presented in the report titled Instream Flow Needs for Steelhead in the Carmel River, Bypass flow recommendations for water supply projects using Carmel River waters (National Marine Fisheries Service, Southwest Region, Santa Rosa Field Office, June 3, 2002).

The water will be used for groundwater recharge. Injection testing will be performed to determine the rate of injection, fate of injected water, and possible chemical interaction between the injected water and the native groundwater. It is also planned to conduct recovery testing of the SMTIW No. 1 and 2 to determine recovery efficiency and quality characteristics of the recovered water.

APPLICATION TO APPROPRIATE WATER

SECTION A: NOTICE INFORMATION

ITEM 5. SOURCES AND POINTS OF DIVERSION AND REDIVERSION

POINTS OF DIVERSION

San Clemente Dam

Point is approximately 1,700 feet North, 100 feet East of the SW corner of Section 24, T.17S., R.2E., MDB&M. Point is within the NW 1/4 of SW 1/4 of Section 24.

Carmel Valley Aquifer

Points are 19 wells owned by California American Water that are integrated into the production and distribution system delivering water from Carmel Valley. A listing of the wells and their locations is given on the following page.

POINTS OF INJECTION TO UNDERGROUND STORAGE

Paso Robles Test
Injection Well (PRTIW)

Point is approximately 100 feet South, 1,200 feet West of the NE corner of projected Section 23, T.15S., R.1E., MDB&M. Point is within the NE 1/4 of NE 1/4 of projected Section 23.

Santa Margarita Test Injection Wells (SMTIW)

SMTIW No. 1

Point is approximately 200 feet South, 500 feet West of the NE corner of projected Section 23, T.15S., R.1E., MDB&M. Point is within the NE 1/4 of NE 1/4 of projected Section 23.

SMTIW No. 2

Point is approximately 100 feet North, 150 feet West of the SE corner of projected Section 14, T.15S., R.1E., MDB&M. Point is within the SE 1/4 of SE 1/4 of projected Section 14.

**LOCATIONS OF WELLS IN CARMEL VALLEY AQUIFER
(POINTS OF DIVERSION)**

Common Name	Approximate Coordinate Distances From Section Corner	Section	Township	Range
1. Cañada	2,000' N, 2,000' E of SW corner	17	16 S	1 E
2. San Carlos	1,700' N, 900' W of SE corner	17	16 S	1 E
3. Cypress	2,200' S, 600' E of NW corner	22	16 S	1 E
4. Pearce	2,500' S, 2,200' E of NW corner	22	16 S	1 E
5. Schulte	2,300' S, 100' E of NW corner	23	16 S	1 E
6. Manor #2	2,000' N, 2,100' E of SW corner	23	16 S	1 E
7. Begonia #2	1,300' N, 300' E of SW corner	24	16 S	1 E
8. Berwick #7	200' N, 800' E of SW corner	24	16 S	1 E
9. Berwick #8	300' N, 1,700' E of SW corner	24	16 S	1 E
10. Scarlett #8	400' N, 900' E of SW corner	19	16 S	2 E
11. Los Laureles #5	1,700' N, 2,500' W of SE corner	29	16 S	2 E
12. Los Laureles #6	900' N, 700' W of SE corner	29	16 S	2 E
13. West Garzas #4	2,200' N, 2,000' E of SW corner	33	16 S	2 E
14. Garzas Creek #3	500' N, 1,900' W of SE corner	33	16 S	2 E
15. Panetta #2	800' S, 200' E of NW corner	3	17 S	2 E
16. Panetta #1	1,000' S, 100' E of NW corner	3	17 S	2 E
17. Robles #3	600' S, 100' W of NE corner	10	17 S	2 E
18. Russell #4	0' S, 800' W of NE corner	14	17 S	2 E
19. Russell #2	400' S, 800' W of NE corner	14	17 S	2 E

Notes: All townships are referenced to Mount Diablo Base Line and Meridian.
All sections are projected, except for the location of San Clemente Dam.

