

LISTING OF HYDROGEOLOGIC REPORTS AND KEY TECHNICAL CORRESPONDENCE

RYAN RANCH WATER SUPPLY SYSTEM

Date	Prepared by	Prepared for	Subject or Title	Remarks
2/1981	John Logan	Wallace Holm Architects, Inc.	Ryan Ranch's Water Supply	Report evaluates system supply at 158 acre-feet per year (AFY) production; 144 AFY demand (10% system losses); recommends 4 production wells operating at maximum of 50% utilization.
4/21/1981	John Logan	Wallace Holm Architects, Inc.	Ground-water Monitoring for Ryan Ranch	Letter regarding groundwater monitoring.
5/15/1981	Kenneth Schmidt	MPWMD	Review of Ryan Ranch's Water Supply Report by John Logan (February 1981)	Report reviews Logan Feb 1981 report. Requests additional analysis to demonstrate adequate supply.
5/27/1981	John Logan	Wallace Holm Architects, Inc.	Comment on Schmidt's Review	Letter regarding proposed drilling and testing to demonstrate supply.
6/27/1981	John Logan	Wallace Holm Architects, Inc.	Additional Investigation of Ryan Ranch's Water Supply	Report addresses MPWMD (Schmidt) and MCHD reviews of Logan Feb 1981 report; includes pumping test results of RR-7 and 8.
7/13/1981	Kenneth Schmidt	MPWMD	Ryan Ranch Water Supply	Letter requests additional analyses be provided.
7/17/1981	John Logan	Wallace Holm Architects, Inc.	Additional Investigations of Ryan Ranch's Water Supply, Addenda of 17 July 1981	Report responds to Schmidt 7/13/1981 letter; includes additional analysis and interpretation.
8/6/1981	Kenneth Schmidt	MPWMD	Ryan Ranch Water Supply	Letter report reviews Logan 6/27/1981 and 7/17/1981 reports. Concludes that ~97,000 GPD available (i.e., 109 AFY); estimate could be improved through monitoring during early system development.
8/12/1981	John Logan	Wallace Holm Architects, Inc.	Comments on Ryan Ranch's Water Supply	Letter responds to Schmidt 8/6/1981 review. Revises proposed system demand to 59 AFY (includes 10% losses).
8/24/1981	Walter Wong	City of Monterey	Ryan Ranch Water Supply	Letter from MCHD (W. Wong) recommends approval of source at 90,000 GPD (i.e., 101 AFY), subject to conditions, including completion of percolation study and ultimate tie-in with Laguna Seca water system.
6/4/1982	John Logan	Wallace Holm Architects, Inc.	Percolation at Ryan Ranch	Report responds to MCHD 8/24/1981 request for deep percolation study.
12/13/1982	MPWMD Board	MPWMD Board	approves creation of Ryan Ranch WDS	Approved for system capacity of 60 AFY, 30 connections, 3 production wells in system.
9/24/1984	MPWMD Board	MPWMD Board	approves expansion of Ryan Ranch WDS	Approved for increase in system capacity to 100.5 AFY; add Well #2 and 5, for a total of 5 production wells in system.

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6/1/1988	Staal, Gardner & Dunne	Spieker Partners	Water Allocation Assessment, Monterey Research Park, Laguna Seca Area	Report provides current well capacity of system (120 GPM), and demand projections of 150 to 200 AFY.
11/1/1988	Staal, Gardner & Dunne	Nueville Company, N.V.	Supplemental Hydrogeologic Assessment, Monterey Research Park, Laguna Seca Subarea	Report updates current production well capacity of system (150 GPM), and projected demand up to 250 AFY. Recommends drilling two new wells to increase system production reliability.
2/1/1989	Staal, Gardner & Dunne	Nueville Company, N.V.	Hydrogeologic Assessment, Ryan Ranch Mutual Water Company, Construction of Well Nos. 9 and 10	Report documents construction of two wells (one new and one replacement), updates current production well capacity of system (300 GPM), and projected demand between 150 and 175 AFY.
4/10/1989	MPWMD Board approves expansion of Ryan Ranch WDS			Approved for increase in system capacity to 175 AFY, and expansion capacity to 190 connections; 5 production wells in system.
11/13/1989	MPWMD Board approves annexation of Ryan Ranch WDS into CAW service territory			Approved for annexation as a separate operable unit from the main CAW system, with an emergency intertie connection; no change to system capacity of 175 AFY, and expansion capacity of 190 connections.
11/2003	Norris Associates and Martin Feeney	California American Water	Ryan Ranch Water System, Demand and Capacity Analysis	Report responds to 8/28/2003 MCHD letter requesting an Engineering Report to address how system will meet existing and future demand. Updates current well capacity of system (161 GPM) and compares existing capacity to current and projected demand. Recommends supply augmentation to increase system water supply.
6/27/2006	Martin Feeney	California American Water	Ryan Ranch Water System Supply Options - Reconnaissance Level Feasibility Review	Report responds to 4/3/2006 MCHD letter and Compliance Order requiring a plan for the needed improvements to ensure adequate supply. Updates current well capacity of system (121 GPM) and compares existing capacity to current and projected demand. Recommends measures to increase system water supply.