

State of California
State Water Resources Control Board
DIVISION OF WATER RIGHTS

P.O. Box 2000, Sacramento, CA 95812-2000
Info: (916) 341-5300, FAX: (916) 341-5400, Web: <http://www.waterrights.ca.gov>

STATE WATER RIGHTS
Seaside Groundwater
Basin Full-Scale
Injection/Recovery Project
Permit 20808
2009 SEP 4 6 AM 10: 57

PETITION FOR CHANGE
(WATER CODE 1700)

Application 27614 Point of Diversion, 20808 Point of Rediversion, _____ Place of Use, _____ Purpose of Use
Permit _____ License _____ Statement or Other _____

I (we) hereby petition for change(s) noted above and shown on the accompanying map and described as follows:

Point of Diversion or Rediversion (Give coordinate distances from section corner or other ties as allowed by Cal CR 715, and the 40-acre subdivision in which the present & proposed points lie.)

Present New Los Padres Dam, San Clemente Dam, and Carmel Valley Wells (See Attachment 1)

Proposed Add point of diversion on Carmel River and points of injection and place of storage in Seaside Groundwater Basin (See Attachment 2)

Place of Use (If irrigation then state number of acres to be irrigated within each 40-acre tract.)

Present All lands within Monterey Peninsula Water Management District boundary

Proposed No change

Purpose of Use

Present Domestic, industrial, municipal, irrigation, and fish and wildlife

Proposed No change

**PETITION FOR CHANGE TO
APPLICATION 27614 (PERMIT 20808)**

**SEASIDE GROUNDWATER BASIN
FULL-SCALE INJECTION/RECOVERY PROJECT**

PROPOSED AMENDMENTS TO PERMIT CONDITIONS

PERMIT CONDITION (Permit 20808)	AMENDMENT PROPOSED	NOTES
1. States source of water as Carmel River	NO	
2. Lists points of diversion and rediversion	YES	San Clemente Dam is added as a point of diversion.
3. States purpose of use	NO	
4. States place of use	NO	
5. Sets storage and diversion limits	NO	
6. Possible reduction in appropriation is possible in future	NO	
7. Construction shall begin within 4 years of certification of Supplemental EIR for Carmel River Dam Project	YES	Construction shall begin within 4 years of certification of EIR for full-scale injection/recovery project.
8. Construction shall be completed by December 31, 2005	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
9. All authorized water shall be used by December 31, 2020	NO	
10. Progress reports shall be submitted upon request of SWRCB until license issued	NO	
11. Access to project for SWRCB must be allowed	NO	No requests for access received to date.
12. Permit subject to continuing authority of SWRCB	NO	
13. Quantity of water allowed in permit subject to modification	NO	
14. Permit doesn't confer right of access to point of diversion	NO	

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PERMIT CONDITION (Permit 20808)	AMENDMENT PROPOSED	NOTES
15. Permittee's rights are junior to senior right holders	NO	Senior water rights subject to filing deadline, Dec. 29, 1995.
16. Priority of rights shown on Table 13 of Decision #1632	NO	
17. No water diversion until Cal-Am has legal rights, which could include contract for NLP permit	YES	MPWMD proposes to lease or license use of rights under these proposed changes to Cal-Am.
18. DWR-Dam Safety must approve plans for dam	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
19. Provide water conservation plan within one year of permit (or longer); provide progress reports upon request	NO	Conservation plan has been submitted to SWRCB. Other conservation-related actions are reported to SWRCB in MPWMD Annual Report and Carmel River Mitigation Program Annual Report.
20. Permittee shall prepare Erosion Control Plan (no deadline mentioned)	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
21. No work started or diversions until CDFG 1601-03 permit	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
22. Prior to construction, develop channel, riparian monitoring program with CDFG; 20 year term; prepare annual reports; correct situation if adverse trends observed	YES	Suspend condition. This condition is not applicable to the proposed permit changes. However, riparian monitoring occurs presently as part of MPWMD Carmel River Mitigation Program. Annual Reports are sent to SWRCB.
23. Prior to construction, comply with RWQCB requirements; final report per CWC 13260; implement during construction	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
24. Install multilevel intake for dam outlet works; temp control; aeration; CDFG approval required	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
25. Acquire rights to 380 acres in dam vicinity for mixed hardwood/woodland	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
26. Implement Valley Oak Mitigation Plan in EIR/EIS	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
27. Implement Construction Staging Area Mitigation Plan in EIR/EIS	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
28. Finalize Riparian/Wetland Plan; obtain		Suspend condition. This condition is not