**COORDINATES OF
POINTS OF DIVERSION AND INJECTION TO UNDERGROUND STORAGE**

<u>Point of Diversion/ Injection</u>	<u>California Coordinate System of 1927 (CCS27)-- California Zone 4 Northing</u>	<u>Easting</u>
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Dam/Reservoir

San Clemente Dam	412,600 feet North	1,203,650 feet East
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Wells in Carmel Valley Aquifer

1. Cañada	451,600	1,153,800
2. San Carlos	451,250	1,156,600
3. Cypress	447,200	1,163,250
4. Pearce	446,950	1,164,750
5. Schulte	447,000	1,167,850
6. Manor #2	446,050	1,169,950
7. Begonia #2	445,100	1,173,350
8. Berwick #7	444,050	1,173,900
9. Berwick #8	444,100	1,174,700
10. Scarlett #8	444,100	1,179,200
11. Los Laureles #5	439,900	1,187,200
12. Los Laureles #6	439,100	1,188,050
13. West Garzas #4	434,850	1,190,800
14. Garzas Creek #3	433,200	1,191,650
15. Panetta #2	431,700	1,193,350
16. Panetta #1	431,550	1,193,250
17. Robles #3	426,700	1,198,100
18. Russell #4	421,400	1,202,650
19. Russell #2	421,000	1,202,650

Points of Injection to Underground Storage

1. Paso Robles Test Injection Well (PRTIW)	480,600	1,173,300
2. Santa Margarita Test Injection Wells (SMTIW) SMTIW No. 1	480,550	1,173,700
3. SMTIW No. 2	480,850	1,174,150



Alan C. Lloyd, Ph.D.
Agency Secretary



Arnold Schwarzenegger
Governor

State Water Resources Control Board

Division of Water Rights

1001 J Street, 14th Floor ♦ Sacramento, California 95814 ♦ 916.341.5300
Mailing Address: P.O. Box 2000 ♦ Sacramento, California 95812-2000
FAX: 916.341.5400 ♦ www.waterrights.ca.gov

APPLICATION NO. _____
(Leave blank)

UNDERGROUND STORAGE SUPPLEMENT to APPLICATION TO APPROPRIATE WATER BY PERMIT

1. State amount of water to be diverted to underground storage from each point of diversion in item 3b of form APP.
 - a. Maximum Rate of diversions (1) 4.5 (2) _____ (3) _____ cfs
 - b. Maximum Annual Amount (1) 650 (2) _____ (3) _____ acre-feet

2. Describe any works used to divert to offstream spreading grounds or injection wells not identified in item 7 of form APP.
 - a. Cal-Am water treatment, transmission, and distribution system, including Cañada de la Segunda pipeline.
 - b. Injection wells in Seaside Basin.

3. Describe spreading grounds and identify its location and number of acres or location of upstream and downstream limits if onstream.

N/A

4. State depth of groundwater table in spreading grounds or immediate vicinity: N/A
 _____ feet below ground surface on _____ 19 _____ measured at a point located within the _____ ¼ of _____ ¼ of Section _____, T _____, R _____, _____ B&M

5. Give any historic maximum and or minimum depths to the groundwater table in the area.

Location Paralta Well Maximum 384 feet below ground surface on 6/29/97 (date)

Location Playa #3 Well Maximum 53 feet below ground surface on 2/29/96 (date)

6. Describe proposed spreading operation. N/A

6. Describe location, capacity and features of proposed pretreatment facilities and/or injected wells.
 - a. Cal-Am Carmel Valley Filter Plant – maximum capacity 27.9 AF/day
 - b. Begonia Iron Removal Plant – maximum capacity 55.0 AF/day
 - c. Injection Wells – maximum injection capacity 13.2 AF/day

Additional copies of this form and water right information can be obtained at www.waterrights.ca.gov.

