

WEST BASIN MUNICIPAL WATER DISTRICT

NOVEMBER 17, 2005 – Water Resources
Little, Baker

NOVEMBER 28, 2005 – Board Meeting

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Approved by: Richard Nagel

INFORMATION CALENDAR

POTENTIAL ADDITIONAL PROCESS FOR EXXON MOBIL BOILERFEED

SUMMARY:

Exxon Mobil is preparing a preliminary, “pre-screening” study to see whether second pass reverse osmosis (RO) is cost-effective compared to their primary demineralizers. The second pass RO Train would be constructed at or near the District’s Boilerfeed Plant. It would further treat the recycled water that is currently treated using microfiltration and RO prior to delivery to Exxon Mobil’s primary demineralizers. If second pass RO looks cost-effective, it would replace Exxon Mobil’s primary demineralizers. This project would not increase the amount of recycled water sold to Exxon Mobil, but would greatly improve the quality of water being sold. Staff has been assisting Exxon Mobil with some preliminary costs and water quality information. Staff estimates it would cost approximately \$6 million to construct the second pass RO Train.

If based on this preliminary study, the economics of second pass RO looks favorable, Exxon Mobil would initiate additional evaluations as required by their project system. Generally, this would involve a screening phase in which the most attractive technologies are evaluated in more detail, then a lead alternative is identified and recommended for approval. Following approval of the lead alternative, Exxon Mobil would proceed with the design engineering phase. The initial preliminary study is anticipated to be complete by the end of the year or early 2006.

FISCAL IMPACTS:

Not applicable.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on November 17, 2005 and was agendaized to the November 28, 2005 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

LIST OF EXHIBITS:

None.