

**PUBLIC NOTICE
CITY OF GLENDALE**

**NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION
AND EA/FNSI NOTICE OF AVAILABILITY
CHROMIUM 6 DEMONSTRATION WATER TREATMENT FACILITIES PROJECT**

NOTICE IS HEREBY GIVEN:

The City of Glendale will be the Lead Agency for the adoption of a California Environmental Quality Act (CEQA) Mitigated Negative Declaration (MND) and the US Environmental Protection Agency will be the Lead Agency for the adoption of a National Environmental Policy Act (NEPA) Finding of No Significant Impact (FNSI) prepared for the following project:

The proposed project includes the construction of two different viable chromium 6 demonstration water treatment facilities using two different technologies. The sites for these facilities will be at the existing Well Site GS-3 in the City of Los Angeles on Goodwin Street near San Fernando Road, and the other in the Glendale Water and Power Field Operations Center adjacent to the existing Glendale Water Treatment Plant (GWTP) on Flower Street. Well Site GS-3 and the Glendale Water Treatment Plant (GWTP) are part of a U.S. Environmental Protection Agency (EPA) federal Superfund project and the chromium 6 demonstration facilities would be added to the existing water facilities at these sites.

The project is located at: 800 Flower Street, Glendale and 4041 ½ Goodwin Avenue, Los Angeles, Los Angeles County, California

The Draft MND/FNSI and Initial Study/Environmental Assessment and all documents referenced therein are available for review in the following locations:

City of Glendale Planning Department
633 East Broadway, Room 103
Glendale, California 91206-4386

Glendale Water and Power
141 N. Glendale Avenue, Level 4
Glendale, California 91206-4496

Information on public hearings or meetings for the proposed project can be obtained from Glendale Water and Power at (818) 548-2107. Written comments may be submitted to the Planning Department office at the address listed above for a period of thirty (30) days after publication of this notice.

Public Notice Published:

September 7, 2007

Proposed Negative Declaration Comment Period:

September 7, 2007 to
October 7, 2007

**Environmental Assessment/Negative Declaration
and Initial Study**

for the

**CHROMIUM 6
DEMONSTRATION SITES**

**Prepared by:
City of Glendale, Planning Department
633 E. Broadway Rm. 104
Glendale, CA 91206**

**Prepared for:
Glendale Water & Power
141 N. Glendale Avenue
Glendale, CA 91206**

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1.0 INTRODUCTION: NEPA & CEQA

This document is a joint Environmental Assessment and Negative Declaration (EA/ND) with an Initial Study, intended to meet the requirements of both the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA). The purpose of the EA/ND is to assess the potential environmental effects of implementing the **Chromium 6 Demonstration Sites** project (proposed action/proposed project) and to determine if approval of the requested discretionary actions and subsequent development would have a substantial adverse effect on the environment. The action is proposed by Glendale Water & Power as the lead agency under CEQA with the assistance of a state grant administered by the California Department of Health Services and a Federal grant administered by the U.S. Environmental Protection Agency (EPA), which is the lead agency under NEPA. In accordance with both NEPA and CEQA, this draft EA/ND is subject to a 30-day public review period.

NEPA

This document constitutes a draft **Environmental Assessment**, pursuant to NEPA, which will determine if the proposed project, with conditions, will qualify for a Finding of No Significant Impact (FONSI). Following consultation with appropriate agencies and local stakeholders, and subsequent public review, the draft document will be revised to a final version, including answers to all comments received. Once the EA/ND is complete, the EPA will either issue a FONSI or decide to prepare an Environmental Impact Statement (EIS) under NEPA.

Differences exist in the way adverse effects of a proposed project are addressed between NEPA and CEQA. Under NEPA, the discussion focuses upon potentially “adverse effects” whereas CEQA is concerned with “significant impacts.” Here “adverse effect” is used to distinguish between a potentially beneficial effect or impact and deleterious ones. Additionally, while CEQA requires environmental analyses to determine whether an impact is expected to be nonexistent (“no impact”), “less than significant”, “less than significant with mitigation incorporated”, or “potentially significant”, NEPA does not require this.

According to NEPA, the EA discusses the degree to which a resource is adversely affected and this is used to determine which subsequent document is necessary (e.g., an EIS or FONSI). Once the applicable federal agency (in this case, the EPA) has determined the magnitude of the action’s adverse effects and the level of environmental documentation required, it is the magnitude of the adverse environmental effects that is evaluated in the environmental document and no judgment of its degree of significance is recognized in its analysis. Here, determinations regarding significance are made in the context of CEQA and are included as the Initial Study Checklist in Appendix A.

