

RESOLUTION NO. 91-63

A RESOLUTION OF THE CITY COUNCIL  
OF THE CITY OF PASO ROBLES  
AUTHORIZING EXECUTION OF CONSULTANT SERVICES CONTRACT WITH  
JOHN CAROLLO ENGINEERS FOR PRELIMINARY ENGINEERING SERVICES  
RELATED TO FEDERAL AND STATE SURFACE WATER TREATMENT REGULATIONS  
OF THE CITY OF PASO ROBLES' RIVER WELLS AND APPROPRIATION OF  
\$20,000 FROM THE WATER OPERATIONS FUND

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WHEREAS, Federal/State Water Treatment Regulations were recently adopted which establish additional treatment requirements for ground water under the direct influence of any surface water; and

WHEREAS, John Carollo Engineers has submitted a proposed Scope of Work to provide preliminary well analysis, review the Department of Health Services requirements and to attempt to minimize the number of wells that would be affected by this surface water treatment ruling. The Director of Public Works estimates an expenditure of \$20,000.

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

Section 1. That the City Council authorize execution of the Consultant Services Contract with John Carollo Engineers for preliminary engineering services, subject to the City Attorney's approval.

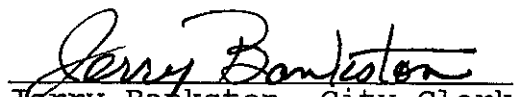
Section 2. That the City Council authorize appropriation of \$20,000 from the Water Operations fund to the Water Division's Maintenance and Operations Account for Professional Services, 600.340.5224.

PASSED AND ADOPTED by the City Council of the City of Paso Robles, this 7th day of May, 1991, on the following vote:

AYES:	Russell, Reneau, Martin, Picanco and Iversen
NOES:	None
ABSENT:	None

  
Christian E. Iversen, Mayor

ATTEST:

  
Jerry Bankston, City Clerk



April 3, 1991

Mr. John McCarthy  
Director of Public Works  
City of El Paso de Robles  
P.O. Box 307  
Paso Robles, California 93447-0307

Subject: Surface Water Treatment Rule,  
Thunderbird and Rinconi Wells

Dear John:

As we discussed recently, the Department of Health Services (DOHS) has indicated that the Surface Water Treatment Rule (SWTR) may affect several of the City's wells. This would include the Thunderbird wells and the Rinconi wells that may be influenced by the flow in the Salinas River. It would be prudent, as you suggested, to commence preliminary work on establishing the SWTR requirements as they apply to these wells.

As background, the proposed California SWTR is based on the federal SWTR but will be more strict. It has been in development for some time and is expected to be adopted by the state within the next few months. When it is effective, the DOHS will set a deadline on a case by case basis for water purveyors, such as the City of Paso Robles, to furnish evidence regarding water wells which may be under the direct influence of surface water. The SWTR defines "groundwater under the direct influence of surface water" as "any water beneath the surface of the ground with significant occurrence of insects or other macroorganisms, algae or large diameter pathogens such as Giardia Lamblia, or significant and relatively rapid shifts in water characteristics such as turbidity, temperature, conductivity or pH which closely correlate to climatological or surface water conditions." Further, the SWTR states that "Each supplier using an approved surface water or groundwater under the direct influence of surface water shall provide multi-barrier treatment necessary to reliably protect users from the adverse health effects of microbiological contaminants and to comply with the (design) requirements and performance standards prescribed."

The DOHS will decide, based on a study of the well provided to them in compliance with their criteria, if the wells are under the influence and will determine the level of treatment required for continued use of the well. The proposed SWTR would require the addition of filtration and disinfection (multi-barrier) treatment for the affected well sources. According to the current SWTR text, if the DOHS decides that this treatment is, in fact, required, the City would have until June 29, 1993 to have the facilities in operation.

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John Carollo Engineers proposes the following scope of work to evaluate the Thunderbird and Rinconi wells for the SWTR requirements based on the multi-step approach recommended by the DOHS, and to develop and evaluate treatment alternatives for these wells:

SCOPE OF WORK

1. Gather available background data on the affected wells. This would include well logs and hydrogeologic data, well water quality data, available Salinas River studies, and, if authorized by the City, conduct a field study of water turbidity, temperature, pH, etc. from the wells and the river to determine possible correlation.
2. Inspect the well sites for condition of surface seal, distances from surface water sources, influence of surface water run-off, etc.
3. Meet with the DOHS to discuss the SWTR requirements as they apply to the City's wells.
4. Based on the results of 1, 2 and 3 above, determine which, if any, of these wells will likely be designated by the DOHS subject to the surface water regulations.
5. If it seems feasible that the construction or operation of some wells could be modified to remove the direct influence of surface water, develop a scope of work to pursue this issue. The study could include improvements to the seal of the well, possible deepening of the wells to avoid influence from the river, limitations on operation of the well to avoid pumping during periods of likely influence from the river, etc.
6. If it seems likely that some wells will be required to meet surface water regulations, develop a scope of work to pursue this issue including the study of water treatment alternatives for surface water treatment. The study would include a review of the many other provisions of the SWTR related to the design and operating criteria for water treatment plants.

The study could include treatment plants at one or more locations, pipelines, pump stations and storage requirements. The study would include a preliminary estimate of costs for water treatment alternatives, presented as capital costs and O&M costs.

7. We will present our findings in a report to the City, meet with the City to discuss the report and arrive at a recommended plan of action.
8. We will submit the report to the DOHS for their concurrence of the plan of action.

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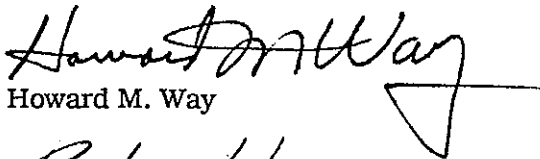
9. Upon approval of the recommended plan, we will prepare a scope of work for implementation, including design, construction services, operation manual, operator training and initial start-up supervision.

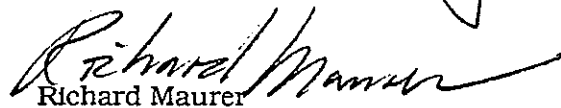
Although the June 29, 1993 deadline is some time in the future, it is recommended by the DOHS to start the evaluation of suspect wells early to allow ample time to gather the necessary data and to allow unhurried evaluation of realistic alternatives to assure compliance with the SWTR and to assure reliable and healthful water supply for the City of Paso Robles.

Following your review of this proposed scope of work, we would like to meet with you to discuss this important matter for the City.

Very truly yours,

JOHN CAROLLO ENGINEERS

  
Howard M. Way

  
Richard Maurer

HMW:RM/bp