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PERMIT CONDITION (Permit 20808)	AMENDMENT PROPOSED	NOTES
approval; commence within one year prior to beginning of construction	YES	applicable to the proposed permit changes.
29. Prior to construction, collect flower seeds, store, and apply upon completion of construction	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
30. Keep riparian irrigation equipment in good working order; ready when needed	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
31. Implement Wildlife Habitat Monitoring Program until license; submit reports annually; possible future action needed	NO	Ongoing; study results are summarized in MPWMD Mitigation Program Annual Reports sent to SWRCB.
32. Prior to construction, finalize Spawning Habitat Mitigation Plan; implement upon approval by agencies	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
33. During final design, prior to bids, finalize Steelhead Fisheries Mitigation Plan and set numerical goal; implement plan	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
34. Maintain flows in Tables A-C of permit	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
35. Once project is operational, maintain limits to Cal-Am filter plant diversions	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
36. Install and operate continuous gages at five locations	YES	Suspend condition. This condition is not applicable to the proposed permit changes. However, three of these gages have been installed and are in operation. The other two are to be located at fish screening facilities for New Los Padres Dam and Reservoir, if that project is constructed.
37. Submit annual reports on mean daily flows at the five locations	YES	Suspend condition. This condition is not applicable to the proposed permit changes. However, see notes for Condition 36 regarding current activities.
38. Ramping requirement per Table A	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
39. Until project operational, continue MOA process with Cal-Am, CDFG	NO	Ongoing. MOA process is in place.
40. Implement fisheries measures in Five-Year Mitigation Plan	NO	Ongoing. MPWMD Mitigation Program continues to be carried out. Annual Reports are provided to SWRCB.
41. Design fish passage facilities with		Suspend condition. This condition is not

PERMIT CONDITION (Permit 20808)	AMENDMENT PROPOSED	NOTES
CDFG; SWRCB to approve prior to construction; permittee funds; develop and execute MOU for operation; records; annual report to SWRCB	YES	applicable to the proposed permit changes.
42. Develop Remedial Action Plan with CDFG and NMFS re: passage; more flow req'ment possible if remedies don't work	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
43. Need formal Biological Opinion for steelhead if listed (prior to construction)	YES	Suspend condition. This condition is not applicable to the proposed permit changes. However, MPWMD will incorporate status into the EIR/EIS currently being prepared for the MPWMD Water Supply Project.
44. Prior to construction, perform more instream flow studies with CDFG guidance; flow requirements could change	NO	Additional habitat modeling, analysis of data for Pine Creek critical riffle, and additional habitat modeling downstream of Carmel River Dam is ongoing.
45. During final design, prior to bids, document adequate funding; committed	YES	Suspend condition. This condition is not applicable to the proposed permit changes.
46. With CDFG, study success of fish rescues; submit results (no time given)	NO	Effectiveness of 1996 rescues monitored; reported in 1991-1995 Mitigation Program Evaluation provided to SWRCB.
47. Annually monitor volume of lagoon and actual sand transport; annual reports to SWRCB, CDFG, CDPR; 20 year monitoring; possible actions needed (start date unclear, assume need for pre/post-construction data)	NO	Annual monitoring is ongoing. Data are reported in Annual Report for MPWMD Mitigation Program, provided to SWRCB.
48. Adhere to Programmatic Agreement (PA) dated May 2, 1995 for section 106 of NHPA; any modifications to PA need SWRCB approval	YES	Suspend condition. See PA for requirements; all HPTP and HPMP must be done prior to construction. However, this condition is not applicable to the proposed permit changes.
49. Implement mitigation measures that result from PA/106 process	YES	Suspend condition. However, this condition is not applicable to the proposed permit changes. Refer to PA; final design through operation.
50. Submit annual progress report on cultural resources activities until work completed or permit licensed	YES	Suspend condition. However, this condition is not applicable to the proposed permit changes.
51. SWRCB reserve jurisdiction on cultural resources; could require more mitigation measures beyond PA/106	YES	Suspend condition. However, this condition is not applicable to the proposed permit changes.