CEQA

The CEQA process, established by state law, requires the review of proposed projects in order to identify and address potential environmental effects. A public agency must comply with CEQA when it undertakes an activity defined as a "project." In accordance with CEQA, a project is an activity undertaken by a public agency or a private activity which must receive some discretionary approval (whereby the agency has the authority to deny the requested permit or approval) from a government agency which may cause either a direct physical change in the environment or a reasonably foreseeable indirect change in the environment. Once a public project or a project requiring discretionary approval is identified, a determination must be made regarding whether the project is exempt from CEQA.

Projects which are not exempt from CEQA require a Negative Declaration (ND) or an Environmental Impact Report (EIR). When a project does not result in any significant environmental effects, or project modification and/or mitigation measures reduce these impacts to a less-than-significant level, a Negative Declaration is prepared. An EIR must be prepared if a project may have one or more potentially significant environmental effects that cannot be mitigated to a less-than significant level. The appropriate level of environmental documentation required for a project can be determined through the use of an Initial Study checklist. Appendix A includes the CEQA Initial Study checklist prepared for the proposed project.

The **Negative Declaration** (ND) and Initial Study contained herein have been prepared in accordance with CEQA (Public Resources Code §21000), the State CEQA Guidelines (Title 14, California Code of Regulations, §15000), and the City of Glendale CEQA Guidelines (amended August 19, 2003).

City Process

This EA/ND document is required for the following discretionary actions for the proposed project: grant funding under the DHS “Proposition 50 Program” and City of Glendale and/or City of Los Angeles implementing actions or approvals (advertising for bids, award of contracts, encroachment permits, fire code compliance, etc.).

Prior to approving the project, the decision-making body of the lead agency must consider this document together with any comments received during the public review process. The decision making body will adopt the document only if it finds on the basis of the whole record before it that there is no substantial evidence that the project will have a significant effect on the environment and that the document reflects the lead agency’s independent judgment and analysis.

Upon completion of the public review period, the environmental document will be evaluated via a governmental decision-making process. Initially, Glendale Water & Power will consider the environmental document along with any comments received during the public review process. Ultimately, final consideration and adoption of the environmental document and project approval will be done by the Glendale City Council. During the decision-making process, opportunities to address the decision-makers concerning the project will be provided through public hearings. Notification of hearings can be obtained from the City Clerk at City Hall, 613 E. Broadway, Rm. 110, Glendale, California by telephoning (818) 548-2090, or online at <http://www.ci.glendale.ca.us/agenda.asp>.

The analysis in this document assumes that, unless otherwise stated, the project will be designed, constructed and operated following all applicable laws, regulations, ordinances and formally adopted City standards.

The subsequent sections of this document contain a discussion of the proposed project, its potential environmental impacts, and recommendations regarding necessary environmental documentation.

1.1 PROJECT SETTING AND BACKGROUND INFORMATION

If approved, the proposed project—chromium 6 demonstration treatment facilities—would be located at two different locations; one in the City of Los Angeles and the other in the City of Glendale. The proposed Los Angeles facility is located at 4041 ½ Goodwin Avenue in the City of Los Angeles within a paved truck parking area that is part of a large Ralph’s Grocery

Company warehouse complex. The second proposed facility is located at 800 Flower Street in the City of Glendale within the Glendale Water & Power yard and adjacent to the Glendale Water Treatment Plant.

The objective of the proposed project is to construct two different viable chromium 6 demonstration water treatment facilities using two different technologies. The sites for these facilities will be at the existing Well Site GS-3 in the City of Los Angeles on Goodwin Street near San Fernando Road, and the other in the Glendale Water and Power Field Operations Center adjacent to the existing Glendale Water Treatment Plant (GWTP) on Flower Street. Well Site GS-3 and the Glendale Water Treatment Plant (GWTP) are part of a U.S. Environmental Protection Agency (EPA) federal Superfund project. The chromium 6 demonstration facilities would be added to the existing water facilities at these sites.

The Superfund facilities were completed in year 2000 to extract contaminated groundwater supplies in the San Fernando Valley and remove volatile organic compounds (VOCs) in the water supplies. This particular Superfund project consists of eight extraction wells (the four in Glendale are identified as “GN” wells and four in Los Angeles are identified as “GS” wells), the GWTP (for VOC removal), and a pipeline from a Metropolitan Water District (MWD) water main in Glendale to the treated water supplies from the GWTP. The original purpose of the MWD water supply was to reduce the concentration of nitrates in water deliveries from the GWTP. Collectively these facilities are referred to as the EPA’s Glendale Operable Unit (GOU). Similar operable units were constructed in other parts of the San Fernando Valley to remove VOCs from the groundwater.

