

**MEETING OF THE GROUNDWATER QUALITY COMMITTEE
OF THE BOARD OF DIRECTORS
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA
4040 PARAMOUNT BOULEVARD, LAKEWOOD, CA 90712
12:30 P.M., WEDNESDAY, NOVEMBER 23, 2011**

AGENDA

EACH ITEM ON THE AGENDA, NO MATTER HOW DESCRIBED, SHALL BE DEEMED TO INCLUDE ANY APPROPRIATE MOTION, WHETHER TO ADOPT A MINUTE MOTION, RESOLUTION, PAYMENT OF ANY BILL, APPROVAL OF ANY MATTER OR ACTION, OR ANY OTHER ACTION. ITEMS LISTED AS "FOR INFORMATION" MAY ALSO BE THE SUBJECT OF ANY "ACTION" TAKEN BY THE BOARD OR A COMMITTEE AT THE SAME MEETING.

- 1. DETERMINATION OF A QUORUM**
- 2. PUBLIC COMMENT**
- 3. MINUTES OF THE MEETING OF SEPTEMBER 28, 2011**
Staff Recommendation: Approve as submitted.
- 4. U.S. ENVIRONMENTAL PROTECTION AGENCY'S RISK ASSESSMENT ON TRICHLOROETHYLENE**
Staff Recommendation: For information.
- 5. GROUNDWATER CONTAMINATION UPDATE**
Staff Recommendation: For information.
- 6. SAFE DRINKING WATER PROJECT - MAYWOOD MUTUAL #3 PROSPECT ADOPTION OF CEQA NEGATIVE DECLARATION & AUTHORIZATION TO ADVERTISE FOR BIDS**
Staff Recommendation: Adopt a Negative Declaration for the Maywood Mutual Water Company No. 3 Prospect Well Treatment Project and authorize advertisement for competitive bids toward construction of the wellhead treatment facility.
- 7. REVISED CONTRACT SERVICES AGREEMENT BETWEEN WRD AND CITY OF TORRANCE FOR GOLDSWORTHY DESALTER**
Staff Recommendation: For discussion.
- 8. DIRECTORS' REPORTS, INQUIRIES, AND FOLLOW UP OF DIRECTIONS TO STAFF**
- 9. ADJOURNMENT**

Posted by Abigail C. Andom, Deputy Secretary, November 18, 2011.

In compliance with the Americans with Disabilities Act (ADA), if special assistance is needed to participate in the Board meeting, please contact Deputy Secretary Abigail Andom at (562) 921-5521 for assistance to enable the District to make reasonable accommodations.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 4040 Paramount Boulevard, Lakewood, California 90712.
Agendas and minutes are available at the District's website, www.wrd.org.

UNAPPROVED
MINUTES

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**MINUTES OF SEPTEMBER 28, 2011
MEETING OF THE GROUNDWATER QUALITY COMMITTEE
OF THE BOARD OF DIRECTORS OF THE
WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA**

A meeting of the Groundwater Quality Committee of the Board of Directors of the Water Replenishment District of Southern California was held on Wednesday, September 28, 2011, 12:45 p.m., at the District Office, 4040 Paramount Boulevard, California. Chairperson Sergio Calderon called the meeting to order and presided thereover. Deputy Secretary Abigail C. Andom recorded the minutes.

1. DETERMINATION OF A QUORUM

Committee: Directors Sergio Calderon and Rob Katherman
Staff: Ted Johnson, Cathy Chang, Phuong Ly, and
Special Counsel David Alvarez

2. PUBLIC COMMENT

None.

Director Katherman stated that he would like to add an item to the agenda, that the need came subsequent to the posting of the agenda for this meeting, and there is a need to take immediate action to discuss sponsorship of CORO's annual water summit to be held October 18, 2011. The Committee unanimously added the item as Agenda Item 9.A.

3. MINUTES OF THE SPECIAL MEETING OF AUGUST 31, 2011

The minutes were approved as submitted.

**4. GOVERNMENT ACCOUNTABILITY OFFICE'S REPORT ON
PHARMACEUTICALS IN NATION'S DRINKING WATER**

Dr. Cathy Chang informed the Committee that on September 8, 2011, the Government Accountability Office (GAO) released a new report on the presence of pharmaceuticals in drinking water supplies. Dr. Chang stated that the report concluded that pharmaceuticals have been detected in source water, treated drinking water, and treated wastewater at very low levels, typically in parts per trillion. She added that the research has not determined the human health effects of low-dose, long-term exposure to pharmaceuticals.

Dr. Chang stated that the report recommended improved coordination between federal agencies that have been investigating this topic by better defining the roles and responsibilities of collaborating agencies; leveraging their resources; and establishing a process for monitoring, evaluating, and reporting to the public the results of the collaborative research efforts.

Dr. Chang noted that the Los Angeles County Sanitation Districts, which provide recycled water for the spreading basins, take proactive measures to prevent the drugs from entering the wastestreams by implementing drug take-back program in partnership with local pharmacies and no-drugs-down-the-drain outreach program.

Dr. Chang reported that WRD has also participated in a number of research projects with regards to the presence or lack of pharmaceuticals in recharge water and the effectiveness of various treatment technologies such as soil-aquifer treatment, nano-filters, and reverse osmosis membranes to remove them. She informed the Committee that staff prepared an informational flyer on the results of the GAO report for distribution on the District web site and for emailing to stakeholders. A copy of the flyer was provided to the Committee.

5. GROUNDWATER CONTAMINATION UPDATE

Water Quality Specialist Phuong Ly presented an update on Montrose Chemical Corporation Superfund Site and Del Amo Superfund Site, which are both located in the West Coast Basin, specifically in the Cities of Los Angeles and Torrance, respectively. Ms. Ly stated that the sites are on WRD's list of high-priority contaminated groundwater sites that are located within District boundaries.

Ms. Ly stated that from 1947 to 1982, Montrose Chemical Corporation Superfund Site released hazardous substances to soil and groundwater beneath the 13-acre site and adjacent properties via an unlined wastewater settling/recycling pond, underground wastewater holding, leaks from processing equipment, piping, etc. She noted that by 1985 the entire site was razed and capped with asphalt and remains vacant today. In 1989, the site was added to the USEPA's National Priority List (NPL) and investigations and cleanups are being conducted under the oversight of the USEPA.