PERMIT CONDITION (Permit 20808)	AMENDMENT PROPOSED	NOTES
process		
52. Include Native Americans as participants in 106 process as specified in PA	YES	Suspend condition. However, this condition is not applicable to the proposed permit changes.
53. Any mitigation measures for 106 process subject to SWRCB approval	YES	Suspend condition. However, this condition is not applicable to the proposed permit changes.

Full-Scale Injection/Recovery Project
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STATE WATER RESOURCES CONTROL BOARD

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DIVISION OF WATER RIGHTS
SACRAMENTO

STATE OF CALIFORNIA
State Water Resources Control Board
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901 P Street, Sacramento, Ca 95814
P.O. Box 2000, Sacramento, CA 95812-2000
(916) 657-2170 FAX: (916) 657-1485

**UNDERGROUND STORAGE SUPPLEMENT
to APPLICATION TO APPROPRIATE WATER BY PERMIT**

1. State amount of water to be diverted to underground storage from each pint of diversion in item 3b of form WR1. Total diversion from San Clemente Dam and wells in Carmel Valley Aquifer:

a. Maximum Rate of diversions	(1) <u>20.0</u>	(2) _____	(3) _____	cfs
b. Maximum Annual Amount	(1) <u>7,300</u>	(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 WR1.

a.	Cal-Am water treatment, transmission and distribution system, including Cañada de la Segunda pipeline.
b.	Injection wells in Seaside Groundwater 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 1/4 of 1/4 of Section T R B&M.

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

Location	<u>Paralta Well</u>	Maximum	<u>391</u>	Feet below ground surface on	<u>5/27/99</u>	(date)
Location	<u>Playa #3 Well</u>	Minimum	<u>50</u>	Feet below ground surface on	<u>4/26/01</u>	(date)

6. Describe proposed spreading operation. N/A

7. Describe location, capacity and features of proposed pretreatment facilities and/or injection 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– anticipated maximum capacity 39.8 AF/day (20.0 cfs)

8. Reference any available engineering reports, studies or data on the aquifer involved.

a.	"Summary of Operations, Well Construction and Testing, Seaside Basin Pilot Injection Well", prepared for MPWMD by Fugro West, Inc., July 1998.
b.	"Summary of Operations Report, Seaside Pilot Injection Well Project, Monterey, California", prepared for MPWMD by Fugro West, Inc., October 1999
c.	"Summary of Operations, Well Construction and Testing, Santa Margarita Test Injection Well", prepared for MPWMD by Padre Associates, Inc., May 2002

9. Describe underground reservoir and attach a map or sketch of its location.

Seaside Basin covers approximately 24 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.

PETITION FOR CHANGE
Seaside Groundwater Basin
Full-Scale Injection/Recovery Project

10. State estimated storage capacity of underground reservoir.
The Seaside Groundwater Basin storage capacity available in the area of this project is estimated to be up to 35,000 AF.
-
11. Describe existing use of the underground storage reservoir and any proposed change in its use.
Seaside Basin 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 to be 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 – The injection wells and all production and monitor wells are located within the Seaside Groundwater Basin

PETITION FOR CHANGE
TO APPLICATION 27614 (PERMIT 20808)

SEASIDE GROUNDWATER BASIN
FULL-SCALE INJECTION/RECOVERY PROJECT

FORM PET-ENV, ENVIRONMENTAL INFORMATION FOR PETITIONS

ITEM 1. DESCRIPTION OF CHANGES TO PROJECT

The Monterey Peninsula Water Management District (MPWMD) proposes to construct and operate a groundwater injection and recovery project in the Seaside Groundwater Basin. Surplus flows from the Carmel River will be conveyed through the California-American Water Company's system for injection in the Seaside Groundwater Basin. Added diversion and storage rights are requested to divert Carmel River surface flows and to store and recover the injected water for municipal purposes within the MPWMD boundary.

Locations of the proposed points of injection to underground storage and place of underground storage in the Seaside Groundwater Basin are listed in Attachment 2 to the Petition for Change. They are also depicted on the Project Map, dated September 2003, Sheet 1, and on Sheet 2, Figures 1 and 2.

The project facilities include pipelines and a pump station to be connected to the California-American Water Company's municipal water distribution system. These facilities are depicted on the Project Map, dated September 2003, Sheet 2, Figures 3 and 4.

