

**MEETING DATE** July 10 2006

**AGENDA ITEM** Consideration to Award a Professional Services Contract to CDM (Camp Dresser & McKee Inc ) for the Marina del Rey Harbor Mothers' Beach and Back Basins Bacterial Total Maximum Daily Load Quantitative Analysis Project (P-497)

**ATTACHMENTS**

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# **Draft Scope of Work**

## **Marina del Rey Bacteria TMDL – Quantitative Analysis**

CDM is pleased to provide professional services to prepare a report that responds to the Regional Board's request for additional information from responsible jurisdictions regarding implementation of the Marina del Rey ("MDR") Harbor Mothers' Beach and Back Basins Bacteria TMDL. CDM will prepare a report for the MDR Jurisdictional Group responding to the following three (3) areas of investigation

- 1 For the applicable 90<sup>th</sup> percentile year, determine the targeted reductions for bacteria associated with the final waste load allocations established by the wet weather TMDL. To estimate the degree of bacteria reduction (total coliform, fecal coliform and enterococcus) associated with the targets established by the TMDL, consultant will use existing MDR Jurisdictional Group watershed flow and bacteria concentration data associated with pipes, storm drains or waterbodies that directly discharge stormwater runoff to back basins and beach areas within the jurisdiction
- 2 For each drain and compliance monitoring location within the MDR jurisdiction, determine the estimated water quality benefits associated with the proposed structural and non-structural BMPs that are planned for implementation during Phase I and II of the wet weather implementation schedule. Consultant will provide an estimate of the expected water quality benefits (defined as reductions in exceedance days and bacteria concentrations and loads) associated with the structural and non-structural BMPs that have been proposed for implementation during Phase I and II of the wet weather implementation schedule. Consultant will provide estimate which relies on (1) readily available national or regional BMP effectiveness studies that provide data on the linkage between BMPs and bacteria reduction, and (2) available flow, tidal mixing and water quality data. Where data (e.g., BMP effectiveness) are unavailable, the water quality benefit estimates will rely on best professional judgment with clearly stated assumptions that provide the basis for the estimate
- 3 Determine the integrated water resource benefits of the proposed structural and non-structural BMPs planned to be implemented during Phase I and II of the wet weather implementation schedule. Consultant will provide an estimate of the integrated water resource benefits (including beneficial reuse, groundwater recharged and reduction of other non-bacteria pollutants) that are expected within the MDR jurisdiction by the implementation of proposed structural and nonstructural BMPs during Phase I and II of the wet weather implementation schedule. Reduction estimates will be based on readily available national and regional data on BMP effectiveness for pollutant removal and the reduction in loadings expected from reduced flow to the back basins as a result of implementation of BMPs that divert water to beneficial reuse or groundwater recharge. Where data (e.g., BMP effectiveness, water quality or flow) are unavailable, the estimate will rely on best professional judgment with clearly stated assumptions that provide the basis for the estimate