The nitrate concentration in the GWTP treated ground water supplies turned out to be lower than anticipated. However, the concentration of chromium 6 turned out to be higher than anticipated and raised concerns in the community as to the safety of the water supplies due to the presence of chromium 6. The water users in the San Fernando Valley cities of Los Angeles, Glendale, and Burbank were very concerned with the presence of the chromium 6 in the water supplies. In particular, this caused the City of Glendale to be very reluctant to use treated groundwater from the GWTP even after blending with MWD water supplies.

A technical review showed that no feasible chromium 6 technology existed to remove chromium 6 from water supplies on a large scale and to low levels. Glendale started working with the cities of Los Angeles, Burbank, and San Fernando as well as Glendale’s federal and state elected officials and developed a three phase \$3 million research effort to identify treatment technologies to remove chromium 6 from drinking water supplies.

Phase I of the effort was a “bench-scale” study conducted primarily at the University of Colorado at Boulder to take a broad look at possible technologies. This \$400,000 effort was managed by the City of Los Angeles and funded by Los Angeles, Glendale, Burbank, and San Fernando, and the American Water Works Association Research Foundation (AwwaRF) to get the research underway as soon as possible. The research team looked at over 40 possible technologies based on a literature search, some laboratory testing efforts, and discussions with academic and engineering professionals. The technology classes included adsorption/chelation, ion exchange, membranes, and reduction/coagulation/filtration.

This research work narrowed the possible technologies to ion exchange, adsorptive media, and reduction/coagulation/filtration (RCF) for further testing at the pilot scale.

Phase II of the effort was a “pilot testing” of the technologies recommended for further testing from Phase I and testing of treatment systems that various vendors of treatment systems stated would remove chromium 6 from the groundwater. This \$750,000 effort was managed by the City of Glendale and funded by an EPA grant to Glendale. Peer review for this research work was provided by a Project Advisory Committee (PAC) consisting of representatives from the Metropolitan Water District, the Los Angeles Department of Water and Power, the California Department of Health Services and the EPA. The pilot testing was performed at the GWTP and the technologies studied included strong base anion exchange (both column- and reactor-based), weak base anion exchange (WBA), adsorptive media, and RCF. These technologies were either an outcome of the Phase I recommendations or selected from proposals provided by treatment vendors to test their systems.

Phase II pilot testing indicated that three technologies were feasible for demonstration-scale testing to achieve the chromium 6 treatment goal: strong-base anion exchange, WBA exchange, and RCF. The WBA exchange process offered significant advantages over strong-base anion exchange (i.e., no brine discharge) and possibly over reduction/coagulation/filtration (i.e., lower capital costs). However, Glendale decided that additional work was needed to confirm the efficacy of the WBA anion exchange technology. No budget was available for further review of this technology in Phase II; consequently, the initial part of the Phase III effort (the “Bridge Project”) further evaluated WBA exchange to determine whether this promising technology was worth testing in at the demonstration-scale.

Phase III is the “demonstration-scale” application of one or two technologies to treat several wells. This \$2 million effort is being managed by the City of Glendale and early research work was funded by the EPA and AwwaRF grants to Glendale. Peer review for this research work is provided by a PAC consisting of representatives from the Metropolitan Water District, the Los Angeles Department of Water and Power, the California Department of Health Services and the EPA. Funding for this demonstration scale testing will come from two EPA grants to Glendale totaling \$900,000, \$100,000 grant from AwwaRF and an expected \$1 million grant from the State of California under the year 2002 Proposition 50 Water Bonds. Glendale has been tentatively approved for this grant pending State approval of the project report submittal and a formal contract, which is very likely.

The first part of the Phase III research work was a “bridge project” to further investigate the WBA exchange treatment that showed great promise at the Phase II pilot testing. The research effort was completed in the fall of 2006 and demonstrated that WBA is a viable technology for chromium 6 treatment of Glendale’s groundwater.