Ms. Ly stated that constituents of concern in the groundwater are volatile organic compounds (VOCs) and groundwater contamination has been confirmed as deep as the Gage and Lynwood Aquifers. She stated that remediation activities to date include the asphalt cap that was placed over the entire site and the removal of DDT from soils in the surrounding residential properties and streets. Ms. Ly noted that contaminants in groundwater have migrated approximately one mile off site to the southeast and the plume has commingled with contaminants that originate from the adjacent Del Amo Superfund site (directly east of the Montrose Chemical property). She stated that a dual site groundwater treatment system is currently being constructed to address the commingled plumes from both Superfund sites. This groundwater remedy includes approximately 14 extraction wells, a treatment plant that will be

constructed on the Montrose Chemical property, and re-injection wells for the treated groundwater. The system is expected to begin operating by late 2012/early 2013 and is estimated to operate for approximately 50 years.

Ms. Ly stated that that Del Amo Superfund Site is a 280-acre site that was the former location of a synthetic rubber manufacturing facility that operated from 1942 to 1972 to produce rubber for World War II. She explained that the site was originally owned by the United States government and was sold in 1955 to Shell Oil Company. Shell Oil continued to operate the plants until 1971 and in 1972, the property was sold to a developer who redeveloped it for industrial and commercial uses, including light manufacturing, warehousing and offices. She noted that in 1989, the site was added to the USEPA's NPL and investigations and cleanups are being conducted under the oversight of the USEPA.

Ms. Ly stated that due to the site's historical activities, soil and groundwater beneath the site is contaminated with VOCs. Groundwater contamination has also been confirmed as deep as the Gage and Lynwood Aquifers. She noted that as of June 2011, no chemicals of concern have been detected in the nearest active production wells.

Ms. Ly stated that remediation activities included a multi-layer impermeable cap over the waste pits and a soil vapor extraction system with in situ bioremediation. She added that the USEPA issued a Proposed Plan for soil and NAPL cleanup and is expected to be finalized in late 2011. As previously noted, a dual site groundwater treatment system is currently being constructed to address the commingled plumes that have migrated off site from the Montrose Chemical and the Del Amo Superfund Sites.

6. TIME EXTENSION WITH DEPARTMENT OF WATER RESOURCES FOR AB303 GRANT

The Committee recommended the Board authorize the General Manager to execute an amendment to the Local Groundwater Assistance grant agreement (AB303) with the State of California Department of Water Resources to extend the termination date to July 31, 2012. All other conditions of the agreement will remain the same.

7. SAFE DRINKING WATER PROGRAM

Chief Hydrogeologist Ted Johnson stated that the Committee reviewed the proposed Safe Drinking Water Program (SDWP) policy guidelines and application, and the amended Loan Agreement at its last meeting.

Special Counsel David Alvarez stated that the modifications were made to the grant and loan agreements and the SDWP policy application and guidelines and are now ready for Board approval.

The Committee recommended the Board approve the standard loan and grant agreements for the Safe Drinking Water Program and implement the use of the Safe Drinking Water Program Application.

8. SAFE DRINKING WATER PROGRAM – REQUEST FROM MAYWOOD MUTUAL #3

Mr. Johnson stated that Maywood Mutual Water Company No. 3 is seeking assistance through the District's SDWP for treatment of their Prospect Well currently affected by volatile organic compounds (VOCs). He explained that treatment for VOCs qualifies as a Priority A project under the SDWP where the District provides grant funding for the design and construction of the treatment system. Mr. Johnson stated that the wellhead treatment system will likely consist of one granular activated carbon system at a not to exceed cost of \$800,000.

The Committee recommended the Board approve Maywood Mutual Water Company No. 3 Prospect Well as a project funded through the SDWP and enter into an agreement with Maywood Mutual Water Company No. 3, subject to approval as to form by District Counsel, to construct a wellhead treatment system at Prospect Well for an amount not to exceed \$800,000.

9. DIRECTORS' REPORTS, INQUIRIES, AND FOLLOW UP OF DIRECTIONS TO STAFF

Director Katherman thanked staff for their continued work on regular press releases.

9.A SPONSORSHIP OF CORO'S SURFACING THE SOLUTIONS – A CRITICAL DISCUSSION OF CALIFORNIA'S WATER CRISIS

Director Katherman stated that the District has once again been invited by CORO to participate at its annual water summit. He stated that this year's event will be held on October 18 in Downtown Los Angeles.

Discussion followed and the Committee recommended the Board participate at the Friends of CORO sponsorship level of \$1500.

10. ADJOURNMENT

There being no further business to come before the Committee, the meeting was adjourned at 2:00 p.m.

Chairperson

Attest:

Director



MEMORANDUM

ITEM NO. 4

Prepared by: Cathy Chang

Reviewed by: Ted Johnson

Approved by: Robb Whitaker

DATE: NOVEMBER 23, 2011

TO: GROUNDWATER QUALITY COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: U.S. ENVIRONMENTAL PROTECTION AGENCY'S RISK ASSESSMENT ON TRICHLOROETHYLENE

SUMMARY

In September 2011, the United States Environmental Protection Agency (U.S. EPA) released its final risk assessment for trichloroethylene (TCE). This memo provides a brief background on TCE, highlights the key findings of the US EPA's risk assessment, and characterizes the programs currently implemented by the District to address TCE-contaminated sites within the service area.

TCE is a volatile, chlorinated hydrocarbon widely used as a solvent, paint stripper, and degreasing agent. US EPA and California Department of Public Health (CDPH) adopted the current Maximum Contaminant Level (MCL) of 5 parts per billion (ppb) for TCE in drinking water in 1991 and 1989, respectively. According to CDPH, over 350 drinking water sources in California have reportable levels of TCE contamination (i.e., greater than 0.5 ppb). Systems with contamination exceeding the TCE MCL are required to provide treatment in order to comply with the standard.

Past disposal practices of TCE into nearby waste pits and storage tanks at industrial facilities and military bases resulted in air, soil, and aquifer contamination and raise health concerns in many locations. The public can be exposed to TCE contaminated drinking water or by showing in contaminated water and breathing air in homes where TCE vapors have intruded from the soil. Cancer is the primary health concern from TCE exposure.