The quantities and season of diversion and storage are as follows:

Maximum diversion rate:	20.0 cubic feet per second (9,000 gallons per minute)
Maximum diversion amount:	7,300 acre-feet per annum
Season of diversion and storage:	December 1 through May 31 of the following year (183 days)

GOVERNMENTAL REQUIREMENTS

Before a final decision can be made on your change petition, we must consider the information contained in an environmental document prepared in compliance with the requirements of CEQA. If an environmental document has been prepared for your proposed changes by another agency, we must consider it. If one has not been prepared, a determination must be made as to who is responsible for the preparation of the environmental document for your change petition. The following questions are designed to aid us in that determination.

2. Contact your county planning or public works department for the following information:

- a. Person contacted Linda Weiland Date of contact July 16, 1997
Department Monterey County Planning Dept. Telephone (831) 755-5306
- b. Assessor's Parcel No. Various
- c. County Zoning Designation Various
- d. Are any county permits required for your proposed changes? _____
If yes, check appropriate space below:
_____ Grading Permit, _____ Use Permit, _____ Watercourse
Obstruction Permit, _____ Change of Zoning, _____ General Plan
Change, Other (explain):
Water well construction permit
- e. Have you obtained any of the required permits described above? Yes
If yes, provide a complete copy of each permit obtained.

3. Are any additional state or federal permits required for your proposed changes? Yes (i.e., from Federal Energy Regulatory Commission, U.S. Forest Service, Bureau of Land Management, Soil Conservation Service, Department of Water Resources (Division of Safety of Dams), Reclamation Board, Coastal Commission, State Lands Commission, etc.) For each agency from which a permit is required provide the following information:

Permit type Water System Permit Amendment
Person (s) contacted Betsy S. Lichti, P.E. Agency California Dept. of Health Services
Date of contact May 2002 Telephone (831) 655-6939

4. Has any public agency prepared an environmental document for any aspect of your proposed changes? Yes

If so, please submit a copy of the latest environmental document (s) prepared, including a copy of the notice of determination adopted by the public agency. If not, explain below whether you expect that a public agency other than the State Water Resources Control Board will be preparing an environmental document for your change petition or whether the applicant, if it is a California public agency, will be preparing the environmental document for your change petition:

Applicant has completed the CEQA process for the pilot injection well and Seaside Basin Injection Well No. 1. These documents have been submitted to the SWRCB. SWRCB will be provided copies of all environmental documents prepared for the full-scale injection/recovery project.

Note: When completed, please submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Resources Control Board. Processing of your change petition cannot proceed until such documents are submitted.

5. Will your proposed changes, during construction or operation, generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or cause erosion, turbidity or sedimentation? No If so, explain: _____

If yes or you are unsure of your answer, contact your local Regional Water Quality Control Board for the following information (See attachment for address and telephone number):

Will a waste discharge permit be required for your petition? _____

Person contacted _____ Date of contact _____

What method of treatment and disposal will be used? _____

6. Have any archeological reports been prepared on this project, or will you be preparing an archeological report to satisfy another public agency? No

Do you know of any archeological or historic sites located within the general project area?

No If so, explain: _____

ENVIRONMENTAL SETTING

7. Attach **THREE COMPLETE SETS** of color photographs, clearly dated and labeled, showing the vegetation currently existing at the following locations:

- a. Along the stream channel immediately downstream from the proposed point(s) of diversion
- b. Along the stream channel immediately upstream from the proposed point(s) of diversion
- c. At the place(s) where the water is to be used

Note: It is very important that you submit no less than three complete sets of photographs as required above. If less than three sets are submitted, processing of your change petition will be delayed until you furnish the remaining sets!

8. From the list given below, mark or circle the general plant community types which best describe those which occur within you project area (Note: See footnote denoted by * under Question 11 below):

Tree Dominated Communities

- Subalpine Conifer
- Red Fir
- Lodgepole Pine
- Mixed Conifer
 - Sierran Mixed Conifer
 - White Fir
 - Klamath Mixed Conifer
- Douglas-Fir
- Jeffrey Pine
- Ponderosa Pine
- Eastside Pine
- Redwood
- Pinyon-Juniper
- Juniper
- Aspen
- Closed-Cone Pine-Cypress
- Montane Hardwood-Conifer
- Montane Hardwood
- Valley Foothill Hardwood
 - Blue Oak Woodland
 - Valley Oak Woodland
 - Coastal Oak Woodland
- Valley Foothill Hardwood-Conifer
 - Blue Oak-Digger Pine
- Eucalyptus
- Montane Riparian
- Valley Foothill Riparian
- Desert Riparian
- Palm Oasis
- Joshua Tree

