

SEASIDE BASIN WATERMASTER
REQUEST FOR SERVICE

DATE: May 6, 2010

RFS NO. 2010-03

(To be filled in by WATERMASTER)

TO: Joe Oliver

FROM: Robert Jaques

Monterey Peninsula Water Management District
PROFESSIONAL

WATERMASTER

Services Needed and Purpose:

Make improvements to the Watermaster's database in accordance with the Scope of Work contained in Attachment 1.

Completion Date: The work of this RFS No. 2010-03 shall be completed within 90 days from the date of execution of this RFS No. 2010-03.

Method of Compensation: Time and Expense Payment Method (As defined in Section V of Agreement.)

Total Price Authorized by this RFS: \$9,985.00 (See Attachment 1 for details regarding this Total Price. Cost is authorized only when evidenced by signature below.)

Total Price may not be exceeded without prior written authorization by WATERMASTER in accordance with Section V. COMPENSATION.

Requested by: _____



WATERMASTER Technical Program Manager

Date: 5/4/10

Authorized by: _____



WATERMASTER Chief Executive Officer

Date: 7/28/2010

Agreed to by: _____



PROFESSIONAL

Date: 8/10/2010

ATTACHMENT 1

Scope of Work for RFS No. 2010-03

Background:

The WATERMASTER has a database into which water production, water level, water quality, and other data is entered and stored. This RFS No. 2010-03 authorizes PROFESSIONAL to make certain improvements to the database as more fully described below.

Zone 24X7 will act as a subcontractor to PROFESSIONAL in performing the work, and will perform the work of this RFS under the direction and management of PROFESSIONAL.

Scope of Work:

The detailed scope of work to be performed under this RFS consists of implementing the nine Items described in the attached table titled "Improvements to be Made to the Watermaster's Database Under RFS NO. 2010-03."

Cost:

The Total Price authorized by this RFS No. 2010-03 is \$9,985.00, broken down as shown below:

<u>ACTIVITY</u>	<u>COST</u>
Project Management	\$1,311
Requirement Analysis and System Design	3,718
Implementation	2,664
QA / Testing	<u>990</u>
Total Estimated Cost	\$8,683
<u>Contingency @ 15%</u>	<u>1,302</u>
TOTAL PRICE	<u>\$9,985</u>

Use of any part of the Contingency amount shown in the breakdown above must first be authorized by WATERMASTER's Technical Program Manager. If no use of any portion of the Contingency is authorized, the Total Price of this RFS No. 2010-03 is limited to the Total Estimated Cost of \$8,683.00.

IMPROVEMENTS TO BE MADE TO THE WATERMASTER'S DATABASE
UNDER RFS NO. 2010-03

ITEM NO.	LOCATION WITHIN THE DATABASE	DESCRIPTION
1	Compliance Report (new report)	A Compliance Report will be developed that lists for each type of reporting data (i.e., Water Level, Water Quality, and Water Production): (a) what data each well owner is required to submit to the Watermaster, and (b) whether or not the required data have been submitted (i.e., entered into the database). This improvement will be accessible to all User Access Levels (1 through 4).
2	Well List Screen (well status improvement)	Currently, the Well List screen has only one checkbox to filter for "Only Watermaster Producers" and when checked, the list shows <u>all</u> of the Watermaster Production wells including those that are "inactive." The programming will be revised to provide the capability to list just the "active" Producer Wells. This will require modifications to the Well Details screen, as there are currently no data fields for "Well Status", i.e., Active, Inactive, Destroyed. At present in the Contacts screen, a user must select whether or not a particular Contact is a "Watermaster Producer". Once a user does that and clicks on the checkbox on the Well List screen, all wells associated with that Contact are listed. However, some of the Producers have either active, inactive and/or destroyed wells, and we would like to be able to make this distinction. For example, we would only want to include the "active" Producer wells in the Production Report. This improvement will be accessible to all User Access Levels (1 through 4).

ITEM NO.	LOCATION WITHIN THE DATABASE	DESCRIPTION
3	Well List Screen (custom views improvement)	<p>The programming will be revised to provide the capability, by selecting checkboxes, to use the Well List screen to filter the data to allow various “custom views”. For example, we might want to create a “Well Information Report” view which would display selected fields from the database and would include the Watermaster Well ID No. and the Well Name. The following is a list of the data fields that will be included as checkboxes in a pull-down menu on the Well List screen (in addition to the columns currently listed) to allow custom views:</p> <ul style="list-style-type: none"> • Company Name, Address, City, State, Zip, Contact Person, Telephone, Email, Owner Type, Assessor’s Parcel Number, Subarea, Northing, Easting, Reference Point Elevation, Well Casing Diameter, Total Depth of Completed Well, Date Well Completed, DWR Well Completion Report No. (Construction), Date Well Destroyed, DWR Well Completion Report No. (Destruction), Geologic Unit, Meter Unit.
4	Production Screen (format improvement)	<p>Because this improvement will include certain data regarding well location and completion, this improvement will only be accessible to User Access Levels 3 and 4.</p> <p>The current individual well Production screen (accessible from the Well Details screen) will be modified to match the monthly production reporting template the Watermaster has requested that Producers use to report their well production. This improvement will be accessible to users who enter production data at User Access Levels 3 and 4.</p>
5	<u>Detailed</u> Production Report (existing report)	<p>Currently, when Production is selected from the Report pull-down menu that is accessible in the upper left of most screens, a production report can be produced that shows actual recorded meter readings for a specified time period (i.e., a detailed report). The purpose of this report is to allow users to easily review detailed production data from the database. The user has options to select an individual well owner or ALL well owners, and an individual well or ALL wells. The problems with this structure format include: (a) the report lists a column called “Begin Date” but data that show up in this column do not seem to be tied in any meaningful way to entries in the database; (b) accordingly, the report will not produce a “Begin Reading” to allow an initial meter reading to be used to make the proper production calculation; and (c) for cases when ALL wells of an individual well owner are selected, the report does not show which calculation is attributable to which well. The programming will be revised to correct these problems to facilitate efficient review of the detailed production data. This report will be accessible to all User Access Levels (1 through 4).</p>

ITEM NO.	LOCATION WITHIN THE DATABASE	DESCRIPTION
6	<u>Summary</u> Production Report (new report)	Currently, it is not possible to generate a Production Report that is similar in format to the one that has historically been used by the Watermaster for reporting to the Board, and also in the Annual Report that is filed with Court (i.e., a summary report). The proper summary report format will not show actual meter dates and readings, but rather will be a Water Year report that breaks down production quarterly within the year, by each producer within each subarea. The programming will be revised so that the Summary Production Report matches the format being used by the Watermaster Board. This improvement will be accessible to users who enter production data at User Access Levels 3 and 4.
7	Water Quality screen (format improvement)	Some of the Water Quality analytical results that are being provided by the labs include two extra parameters that would be useful to add to the data entry page of the database. These are: <ol style="list-style-type: none"> 1. Bicarbonate 2. Carbonate
8	Contacts Screen (new column)	The Water Quality data entry screen will be expanded to include these parameters. The programming will be revised to add a column next to "Company Name" titled "Common Name" to enter the Producers' names as they are more commonly known. This "Common Name" will also be added to the list of check box items shown in Item 3 above.
9	Most Screens and Reports (format improvement)	Where feasible, cross-linking will be provided between the "Well Names" and "Watermaster Well ID Nos."