US EPA's risk assessment, whose draft report had been subject to a decade-long delay after its initial 2001 release, formally characterized the chemical as a human carcinogen and a non-carcinogenic health hazard. Specifically, it found that the widely used industrial solvent causes kidney and liver cancer, lymphoma and noncancer toxicity to the central nervous system, kidney, liver, immune system, male reproductive system, and the developing fetus. According to the risk assessment, the oral unit risk for cancer is 5×10^{-2} per mg/kg/day. TCE has been extensively studied, and California EPA considers it a known carcinogen. Therefore, the significance of the US EPA's risk assessment is less about the novelty of its findings and more about their potential to trigger re-evaluation of existing standards for drinking water or for cleanup.

The District has been and continues to proactively address TCE contaminated sites within its service area through the implementation of various programs, including but not limited to:

- 1) **Groundwater contamination forum** represents the District's collaboration with federal, state, and local regulatory agencies to help expedite the investigation and the cleanup at the 46 high priority sites;
- 2) **Safe drinking water program** provides financial support to basin pumpers for installation of wellhead treatment equipment to remove volatile organic compounds (including TCEs) from the groundwater, allowing affected wells to meet public drinking water standards.
- 3) **Regional groundwater monitoring program** consists of a network of about 300 District monitoring wells at over 50 locations, where semi-annual monitoring of groundwater quality takes place. This is the first step towards detecting any degradation to the quality of the region's groundwater supply.

In terms of treatment technology, granular activated carbon and packed tower aeration have proven to be effective for removing TCE to below 5 ppb.

FISCAL IMPACT

None at this time.

STAFF RECOMMENDATION

For information.



MEMORANDUM

ITEM NO. 5

Prepared by: Phuong Ly
Reviewed by: Ted Johnson
Approved by: Robb Whitaker

DATE: NOVEMBER 23, 2011
TO: GROUNDWATER QUALITY COMMITTEE
FROM: ROBB WHITAKER, GENERAL MANAGER
SUBJECT: GROUNDWATER CONTAMINATION UPDATE

BACKGROUND

With the cooperation and support of stakeholders such as the United States Environmental Protection Agency (USEPA), California Regional Water Quality Control Board, Los Angeles Region (RWQCB), and California Department of Toxic Substances Control (DTSC), WRD developed a list of high-priority contaminated groundwater sites within District boundaries. This list is a living document, subject to cleanup and "closure" of sites as well as discovery of new sites warranting further attention. Currently, the list includes 46 sites across the Central and West Coast Basins.

WRD has been working with the lead regulatory agencies for each of these sites to keep abreast of their status, review and provide recommendations as needed, facilitate progress in site characterization and cleanup, and provide technical and financial assistance when necessary. Below is a discussion of two sites that were recently updated with information obtained from the indicated lead regulatory agency.

BOEING C-6 FACILITY, CITY OF LOS ANGELES (WEST COAST BASIN)

From 1940 to 1952, various industrial activities were conducted on site, including aluminum and steel production. Between 1952 and 1992, the site was used for manufacturing aircraft and aircraft parts. Boeing took ownership of the site in 1997 when it merged with McDonnell Douglas Corporation. By the late 1990s, the site buildings were demolished and the site was divided into four parcels (A, B, C, and D) and redeveloped into commercial/light industrial facilities. Due to historical site activities, soil and groundwater beneath the site is contaminated and environmental investigations began in the mid-1980s under the oversight of the RWQCB. The RWQCB has granted closure for shallow and deep soils on Parcels A, B, and D.

The constituents of concern in groundwater are volatile organic compounds (VOCs), mainly chlorinated solvents. Groundwater contamination has been confirmed as deep as the Gage Aquifer. As of June 2011, no chemicals of concern have been detected in the nearest active production (drinking water) wells.

Remediation activities at the site include the following:

- **Soil Excavation**: Over 20,000 cubic yards of soil have excavated from Parcel C and disposed off-site.
- **Soil Vapor Extraction (SVE)**: There are 2 former source areas on Parcel C where SVE was conducted to remove VOCs from soils as deep as 65 feet below ground surface. The SVE systems operated between 2001 and 2009 and over 35,000 lbs of VOCs have been removed from soils and shallow groundwater.
- **In-Situ Groundwater Bioremediation**: In 2004 and 2008, various electron donor solutions, such as molasses, powered cheese whey, and sodium lactate, have been injected into groundwater to enhance the biodegradation process and reduce VOC concentrations.

An on-site groundwater treatment system is currently being designed to extract groundwater from wells screened in the Bellflower Aquitard and Gage Aquifer and remove VOCs using air strippers and granular activated carbon. Construction of this treatment system is expected to begin in late 2011 with full operation by 2012.

COOPER DRUM COMPANY (SUPERFUND SITE), CITY OF SOUTH GATE (CENTRAL BASIN)

From 1941 to 2003, the site was owned and operated by various drum recycling/reconditioning companies, including Cooper Drum Company (1971 to 1992). The drum reconditioning process consisted of flushing and stripping steel drums (previously containing a variety of industrial chemicals) for painting and resale. Prior to 1976, all drum processing tasks were conducted at the northeastern portion of the site in the "hard washing area." After 1976, reconditioning activities were conducted in the central portion of the site, referred to as the drum processing area. Fluids generated by reconditioning and hard washing activities were collected in open concrete pits and trenches. This led to the contamination of soil and groundwater beneath the site. Environmental investigations began at the site in 1984 and in June 2001, the site was placed on USEPA's National Priorities List (Superfund) and thus, site remediation activities are being conducted under the oversight of the USEPA. Currently, the site is vacant.

The constituents of concern in groundwater are volatile organic compounds (VOCs), mainly chlorinated solvents. The area surrounding the site is heavily industrialized and impacts to groundwater have originated from other nearby facilities as well as from the site.

Remediation activities at the site include the following:

- **Asphalt Cap**: The entire site was paved with asphalt in 1986.
- **Dual Phase Extraction (DPE) System**: A dual phase extraction (DPE) treatment system is being constructed on site to remove VOCs from shallow and deep soil and from the perched groundwater beneath the site. This treatment system consists of 12 shallow soil vapor extraction (SVE) wells and 12 deeper DPE wells that will remove

VOCs from soil and groundwater. The SVE system has been operating since February 2011 and the DPE system is expected to be operational by the end of 2011. The DPE system is estimated to operate for five years.

