

60<sup>th</sup> Street West Wellhead Arsenic Treatment Project

## Work Summary

This attachment contains descriptive summaries of the tasks necessary to complete the Project, discusses the deliverables that will be provided, and discusses the current status of the Project, including work already completed.

Task	Description of Work Completed, In Progress or to be Completed for Task (listed as % Complete)	Deliverables	Status
<b>Category (a): Direct Project Administration</b>			
Task 1: Administration	Administration activities will consist of preparing an MOU with the California Department of Corrections and Rehabilitation (CDCR) (see Task 4) <b>(25%)</b> , managing the planning and design efforts; data management; coordinating with District budgeting personnel; coordinating with the State on grant management, including invoicing and status reports; and resolving any issues that arise <b>(0%)</b> .	MOU document, and Invoices and status reports; complete grant application and other documents as necessary	In progress
Task 2: Labor Compliance Program	The Los Angeles County Waterworks District No. 40, Antelope Valley (District) is a Division of the County of Los Angeles Department of Public Works (County). The County has a Labor Compliance Program (LCP) in place that is in compliance with the 2012 Standard Specifications for Public Works Construction and the California Labor Code. 2012 Standard Specifications for Public Works Construction, California Labor Code (Sections 1773.2, 1774, and 1775 for prevailing wages, Section 1776 for certified payroll records, and Sections 1810, 1813, and 1815 for working hours. <b>(100%)</b>	Labor Compliance Program	Complete
Task 3: Reporting	The District will submit quarterly, final, and post completion reports to the State as specified in the grant agreement. <b>(0%)</b>	Quarterly Final, and Post Completion Reports	Not yet begun
<b>Category (b): Land Purchase/Easement</b>			
Task 4: Land Acquisition	CDCR owns the land the wells are located on. The District will attain an MOU with CDCR to gain access to the property for construction, operation, and maintenance. <b>(25%)</b>	Executed MOU with CDCR	In progress
<b>Category (c): Planning / Design / Engineering / Environmental Documentation</b>			
Task 5: Assessment and Evaluation	The following assessments have been completed for the Project: <ul style="list-style-type: none"> <li>• Arsenic levels in Wells 2A and 3 <b>(100%)</b></li> <li>• Bayoxide Arsenic Removal Media/Ferric Oxide Adsorptive Media <b>(100%)</b></li> <li>• Preliminary sizing and estimate for treatment system from vendor <b>(100%)</b></li> <li>• Concept drawing with Project components <b>(100%)</b></li> <li>• Case Studies from Seven Trent on the arsenic treatment technology <b>(100%)</b></li> </ul>	<ul style="list-style-type: none"> <li>• Laboratory results for arsenic testing</li> <li>• Product sheet and case studies for arsenic removal system and media</li> <li>• Preliminary Sizing/Estimate</li> <li>• Concept drawing</li> <li>• Case studies</li> </ul>	Complete
Task 6: Final Design	The District will complete Project plans and specifications for the 30% design <b>(25% complete)</b> , 60% design <b>(0% complete)</b> , 90% design <b>(0% complete)</b> , and 100% design <b>(0% complete)</b> for water main and arsenic treatment system.	30%, 60%, 90%, and 100% design plans and specs	In progress
Task 7: Environmental Documentation	The Project has a categorical exemption (Public Resources Code 21080.21 CEQA Section 15301 (b, f)). <b>(100%)</b> The categorical exemption will be filed with the County of Los Angeles Board of Supervisors September 1, 2014. <b>(0%)</b>	Adopted Categorical Exemption	In progress

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Task 8: Permitting	An encroachment permit is required from the City of Lancaster since part of the proposed water main is located on Avenue J. <b>(0%)</b> A permit amendment with the California State Water Resources Control Board (Drinking Water Program) is required prior to using the arsenic treatment system in the distribution system. <b>(0%)</b> The District will create a Traffic Control Plan <b>(0%)</b>	Encroachment permit from the City of Lancaster, Drinking Water Program Permit Amendment , Traffic Control Plan	Not yet begun
<b>Category (d): Construction / Implementation</b>			
Task 9: Construction Contracting	Construction contracting will be handled by District staff in compliance with the California Public Contracting Code. Prior to bid solicitation, the District’s governing body, the Los Angeles County Board of Supervisors (Board), is required to approve the Project. Tasks include: advertisement for bids, a pre-bid contractors meeting, bid opening, bid evaluation and selection of contractor. The Board will award the contract unless it has delegated that authority to the Director of Public Works. A Notice to Proceed (NTP) would then be issued. <b>(0%)</b>  The District will utilize its own labor force to install the wellhead pumps, electrical panel components, flow meters, and transducers, and SCADA communication. <b>(0%)</b>	Bid Advertisement Contract award NTP	Not yet begun
Task 10: Construction			
Subtask 10.1: Mobilization and Site Preparation	This subtask will include the mobilization of equipment and construction materials. <b>(0%)</b>	No deliverables	Not yet begun
Subtasks 10.2: Project Construction	The Project construction will include the installation of two wellhead pumps, the arsenic treatment system, electrical panel replacements, a flow meter and transducer for each well, SCADA installation, and installation of new water main. <b>(0%)</b>	Field Acceptance Memo, Notice of Completion for construction of water main	Not yet begun
Subtasks 10.3: Performance Testing and Demobilization	Following installation, the pumps and arsenic treatment system will be tested to ensure that they are working properly. A final inspection will be completed and demobilization will occur. A Monitoring Plan will be developed for the project. <b>(0%)</b>	Installation Report for arsenic treatment system (with performance testing and water quality results), and Monitoring Plan	Not yet begun
Task 11: Environmental Compliance / Mitigation / Enhancement	No mitigation or enhancement is required.	Not Applicable	Not Applicable
Task 12: Construction Administration	The District has a dedicated Construction Division that administers numerous civil construction projects every year in conformance with the Public Contracting Code. Construction Division Staff will manage the Project construction contract process and implementation. Construction administration activities will include general preparation of construction documents, construction contract administration, and construction inspection.	Deliverables included as part of Task 9	Not yet begun