

4.

4 RECOMMENDATIONS FOR FUTURE ACTIVITIES AND ESTIMATED BUDGET

4.1 Recommendations for Future Activities

The following sections delineate recommendations for future activities to be conducted during 2009 and brief discussions of programs for the Management Plan area. They include activities specific to the Management Plan area as well as planned general activities by EMWD within the management zones.

4.1.a Continue the Groundwater Quality and Water Level Monitoring Programs.

Available wells should be sampled to assess water quality, and available wells should be measured for water level to provide a comprehensive dataset of water elevations and direction of flow. In accordance with the monitoring programs, well owners should be provided copies of water quality analyses and water level measurements on an annual basis.

4.1.b Continue the Groundwater Extraction Monitoring Program.

Available wells should be monitored for groundwater extraction. It is believed that all significant groundwater extraction wells within the Plan area are accounted for, and extraction figures are the most comprehensive figures available. However, groundwater extraction for any well owners not participating in the program is estimated, and estimation methods are continually refined.

4.1.c Continue the Inactive Well Capping/Sealing Program.

Identified inactive extraction wells should be capped/sealed. This program protects groundwater supplies from surface contamination and reduces liability related to open casing. Inactive, unused wells are a direct potential pathway from the ground surface to the groundwater that may result in groundwater contamination. Open casings are especially vulnerable to contamination from surface flows or vandalism such as the

dumping of oil or other waste products. Large, open casings present a potential hazard to animals and small children. Much of the time, unused well heads will be overgrown with weeds and present an unseen hole that small animals or children may fall into and become trapped.

4.1.d Continue Providing Annual Reports to Well Owners Participating in the Groundwater Monitoring Programs.

Continue providing annual statements of groundwater extraction resulting from the Extraction Monitoring Program to participating well owners in order to assist them in filing annual recordation notices of extraction. Continue to provide necessary forms for filing of First Notices for new wells not previously recorded.

Continue providing statements of bi-annual water level measurements and copies of annual water quality sampling results to participating well owners.

4.1.e Continue Monthly Reports to the Advisory Committee

Monthly status reports are provided to Advisory Committee members in lieu of holding more frequent informational meetings. At the March 29, 2004 meeting, the Committee agreed to hold an annual meeting to review and approve the annual report and hold other meetings for specific purposes. The additional meetings are to be set either by the Advisory Committee or requested by EMWD. Monthly status reports to the Advisory Committee will be continued.

4.1.f Continue to Pursue Potential State or Federal Funding Sources for the Benefit of the Management Plan area.

EMWD will continue to monitor potential State and Federal funding sources for construction project subsidies, studies, or groundwater management grant opportunities and pursue securing funds whenever possible.

4.1.g Continue the re-organization of the Annual Report.

EMWD will continue to re-organize the structure and content of the Annual Report in order to make it a more useful and standardized technical document.

4.1.h Continue EMWD's Groundwater Salinity Management Program

Perris Basin Desalination Program

EMWD plans to continue operating the Menifee and Perris Desalters.

Perris II Desalter

EMWD plans to continue the design efforts of the Perris II Desalter.

Iron and Manganese Removal Facilities

EMWD plans to begin construction of the iron and manganese removal facilities at the Menifee Desalter site.

Brine Concentrate and Management Study

EMWD plans to continue bench-scale modeling and pilot-scale testing of technologies to further concentrate the brine from the desalters and increase the recovery of potable water for the Groundwater Salinity Management Program.

Quantification of Nitrogen Removal under Recycled Water Recharge Ponds

EMWD will continue to conduct quarterly monitoring in accordance with the protocols followed in the Quantification of Nitrogen Removal under Recycled Water Recharge Ponds study.

Regional Brine Lines

EMWD plans to develop regional brine lines; one north from Sun City to Moreno Valley, and one south from Sun City to Temecula.

4.1.i Continue the Operation of the North San Jacinto Water Supply Initiative.

EMWD plans to continue operating the facilities to serve raw water to the stakeholders in the program.

4.1.j Support EMWD's Participation in Regional Activities.

Basin Monitoring Task Force

EMWD will continue participation on the Basin Monitoring Task Force.

Total Maximum Daily Loading

EMWD plans to continue participation on the Task Force for the implementation of the Canyon Lake and Lake Elsinore TMDL. EMWD also plans to continue participation in the Lagoon TMDL Task Force for the Santa Margarita River.

Western Riverside County Agricultural Coalition

EMWD will support the Coalition and intends to continue providing technical assistance to the committee as needed.

San Jacinto Watershed Council

EMWD will continue to support the activities of the Council and provide services when necessary.

March Air Reserve Base Groundwater Modeling Effort

EMWD and MARB plan to maintain participation in a data exchange program to substantially support the goals of each agency.

4.1.k Support the Design and Implementation of EMWD's Key Well Program.

EMWD plans to continue the development and implementation of a Key Well Program.

4.1.l Hold Elections for Two Positions on the Advisory Committee

In accordance with the Advisory Committee Procedures and Guidelines, each Committee Member serves a two-year term. The current terms will expire in August 2009. Cities and water purveyors that appoint their representatives should do so again. The private groundwater producers elect their two representatives and nominations and elections should be held to ensure continuation of the Committee's activities. Following the election/appointment of the new Committee, a Chairman and Vice-Chairman should be elected.

4.2 Fiscal Year 2008/2009 Estimated Budget

Table 4-1 contains the estimated budget to support the Management Plan activities for fiscal year 2008/2009. The total budget is estimated to be \$112,000. Table 4-2 lists budgets and expected completion dates of additional activities undertaken by EMWD within or affecting the Management Plan area. Some of the items listed will be funded with grant monies.

Table 4-1: Fiscal Year 2008/2009 Estimated Budget

GROUNDWATER MANAGEMENT PLAN ACTIVITY	Estimated Annual Cost
Groundwater Level Monitoring Program – Measuring	\$ 7,000
Groundwater Quality Monitoring Program – Sampling	27,000
Laboratory Costs	21,000
Groundwater Extraction Monitoring Program – Meter Reading	9,000
Meter Repair & Maintenance	15,000
Well Capping/Sealing Program	2,000
Mailing and Photocopying	1,000
Staff Support/Report Development	30,000
TOTAL FY 2007/2008 ESTIMATED BUDGET	\$ 112,000

Table 4-2: Current EMWD Projects within or affecting the Management Plan area

PROJECT	Approximate Cost	Expected Completion Date
Brine Management Study Phase II	\$ 1,000,000	Sep 2009
Iron and Manganese Removal Facilities	\$ 17,000,000	Aug 2011
Perris Valley RWRF Expansion to 22 MGD	\$180,000,000	May 2011
Perris II Desalter and Wells	\$ 45,000,000	Oct 2011
Moreno Valley RWRF Expansion to 21 MGD	\$180,000,000	Jun 2013
Moreno Valley Brine Line	\$ 9,800,000	Oct 2014
Perris Water Filtration Plant Expansion to 30 MGD	\$ 25,000,000	Apr 2018
Total	\$457,800,000	