A groundwater pump and treat system will be constructed on site and will consist of advanced oxidation using ozone and hydrogen peroxide, and carbon filters. On- and off-site groundwater extraction wells will be constructed in 2011 to contain movement of the VOC plume. The groundwater treatment system is expected to be operating by 2012.

FISCAL IMPACT

None at this time.

STAFF RECOMMENDATION

For information.



MEMORANDUM

ITEM NO. 6

Prepared by: Charlene King
Reviewed by: Ted Johnson
Approved by: Robb Whitaker

DATE: NOVEMBER 23, 2011

TO: GROUNDWATER QUALITY COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: SAFE DRINKING WATER PROJECT - MAYWOOD MUTUAL #3 PROSPECT
ADOPTION OF CEQA NEGATIVE DECLARATION &
AUTHORIZATION TO ADVERTISE FOR BIDS

SUMMARY

The District administers the Safe Drinking Water Program (SDWP) to assist basin pumpers in sustaining active production from contaminated wells. Wells are evaluated for assistance based on factors such as water quality data and production history. When assistance is deemed necessary, WRD and the basin pumper jointly develop a treatment solution for the subject well.

Maywood Mutual Water Company No. 3 has a well currently affected with Trichloroethylene (TCE), a Volatile Organic Compound (VOC), at levels exceeding the state standard. Maywood Mutual No. 3 requested assistance from WRD through the Safe Drinking Water Program (SDWP) for treatment at their Prospect Well. On October 21, 2011, the WRD Board approved this well as a project through the Safe Drinking Water Program.

The wellhead treatment system will consist of one complete granular activated carbon system. A permit to operate will be obtained by Maywood Mutual Company No. 3 from the California Department of Public Health and a discharge permit (if needed) will be obtained from the Los Angeles Regional Water Quality Control Board prior to the construction and operation of the facility. The facility will be built within the boundaries of the well site owned and operated by the Maywood Mutual Water Company No 3 and will have the capacity to treat the full flow of the well. The treated water will be disinfected prior to entering the distribution system.

District staff has prepared an Initial Study that concludes that no significant environmental impact is expected from the project. In accordance with the California Environmental Quality Act (CEQA) guidelines, the attached environmental documentation in the form of an initial study has been prepared and a 30-day public notice has been posted. No comments were received as of November 14, 2011 (date of preparation for this report).

The District's consultant URS Corporation is currently working with WRD and Maywood Mutual Water Company No. 3 to design the facility and prepare the plans and contract documents. District staff intends to put the construction and treatment equipment out for competitive bid.

FISCAL IMPACT

The construction cost of the treatment system is estimated not to exceed \$800,000. Funds for this project are budgeted and have been approved.

STAFF RECOMMENDATION

Adopt a Negative Declaration for the Maywood Mutual Water Company No. 3 Prospect Well Treatment Project and authorize advertisement for competitive bids toward construction of the wellhead treatment facility.



**WATER REPLENISHMENT DISTRICT
OF SOUTHERN CALIFORNIA**

**ENVIRONMENTAL
DOCUMENTATION
FOR**

**INSTALLATION OF GRANULAR
ACTIVATED CARBON FILTERS
FOR TREATMENT OF VOLATILE
ORGANIC COMPOUNDS**

**FOR
MAYWOOD MUTUAL WATER
COMPANY NUMBER 3
PROSPECT WELL
Located in
BELL, CALIFORNIA**

***A WRD Safe Drinking Water Program
Project***

October 2011

Interested Agencies, Organizations and Individuals

**NOTICE OF COMPLETION AND AVAILABILITY OF THE INITIAL STUDY/PROPOSED
NEGATIVE DECLARATION FOR THE WELLHEAD TREATMENT CONSTRUCTION
PROJECT**

The Water Replenishment District of Southern California (WRD) has prepared a negative declaration for the Wellhead Treatment Construction for Maywood Mutual Water Company No. 3 Prospect Well for review and comment by the public and local agencies. The District has determined that the proposed project will be beneficial and will not have a significant adverse effect on the environment.

The Water Replenishment District of Southern California (WRD) encompasses the urban coastal plain of Los Angeles County. WRD is a special district vested with the responsibility to manage and protect the groundwater supplies of the Central and West Coast Basins.

As part of its Clean Water Programs, WRD has developed a Safe Drinking Water Program designed to provide wellhead treatment to pumpers with affected wells. This enables the pumper to keep an affected well on-line or to bring an otherwise shut down well back on-line and assists in WRD's effort to clean up existing groundwater contamination at that particular site.

The wellhead treatment system will consist of one complete granular activated carbon unit. A permit to construct and operate will be obtained from the California Department of Public Health and a discharge permit (if needed) will be obtained from the LA Regional Water Quality Control Board prior to the construction of the facility.

The facility will be built within the boundaries of the well site own and operated by the Maywood Mutual Water Company No. 3. Maywood Mutual Water Company No. 3 personnel will perform the routine operation and maintenance associated with this wellhead treatment unit. The system will have the capacity to treat the full flow of the well. The treated water will be disinfected with a chlorination system prior to entering the distribution system.

Written comments must be received by December 1, 2011. All written responses to this notice should be sent to:

Charlene King
Associate Engineer
Water Replenishment District of Southern California
4040 Paramount Boulevard
Lakewood, California 90712
Email: cking@wrdd.org

Copies of the document will be available for review at the Water Replenishment District of Southern California.

PROPOSED NEGATIVE DECLARATION

WATER REPLENISHMENT DISTRICT OF SOUTHERN CALIFORNIA SAFE DRINKING WATER PROGRAM AT PROSPECT WELL

PROJECT NAME

Construction of Wellhead Treatment Unit for Maywood Mutual Water Company 3 Prospect Well

ENTITY UNDERTAKING PROJECT

Water Replenishment District of Southern California.

LOCATION

The Prospect well site is located in the City of Bell at 6253 Prospect Avenue, Los Angeles County.

PROJECT DESCRIPTION

As part of its Clean Water Programs, WRD has developed a Safe Drinking Water Program designed to provide wellhead treatment to pumpers with affected wells. This enables the pumper to keep an affected well on-line or to bring an otherwise shut down well back on-line and assists in WRD's effort to clean up existing groundwater contamination by pumping and treating at that particular site.