Shrub Dominated Communities

- Alpine Dwarf-Shrub
- Low Sage
- Bitterbrush
- Sagebrush
- Montane Chaparral
- Mixed Chaparral
- Chamise-Redshank Chaparral
- Coastal Scrub
- Desert Succulent Shrub
- Desert Wash
- Desert Scrub
- Alkali Desert Scrub

Herbaceous Dominated Communities

- Annual Grassland
- Perennial Grassland
- Wet Meadow
- Fresh Emergent Wetland
- Saline Emergent Wetland
- Pasture

Aquatic Communities

- Riverine
- Lacustrine
- Estuarine
- Marine

Developed Communities

- Cropland
- Orchard-Vineyard
- Urban

Literature source: Mayer, K.E., and W.F. Laudenslayer, Jr., (eds). 1988. A Guide to Wildlife Habitats of California. California Department of Forestry and Fire Protection, Sacramento. 166 pp. (Note: You may view a copy of this document at our public counter at the address given

at the top of this form or you may purchase a copy by calling the California Department of Fish and Game, Wildlife Habitat Relationships (WHR) Program at (916) 653-7203.

9. Provide below an estimate of the type, number, and size (trunk/stem diameter at chest height) of trees and large shrubs that are planned to be removed or destroyed due to implementation of the proposed changes. Consider all aspects of your change petition, including changes in diversion structures, water distribution and use facilities, and changes in the place of use due to additional water development.

Will provide with environmental compliance information.

FISH AND WILDLIFE CONCERNS

10. Identify the typical species of fish which occur in the source(s) from which you propose to divert water and discuss whether or not any of these fish species or their habitat has been or would be affected by your proposed changes. (Note: See footnote denoted by * under Question 11 below):

Steelhead and others. Refer to Final EIR/EIS for Monterey Peninsula Water Supply Project (March 1994), Chapter 8 (Fish and Aquatic Life) and Draft Supplemental EIR for the Carmel River Dam and Reservoir Project (November 1998), Appendix D (fish and Aquatic Life), for descriptions of existing fish resources in the Carmel River. None of these resources would be affected by the proposed diversion and storage.

11. Identify the typical species of riparian and terrestrial wildlife in the area and discuss whether or not any of these species and/or their habitat has been or would be affected by your proposed changes through construction of additional water diversion and distribution works and/or changes in land use in the place of water use. (Note: See footnote denoted by * below):

California-red-legged frog and others. Refer to Final EIR/EIS for the Monterey Peninsula Water Supply Project (March 1994), Chapter 9 (Vegetation and Terrestrial Wildlife), and Draft Supplemental EIR for the Carmel River Dam and Reservoir Project (November 1998), Appendix E (Vegetation and Terrestrial Wildlife update), for descriptions of existing riparian and terrestrial wildlife in the Carmel River. None of these resources would be affected by the proposed diversion and storage.

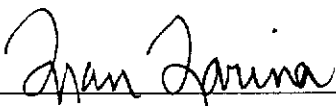
*Note: The purposes of Question 10 and 11 are to provide a preliminary assessment of the presence of typical plant and animal species in the area and whether these species might be affected by your proposed changes. Detailed site surveys to quantify populations of specific species or determine the presence of rare or endangered species may be required at a later date. It is very important that you answer these questions accurately. If you are unable to obtain appropriate answers from your local California Department of Fish and Game biologists (See attachment for address and telephone number) or you do not have adequate information or expertise to complete your answers, you should hire a fishery consultant and/or a wildlife consultant to review your project and prepare suitable answers for you. For information on available qualified fishery or wildlife consultants near you, consult your local telephone directory yellow pages under Environmental and Ecological Services, or call the California Environmental Protection Agency, Registered Environmental Assessor (REA) Program, at (916) 324-6881 or the University of California, Cooperative Extension Service (See your local telephone directory white pages).

12. Do your proposed changes involve any construction or grading-related activity which has significantly altered or would significantly alter the bed or bank of any stream or lake? No

If so, explain: _____

CERTIFICATION

I hereby certify that the statements I have furnished above and in the attached exhibits are complete to the best of my ability, and that the facts, statements, and information presented are true and correct to the best of my knowledge.

Date September 12, 2003 Signature 
Fran Farina, Acting General Manager