8. Reference any available engineering reports, studies, or data on the aquifer involved.
 - a. Reconnaissance-Level Feasibility Study for Seaside Basin Injection/Recovery Project, prepared for MPWMD by Fugro West, Inc., February 1997
 - b. “Summary of Operations, Well Construction and Testing, Seaside Basin Pilot Injection Well,” prepared for MPWMD by Fugro West, Inc., July 1998
 - c. “Summary of Operations Report, Seaside Basin Pilot Injection Well Project,” prepared for MPWMD by Fugro West, Inc., October 1999
 - d. “Summary of Operations, Well Construction and Testing, Santa Margarita Test Injection Well,” prepared for MPWMD by Padre Associates, May 2002
 - e. “Summary of Operations, Water Year 2002 Injection Testing, Santa Margarita Test Injection Well,” prepared for MPWMD by Padre Associates, March 2003
 - f. Summary of Operations, Water Year 2003 Injection Testing, Santa Margarita Test Injection Well,” prepared for MPWMD by Padre Associates, March 2004
 - g. “Summary of Operations, Water Year 2004 Injection Testing, Santa Margarita Test Injection Well,” prepared for MPWMD by Padre Associates, January 2005
 - h. “Summary of Operations, Water Year 2005 Injection Testing, Santa Margarita Test Injection Well,” prepared for MPWMD by Padre Associates, January 2006

9. Describe underground reservoir and attach a map or sketch of its location. The Seaside Basin covers approximately 19 square miles underlying most of the City of Seaside and a portion of the former Fort Ord Military Reservation. The basin contains two main aquifer units, the Paso Robles Formation and the Santa Margarita Sandstone.

10. State estimated storage capacity of underground reservoir. Up to 7,200 AF is available in coastal subareas due to historical storage depletion.

11. Describe existing use of the underground storage reservoir and any proposed change in its use. The Seaside Bssin is presently used for both municipal and non-municipal water supply. No Changes in its use are proposed.

12. Describe the proposed method and location of measurement of water placed into and withdrawn from underground storage.
 - a. Method of flow measurement – All wells are equipped with flow meters.
 - b. Method of water level measurement – Production and dedicated monitor wells will be used to collect either continuous or non-continuous water level records.
 - c. Location – All of the injection wells, production wells, and monitor wells are located within the Seaside Basin

NOTICE OF EXEMPTION

TO: ___ Office of Planning and Research
1400 Tenth Street, Room 121
Sacramento, CA 95814

FROM: Monterey Peninsula Water Mgt. Dist.
P.O. Box 85
Monterey, CA 93942-0085

XX County Clerk--County of Monterey
P.O. Box 29
Salinas, CA 93902

Project Title: *Water Year 2007 Seaside Basin Test Injection Well Project*

Project Location -- Specific: *200 feet east of General Jim Moore Boulevard and 500 feet south of Eucalyptus Rd., Presidio of Monterey Annex (former Fort Ord)*

Project Location -- City: *Seaside (SOI)*

County: *Monterey*

Description of Nature, Purpose and Beneficiaries of Project: *This is a project to further investigate the feasibility of the ground water injection-recovery concept in the Seaside Ground Water Basin. Excess winter flow from the Carmel River will be treated to meet drinking water standards, then transported to the Seaside Basin via the existing California American Water (Cal-Am) pipeline that connects the Carmel Valley and Seaside distribution systems. A full-scale test well (and associated pipeline, valves and power) has been installed into the Santa Margarita Sandstone aquifer zone, and a second injection well is scheduled to be constructed this winter season. Up to 650 acre-feet of water could be injected during the winter rainy season, depending on weather and resultant river flow conditions. After the rainy season, the injected water will be pumped into the Cal-Am distribution system to test recovery efficiency. Extensive monitoring of water levels and quality will be carried out as part of the testing project. The project beneficiaries are Monterey Peninsula water consumers. The project may lead to a long-term water supply project that will help Cal-Am and the community meet the requirements of State Water Resources Control Board Order No. WR 95-10.*

Name of Public Agency Approving Project: *Monterey Peninsula Water Management District (MPWMD)*

Name of Person or Agency Carrying Out Project: *MPWMD*

Exempt Status:

X *Statutory Exemption (Sec. 15262); Feasibility and Planning Studies*

Reason(s) Why Project Is Exempt: *This is a temporary feasibility and planning study to determine whether a permanent, long-term project should be pursued.*

Agency Contact Person	Area Code	Telephone	Extension
Andrew M. Bell	831	658-5620	n/a



Henrietta Stern, MPWMD Project Manager

November 22, 2006

Date