The Maywood Mutual Water Company No. 3 owns and operates the Prospect well facility. The well is currently affected by volatile organic compound (VOC) contamination and has surpassed the maximum contaminant levels (MCL) of 5 parts per billion for Trichloroethylene (TCE). The Prospect wellhead treatment facility will utilize a Liquid Phase Granular Activated Carbon (GAC) system. A permit to operate the treatment system will be obtained from the California Department of Health Services and a discharge permit (if needed) will be obtained from the LA Regional Water Quality Control Board prior to construction of the facility. This facility will be built within the boundaries of the well site owned by the Maywood Mutual Water Company No. 3. The system will have the capacity to treat the full flow of the Prospect Well. The treated water will be disinfected with a chlorination system prior to entering the distribution system. Maywood Mutual Water Company No. 3 personnel will perform the routine operation and maintenance associated with this wellhead treatment unit.

FINDING

The Water Replenishment District of Southern California (WRD) Board of Directors having heard, at a public meeting of the District, the comments of any and all concerned persons or entities, including the recommendations of the District staff, does hereby find that the proposed project will not have a significant adverse effect on the environment. The facts supporting this finding are presented in the attached Initial Environmental Study (IES) prepared for this project and in the reference material cited in the IES. When considering the record as a whole, there is no evidence

before the agency that the proposed project will have potential for an adverse effect on wildlife resources or the habitat upon which the wildlife depends. The analysis and findings contained in the IES and this Declaration represent the independent judgment of the District.

PASSED AND ADOPTED at a regular meeting of the Board of Directors of the Water Replenishment District of Southern California held on December 16, 2011.

Sergio Calderon, President

ATTEST:

Robert Katherman, Secretary

INITIAL STUDY

BACKGROUND

1. Name of Proponent(s):

Water Replenishment District of Southern California
Maywood Mutual Water Company No. 3
2. Name of Lead Agency:

Water Replenishment District of Southern California
3. Address and phone number of Lead Agency:

4040 Paramount Boulevard
Lakewood, California
(562) 921-5521
4. Date of Initial Study:

October 21, 2011

PROJECT INFORMATION

1. Description of the project:

The Water Replenishment District of Southern California (WRD) encompasses the urban coastal plain of Los Angeles County. WRD is a special district vested with the responsibility to manage and protect the groundwater supplies of the Central and West Coast Basins.

Currently, some water wells in the WRD service area are affected by groundwater contamination. Maywood Mutual Water Company No. 3 owns and operates Prospect Well, which is currently affected by volatile organic compound (VOC) contamination. This well has surpassed the maximum contaminant level (MCL) of 5 parts per billion for Trichloroethylene (TCE) and is currently off-line.

As part of its Clean Water Programs, WRD has developed a Safe Drinking Water Program designed to provide wellhead treatment to pumpers with affected wells. This enables the pumper to keep an affected well on-line or to bring an otherwise shut down well back on-line and assists in WRD's effort to clean up existing groundwater contamination by pumping and treating at that particular site. Prospect Well is located at 6253 Prospect Avenue. The well site is in located in a residential area.



The Prospect wellhead treatment unit will consist of a Liquid Phase Granular Activated Carbon (GAC) system. Liquid Phase GAC treatment is a technology used to remove organic contaminants from the groundwater. Groundwater is pumped through one or more vessels containing GAC. Thermal processing of carbon creates small porous particles with a large internal surface area. This attribute makes it activated. The activated carbon attracts and absorbs the contaminant molecules, allowing water to pass through the vessels relatively quickly. When the carbon is exhausted from the vessel, the carbon must be replaced. The spent carbon is replaced with newly activated carbon. A permit to operate the treatment system will be obtained from the California Department of Public Health.

This facility will be built within the boundaries of the well sites owned and operated by the Maywood Mutual Water Company No. 3. The system will have the capacity to treat the full flow of the well. The treated water will be disinfected with a chlorination system prior to entering the distribution system.

Maywood Mutual Water Company No. 3 will perform the routine operation and maintenance associated with this wellhead treatment unit.

2. Identification of the environmental setting:

The well site is located on a .37 acre lot at 6253 Prospect Avenue. The well site is bordered by residential property. See attached site map.

3. Identification of environmental effects:

See attached Environmental Checklist.

4. Discussion of ways to mitigate any significant effects identified:

No significant effects were identified in the Initial Study.

5. Examination of whether or not the project is compatible with existing zoning, plans, and other land use controls:

Appropriate use, construction and operating permit applications will be filed with the appropriate agencies.

6. Name(s) of person(s) who prepared or participated in the Initial Study:

Charlene King
Associate Engineer – Construction and Operations
Water Replenishment District of Southern California
4040 Paramount Boulevard
Lakewood, California 90712
(562) 921-5521

Robert Rohlf
Director of Operations
Maywood Mutual Water Company No. 3
6151 Heliotrope Avenue
Maywood, California 90270
(323) 560-3657

Mike N. Agbodo, PE
Senior Project Manager
URS Corporation
3500 Porsche Way
Ontario, California 91764
(909) 942 4127

Environmental Checklist Form

1. Project title: Prospect Well Wellhead Treatment Facility Project

2. Lead agency name and address:

Water Replenishment District of Southern California
4040 Paramount Blvd., Lakewood, CA 90712

3. Contact person and phone number: Ms. Charlene King (562) 921-5521

4. Project location: 6253 Prospect Avenue, Bell, CA, LA County

5. Project sponsor's name and address:

Water Replenishment District of Southern California
4040 Paramount Blvd., Lakewood, CA 90712

6. General plan designation: Utility Site

7. Zoning: Residential

8. Description of project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)

This site is an existing water supply utility site owned by Maywood Mutual Water Company No. 3. See Initial Study—Section 2 (Project Information)

The proposed activities include the following items:

1. Modify the existing piping
2. Installation of one complete granular activated carbon filtration system, backwash tank & associated piping

9. Surrounding land uses and setting: (Briefly describe the project's surroundings)

This existing site is in a residential area on Prospect between Gage Avenue and Randolph Street.

