



**TDS/NITROGEN MANAGEMENT PLAN  
FOR THE SANTA ANA RIVER BASIN  
*MONITORING AND ANALYSES REQUIREMENTS***

**ADDENDUM TO REQUEST FOR PROPOSAL  
FOR  
CONSULTING SERVICES  
FOR  
SANTA ANA RIVER WASTE LOAD ALLOCATION MODEL  
UPDATE**

**NOVEMBER 28, 2016**

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**ADDENDUM TO REQUEST FOR PROPOSAL FOR CONSULTING SERVICES  
FOR  
SANTA ANA RIVER WASTE LOAD ALLOCATION MODEL UPDATE**

**RFP SECTION 3**

**1. ARE THERE OBJECTIVES OTHER THAN THE “PRIMARY OBJECTIVE” THAT WOULD BE USEFUL TO KNOW TO PREPARE A COMPLETE PROPOSAL?**

Other objectives of this project include: (a) expanding the current WLAM to include Reach-2 of the Santa Ana River overlying the Orange County Groundwater Management Zone; (b) expanding the current WLAM to include major wastewater percolation basins; and (c) adding enhanced reporting requirements to the current WLAM (e.g. additional averaging periods, mass and volume calculations, and off-channel recharge of natural precipitation). Finally, the Task Force is also interested in developing two new tools as described in Task 6 and Task 7.

**RFP SECTION 4**

**TASK 2**

**2. REVIEW OF THE OCWD RECHARGE FACILITIES MODEL (RFM) SUGGEST THE ABILITY TO ACCEPT STORMWATER DISCHARGES FROM THE WATERSHED TRIBUTARY TO REACH 2 DOWNSTREAM OF PRADO DAM BUT DATA SETS PROVIDED FROM THE SAWPA WEBSITE DID NOT CONTAIN DATA FOR THESE INFLOWS. DOES THE OCWD HAS AN ANCILLARY WATERSHED MODEL THAT IT USES TO FEED THE STORM AND OR LOCALLY DERIVED DRY-WEATHER DISCHARGES INTO THE RFM. AND, IF SO CAN YOU PROVIDE THE MODEL AND DATASETS?**

The stormwater inflows that are accounted for in the RFM include Santiago Creek inflows and the portion of the SAR from below Prado Dam to Imperial Highway. For stormwater inflow into OCWD’s Santiago Basin from Santiago Creek, the RFM includes an estimate of historical inflows; the RFM also has an option for user-defined inflows. Stormwater inflows to the SAR from below Prado Dam to Imperial Highway in Anaheim were estimated using a relatively simple runoff model (see attached .pdf file); the RFM also has an option to specify user defined inflows for the portion of the SAR from Prado Dam to Imperial Highway. The current RFM does not include dry-weather discharges for the portion of the SAR from below Prado Dam to Imperial Highway.

**3. IS THERE A WATER QUALITY MODULE FOR THE RFM AND IF SO CAN YOU PROVIDE THE MODEL AND DATASETS?**

There is no water quality module for the RFM.

**4. ARE THERE OTHER DOCUMENTS THAT CAN BE PROVIDED THAT DESCRIBE THE COMPLETE FUNCTIONALITY AND MOST RECENT CALIBRATION OF THE RFM AND IF SO CAN YOU PROVIDE THEM?**

The RFM model guide and RFM model documentation provided with the RFM and available as a reference in the RFP are the most up-to-date documentation available for the RFM.

**TASK 4**

**5. NOTE THAT THE INTRO TO TASK 4 CITES RECYCLED WATER RECHARGE AND DAIRY WASH WATER PONDS FACILITIES IN THE BUNKER HILL B, CHINO NORTH AND TEMESCAL GMZ. AND, TASK 4D WANTS THE WORK SUMMARIZED ALONG WITH WLAM PROJECTIONS FROM TASK 3C AND TABULATED FOR THE “CHINO NORTH, CHINO SOUTH, BUNKER HILL A, BUNKER HILL B AND RIVERSIDE A” PLEASE CLARIFY.**

Task 4a requires the Consultant, working with the Regional Board staff, SAWPA staff and the Basin Monitoring Program Task Force to identify percolation ponds and retention basin where treated wastewater is regularly recharged to groundwater and where such discharges are presently governed by permits issued by the Regional Board. This includes, AT A MINIMUM, the disposal ponds operated by the City of Redlands and the City of Corona, the recharge ponds operated by IEUA, and the dairy ponds overlying the Chino-North GMZ. It also includes OCWD's recharge basin overlying Reach-2 of the Santa Ana River and the dairy ponds overlying the Chino-South GMZ. It does NOT include any percolation ponds or retention basins in EMWD's general service area. Task 4d requires the Consultant to summarize and report the results for ALL percolation ponds and retention basins analyzed in Task 4c. AT A MINIMUM, Task 4d likely to include the Chino-North, Chino-South, Bunker Hill-A, Bunker Hill-B, Riverside-A and Temescal Groundwater Management Zones. Other percolation ponds or retention basins, along with the related GMZs, may be added to the examples given above through the process described in Task 4a.

**TASK 8**

**6. WHAT IS OPTIONAL TASK 2?**

“Optional Task 2 (below)” was mislabeled and is referring to “Task 7 (above)”.

**RFP SECTION 5**

**7. IS THE COVER LETTER INCLUDED IN THE 25-PAGE LIMIT?**

No

**NOVEMBER 28, 2016 REVISIONS**

**TASK 6**

- 8. 1ST SENTENCE REFERS TO THE RETROSPECTIVE ASSESSMENT OF THE PERIOD 2005 THROUGH 2016 USING THE "CURRENT (2008)" WLAM" AS OPPOSED TO THE UPDATED WLAM PRODUCED IN THE RFP TASK 2. PLEASE VERIFY IF THIS IS THE INTENT.**

1st Sentence the phrase "...current (2008) WLAM..." should be replaced with "...the most current version of the WLAM produced in the RFP Task 2 after it has been finalized (calibrated and validated)..."