10. Other public agencies whose approval is required (e.g., permits, financing, approval, or participation agreement.)

- California Department of Public Health
- LA County Sanitation District

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|--|--|--|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology/Soils |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology/Water Quality | <input type="checkbox"/> Land Use/Planning |

- | | | |
|--|---|---|
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise | <input type="checkbox"/> Population/Housing |
| <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Utilities/Service Systems | <input type="checkbox"/> Mandatory Findings of Significance | |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

- I find that the proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.
- I find that the proposed project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.
- I find that the proposed project **MAY** have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or **NEGATIVE DECLARATION** pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or **NEGATIVE DECLARATION**, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



 Signature

10/28/11

 Date

Charlene King, Associate Engineer
 Printed name

For: Water Replenishment District of Southern California

EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based

on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
- 4) "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from Section XVII, "Earlier Analyses," may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
 - a) Earlier Analysis Used. Identify and state where they are available for review.
 - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify:
 - a) the significance criteria or threshold, if any, used to evaluate each question; and
 - b) the mitigation measure identified, if any, to reduce the impact to less than significance

SAMPLE QUESTIONS

Issues:

	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
I. AESTHETICS—Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
II. AGRICULTURE RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
III. AIR QUALITY—Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) Expose sensitive receptors to substantial pollutant concentrations? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e) Create objectionable odors affecting a substantial number of people? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

IV. BIOLOGICAL RESOURCES—Would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

V. CULTURAL RESOURCES -- Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Disturb any human remains, including those interred outside of formal cemeteries? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

VI. GEOLOGY AND SOILS -- Would the project:

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: | | | | |
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ii) Strong seismic ground shaking? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iii) Seismic-related ground failure, including liquefaction? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iv) Landslides? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Result in substantial soil erosion or the loss of topsoil? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

HAZARDS AND HAZARDOUS MATERIALS—
Would the project:

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

VIII. HYDROLOGY AND WATER QUALITY—Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Violate any water quality standards or waste discharge requirements? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f) Otherwise substantially degrade water quality? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| j) Inundation by seiche, tsunami, or mudflow? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

IX. LAND USE AND PLANNING—Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Physically divide an established community? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Conflict with any applicable habitat conservation plan or natural community conservation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

X. MINERAL RESOURCES—Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XI. NOISE—Would the project result in:

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) For a project within the vicinity of a private airstrip, would the project expose people | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

residing or working in the project area to excessive noise levels?

XII. POPULATION AND HOUSING—Would the project:

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XIII. PUBLIC SERVICES

- a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

- | | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| Fire protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Police protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Schools? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Parks? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Other public facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XIV. RECREATION—

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XV. TRANSPORTATION/TRAFFIC—Would the project:

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Result in inadequate emergency access? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f) Result in inadequate parking capacity? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

XVI. UTILITIES AND SERVICE SYSTEMS—Would the project:

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| g) Comply with federal, state, and local statutes and regulations related to solid waste? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

		Less Than Significant		
Potentially Significant Impact	With Mitigation Incorporation	Less Than Significant Impact	No Impact	

XVII. MANDATORY FINDINGS OF SIGNIFICANCE:

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

ENVIRONMENTAL CONSEQUENCES OF THE PROPOSED PROJECT

This section considers impacts of the proposed project, including short- and long-term impacts of project actions (construction and operation), and indirect (secondary) impacts from projects actions. The analysis presented in this section evaluates whether or not there is potential for significant environmental impacts to occur as a result of the proposed project. This section, as with all sections in this document, is structured to conform to environmental documentation requirements.

For each issue area, a description of thresholds of significance is provided. These thresholds provide guidance in the Lead Agency's determination as to whether there is potential for significant effects on the environment. One of the following four responses is provided for each issue with regard to the significance of any identified environmental effects:

- g) *No Impact.* The proposed project will not have any measurable impact on the environmental factor being analyzed (e.g., the project will not discharge into a municipal drinking water supply, therefore there will be no impacts on drinking water quality).
- h) *Less Than Significant Impact.* The proposed project will have the potential for impacting the environmental factor under consideration, although this impact will be below established thresholds (e.g. the project will result in discharge to surface waters, but it is not expected that such discharge will result in exceedance of established water quality standards).
- i) *Potentially Significant Impact Unless Mitigation Incorporated.* The proposed project will have the potential to generate impacts that result in exceedance of the threshold significance criteria, but measures such as a change in project design will mitigate such impacts to levels that are less than significant.
- j) *Potentially Significant Impact.* The proposed project will have impacts that are considered significant. Additional analysis is required to identify mitigation measures that could reduce these impacts to less than significant levels.

Generally, the above responses are considered only in relation to adverse impacts of a project. It is possible that a project may have one or more beneficial impacts on the resource in question, and discussion of mitigation is not meaningful. In such cases, beneficial impacts are identified in the analysis but are evaluated to be less than significant for purposes of the Environmental Checklist. An explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

CEQA Supplemental Information – Impact Analysis

The following sections provide explanation of responses to the referenced Checklist questions.

I. Aesthetics

A, B, C, and D.

No Impact. The project will be built within an enclosed existing well site and will not impact aesthetic resources or affect the existing visual character of the area.

II. Agriculture Resources

A, B, and C.

No Impact. The project site is not located in an agricultural use area, therefore this issue is not applicable.

III. Air Quality

Significance Criteria

Project actions are evaluated in reference to the following:

- A. Conflict with or obstruction of implementation of an applicable air quality plan;
- B. Violation of any ambient air quality standard, or contribute to an existing or projected air quality violation;
- C. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard;
- D. Exposure of sensitive receptors to pollutants;
- E. Create objectionable odors affecting a substantial number of people.

In addition, the South Coast Air Quality Management District (SCAQMD) has established emissions thresholds for a number of criteria pollutants. These thresholds apply to both short-term (construction-related) emissions and long-term (operational emissions).

A, B, C, and D.

Less Than Significant Impact. Construction of the project would generate short-term exhaust emissions from construction equipment and motor vehicles. Excavation and compaction of soil for the laying of pipe and the installation of concrete base pads will be required, and based on AQMD Rule 403 FUGITIVE DUST, this as well as other site preparation activities would generate fugitive dust of a short-term, temporary nature. However, the short-term emissions from vehicles and fugitive dust are not expected to violate South Coast Air Quality Management District's existing or projected air quality standards, nor affect a potentially sensitive receptor (dwellings) located adjacent to the project site.

The GAC facility is a closed treatment system, therefore, there will be no impact to air emissions during normal operations.

E.

No Impact. The GAC facility is a closed treatment system and it is not possible for objectionable odors to be released. No impact will occur.

IV. Biological Resources

A, B, C, D, E, and F.

No Impact. The project site is located in an urban area on an existing well site that has been previously cleared and leveled, and is not located in a conservation plan area. No impacts to biological resources will occur.

V. Cultural Resources

A, B, C, and D.

No Impact. The project site is located on an existing water facility and will not impact historical, paleontological, or archaeological resources.

VI. Geology and Soils

A, C, and D.

No Impact. The project site is located on an existing water facility site, upon which a well and related facilities have already been constructed. The site is not located within a fault zone, landslide area, or area of expansive soils, therefore no exposure of people or structures to these hazards will occur.

B.

Less Than Significant Impact. If construction is delayed into the winter season, site preparation would potentially result in some soil erosion due to runoff. In this case, standard erosion control procedures will be in place and erosion impacts will be less than significant.

E.

No Impact. The project will not affect the ability of the soil to adequately support the use of septic tanks or alternative wastewater disposal systems, therefore this issue is not applicable.

VII. Hazards and Hazardous Materials

A, B, and C.

Less Than Significant Impact.

Chlorine has been, and will continue to be used for disinfection of treated drinking water. The solution is classified as a corrosive liquid. Accidental release of chlorine has been evaluated and is addressed in the "Hazardous Materials Business Plan" on file with Los Angeles County Fire Department. The storage tank of the Chlorine solution has a secondary container as required by the Uniform Fire Code, which is designed to prevent the release of the solution into the environment. Transport and handling of the solution will follow specified handling procedures and OSHA requirements. Therefore no significant hazard to the public or personnel is expected.

On a periodic basis, spent carbon from the GAC facility will need to be replaced with newly activated carbon. Due to the fact that the carbon filter will be used to remove carbon tetrachloride, trichloroethylene, and tetrachloroethylene from groundwater, it is anticipated that the spent carbon will have these contaminants. Handling, transportation, and disposal of the spent carbon will comply with all federal, state, and local statutes with regard to the contaminants, therefore no significant hazard to the public or personnel is expected.

D, E, F, and H.

No Impact. The site is not located on a hazardous materials site, nor is it located within two miles of an airport, nor in the vicinity of a private airstrip or wildland area, therefore these issues are not applicable.

G.

Less Than Significant Impact. Site preparation and construction may temporarily result in an increase in traffic in the immediate vicinity of the project site, due to entry/exit of construction vehicles. However it is not expected that this temporary condition will impair or physically interfere with emergency response or evacuation plans of the nearby high school or businesses of the area.

VIII. Hydrology and Water Quality

A, G, H, I, and J.

No Impact. A discharge permit will be obtained from the LA Regional Water Quality Control Board prior to the construction of the facility. The project is not located in a flood hazard area or area subject to seiche, tsunami, or mudflow. No impacts to water quality standards, waste discharge requirements, or exposure of people or structures to floods and related hazards will occur.

B.

Less Than Significant Impact. The project will enable a groundwater extraction well that is currently off-line to go on-line; therefore groundwater extraction from the water table will be incrementally increased. However, this incremental increase is not expected to exceed that which existed prior to the well contamination when the well was on-line.

C, D, E, and F.

Less Than Significant Impact. If construction is delayed into the winter season, site preparation would potentially result in some soil erosion due to runoff. Excavation and compaction of soil for the laying of pipe and the installation of concrete base pads will also be required. In this case, standard erosion control procedures will be in place and impacts on water quality will be less than significant. The facility, after construction, will result in no increase in the amount of impervious surface on the site and therefore in surface runoff. The facility will connect to an existing stormwater system; however, impacts to drainage, stormwater systems, and water quality are not expected to be significant.

IX. Land Use and Planning

A, B, and C.

No Impact. The project is located on an existing well site that will not conflict with general plan designation or zoning. The project site will be compatible with existing land use and have no impact on the physical arrangement of an established community. There is no habitat or natural community conservation plan that is applicable to the site location.

X. Mineral Resources

No Impact. There are no valuable or locally important mineral resources on the site and therefore the project will not impact these resources.

XI. Noise

A, C, D.

Less Than Significant Impact. The noise generated from construction and operation of this facility will be common noise for pipeline and water facility construction and operation. Construction noises will be short-term and will occur only during normal working hours. The temporary additional noise from the construction associated with this project, and periodic noise associated with personnel vehicles and other activities required for maintenance and operation of the facility, are not expected to be significant compared to existing noise levels from the current site use.

B, E, F.

No Impact. The project will not generate groundborne noise, nor is it located within two miles of an airport or in the vicinity of an airstrip, therefore these issues are not applicable.

XII. Population and Housing

No Impact. Project personnel will not reside on the project site, nor will construction of the facility displace people or housing.

XIII. Public Services

A.

No Impact. The project will not require personnel to reside on site, or result in potential for fire or public safety hazard. Therefore the project will not alter existing services, or require new facilities, for fire protection, police protection, schools, parks, or other public facilities. No impacts to these services will occur.

XIV. Recreation

A, B.

No Impact. The project will not require personnel to reside on site or otherwise create conditions under which existing parks and other recreational facilities would be utilized. No impacts to these resources will occur.

XV. Transportation/Traffic

A, B, E.

Less Than Significant Impact. Construction and site preparation will potentially generate a temporary increase in traffic on Prospect Avenue due to entry/exit of construction vehicles to/from the project site. However, this temporary condition is not expected to significantly affect existing traffic loads and capacity of the street system, levels of service, or emergency access on Gage Avenue. The contractor will be required to adhere to all safety measures including but not limited to a special person designated to direct entry/exit traffic.

C, D, F, and G.

No Impact. The project will not affect air traffic patterns or increase hazards due to design features. All maintenance and operation personnel will park on site on a temporary basis as needed. The project will not require any increase in parking capacity of the area or result in inadequate parking capacity. The project will not conflict with alternative transportation policies, plans, or programs.

XVI. Utilities and Service Systems

A, D, and E.

No Impact. The project will not generate wastewater, or require new water supplies or entitlements, therefore impacts to these resources will not occur.

B and C.

Less Than Significant Impact. The project consists of construction of a new water treatment facility in order to address an existing problem of water contamination. The construction is therefore expected to have beneficial environmental effects. The facility will result in no

increase in impervious surface and therefore runoff from the site. This facility will require connecting to the existing storm water drainage system. A discharge permit will be obtained from the LA Regional Water Quality Control Board prior to the construction of the facility.

F and G.

Less Than Significant Impact. On a periodic basis, spent carbon from the GAC facility will need to be replaced with newly activated carbon. Due to the fact that the carbon filter will be used to remove trichloroethylene from groundwater, it is anticipated that the spent carbon will have the contaminants. Disposal of the spent carbon will comply with all federal, state, and local statutes with regard to this contaminant, and is not expected to significantly affect the capacity of the disposal facility to which it is transported.

XVII. Mandatory Findings of Significance

A.

No Impact. The CEQA Guidelines require a discussion of potential cumulative impacts that could result from a proposed project in conjunction with others in the vicinity. The cumulative impact of several projects is the change in the environment that results from the incremental impact of the project when added to other closely related past, present, or reasonably foreseeable projects. (Guidelines Section 15355).

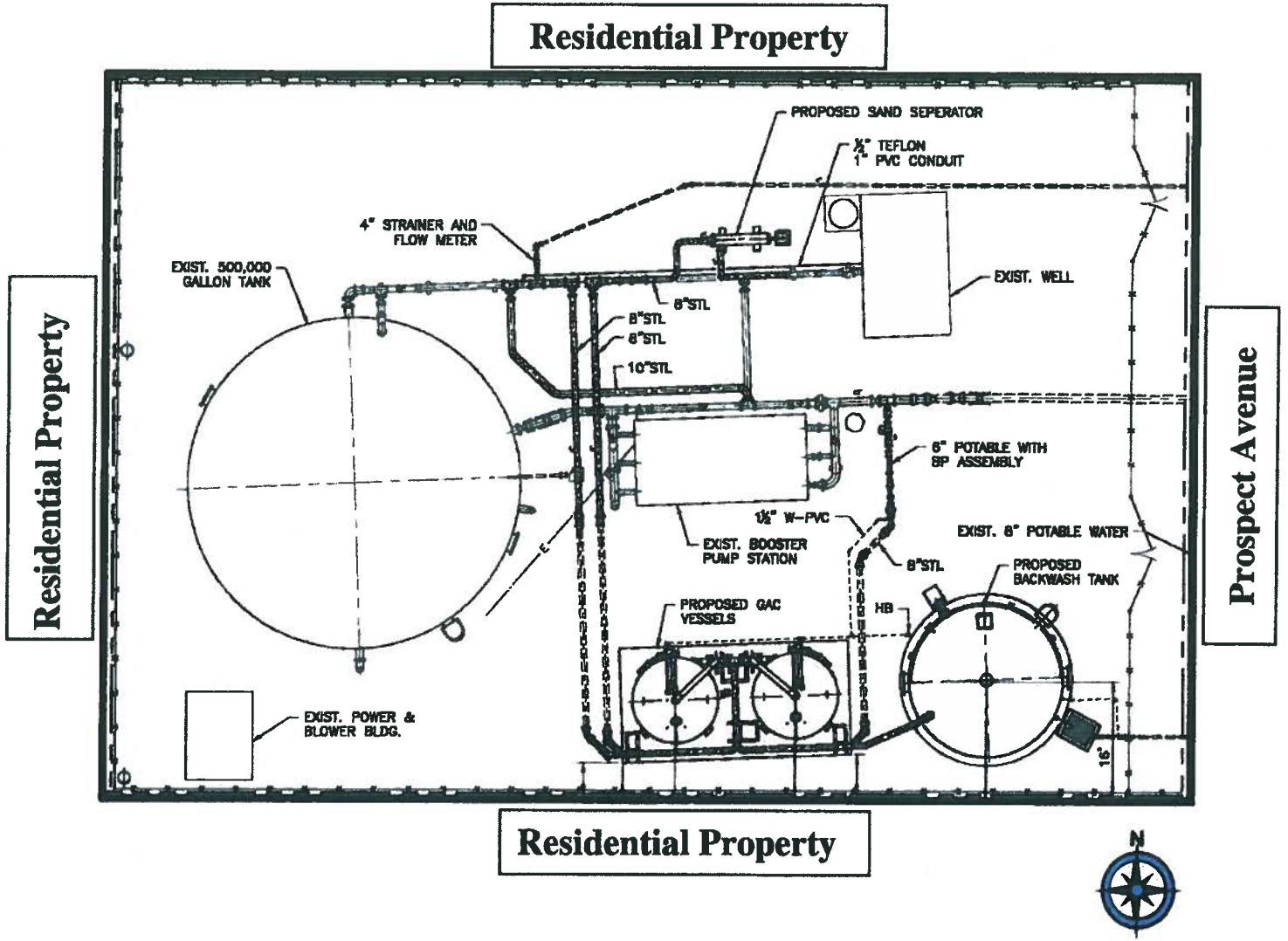
The vicinity is defined by the immediate areas surrounding the proposed project site. Based on past and current similar projects, this project should have no incremental effect and thus is not significant. The environmental conditions would essentially be the same whether or not the proposed project is implemented.

The project will have a beneficial impact on the environment by treating an existing water contamination problem, and therefore will not have the potential to degrade the quality of the environment.

B and C.

Less Than Significant. Project construction, operation, and maintenance has the potential to cause temporary and/or periodic effects on fugitive dust, soil erosion, and traffic, but these effects are expected to be negligible in comparison to the existing conditions of this urbanized environment. Adverse project impacts, whether direct or indirect, on the environment and on human beings will be less than significant.

MAYWOOD MUTUAL WATER COMPANY
 PROSPECT WELL
 SITE MAP





MEMORANDUM

ITEM NO. 7

Prepared by: Paul Fu
Reviewed by: Ted Johnson
Approved by: Robb Whitaker

DATE: NOVEMBER 23, 2011

TO: GROUNDWATER QUALITY COMMITTEE

FROM: ROBB WHITAKER, GENERAL MANAGER

SUBJECT: REVISED CONTRACT SERVICES AGREEMENT BETWEEN WRD AND CITY OF TORRANCE FOR GOLDSWORTHY DESALTER

BACKGROUND

On June 19, 2007, WRD and City of Torrance (City) entered into a Contract Services Agreement (Agreement) for the operation of the Goldsworthy Desalter (Desalter). The Agreement also sets a water pricing structure for City to purchase from WRD for water produced by the Desalter. The term of the Agreement will expire by December 31, 2011. A revised Agreement is required to allow the Desalter to continue to produce water using the City's pumping rights starting Year 2012.

FISCAL IMPACT

None at this time.

STAFF RECOMMENDATION

For discussion.