Now with three technologies showing great promise along with detailed cost information, the City of Glendale convened an all-day meeting of an “expert panel” consisting of members of the PAC representing the MWD, the Los Angeles Department of Water and Power (LADWP), the California Department of Health Services (DHS) and the EPA, along with academic support from UCLA, Lehigh University in Pennsylvania, Utah State University, and UNESCO- Institute of Water Education. The expert panel was charged to advise the City on the chromium 6 treatment technologies that should be further tested at the demonstration scale. They reviewed the maturity of the technologies, the likelihood that the technologies would be approved for use by the federal and state regulatory agencies, and the cost-effectiveness.

The expert panel, after a full day of presentations and discussion, recommended to Glendale the RCF technology and the WBA technology for the demonstration-scale program and

recommended further testing to identify the chemical mechanics of the WBA technology. The City of Glendale accepted these findings and proposes to proceed with the further testing of these treatment systems with the WBA at the GS-3 well site, and RCF at the Glendale Water Treatment Plant.

The selection of the identified technologies was based on extensive studies and review by an expert panel of members from water agencies, regulatory agencies, and universities. This gave great assurance to Glendale that these were the technologies that should be further tested.

1.2 PROJECT PURPOSE AND NEED

The objective of the project is to construct two different viable demonstration facilities using two different technologies for the removal of chromium 6 in groundwater.

The demonstration project will solve the primary problem of chromium 6 in Glendale's drinking water supplies by removing the contaminant from the water and improving water quality and potentially public health. Expected results include a decrease in chromium 6 levels in Glendale's groundwater supply from the affected well(s), construction of one or two facilities for treatment of chromium 6, preparation of a detailed operations and maintenance (O&M) manual that can be used as a reference for other utilities implementing chromium 6 treatment, and development of better cost information on chromium 6 treatment at full-scale, including capital and operations costs. On a larger scale, demonstration study results will also increase the body of knowledge on chromium 6 treatment to low levels, which is intended to inform the DHS establishment of a chromium 6 maximum contaminate level (MCL).

Information that will be gained from the demonstration project includes treatment technology verification of effectiveness at full-scale, evaluation of O&M needs for the treatment systems, and use of a contaminated groundwater source with the removal of chromium 6 concentration. In addition to being a more cost-effective supply (according to the Proposition 50, Chapter 6b, Technical Report, December 2006), benefits of the study also include development of one or two technologies that can then be applied at other water utilities with chromium 6 contamination.

Location

The proposed chromium 6 demonstration facilities are proposed at two separate locations; one in the City of Los Angeles and the other in the City of Glendale. The proposed Los Angeles facility is located at 4041 ½ Goodwin Avenue in the City of Los Angeles within in a paved truck parking that is part of a large Ralph's Grocery Company warehouse complex. The second proposed facility is located at 800 Flower Street in the City of Glendale within the Glendale Water & Power yard and adjacent to the Glendale Water Treatment Plant. A photo, site plan and site vicinity map for each site is included in Appendix C.

1.3 PROJECT DESCRIPTION

The proposed project involves the implementation of two separate chromium 6 demonstration facilities located in two separate locations. A detailed description of each site is provided in Section 1.3.1 "Proposed Action" below.

1.3.1 PROPOSED ACTION

Well GS-3 Demonstration Site

This existing well site is located adjacent to Goodwin Street close to San Fernando Road in the City of Los Angeles and is one of the four Glendale South (GS) well sites constructed in the general area as part of the GOU facilities. The GS-3 well site currently consists of a below ground well extraction facility, two steel vessels that were constructed around year 2003 to be part of a VOC removal project, electrical control panel, concrete containment area under the steel vessels, and underground piping. These facilities are constructed within a paved truck parking area that is part of Ralph's Grocery Company warehouse/distribution system. The area is paved with asphalt concrete and is relatively flat. The existing well has a capacity of 433 gallons-per-minute (gpm) and produces water with a high concentration of chromium 6 at 35 parts-per-billion (ppb), thus making it an excellent site for construction of the demonstration facilities.

The plan is to implement a WBA exchange treatment system. The treatment process involves pumping water from the well, adding a small amount of acid to the water to adjust the pH of the water, sending the water through the steel vessels containing resin, and conveyance of the treated water to the GWTP for VOC removal. The steel vessels will contain a patented "resin" (much like that found in the typical water softener system) that is designed to remove the chromium 6 in the water. To implement this plan, the only noticeable additions to the well site are (1) the installation of an acid storage tank with a capacity of on the order of 2,000 gallons, (2) a chemical injection system to inject the acid into the water, (3) minor above and below ground water piping, (4) likely low voltage electrical systems to operate the chemical injection system, and (5) a small water storage tank. The acid storage tank will comply with all Fire Department regulations relative to storage and use including such items as double containment, separation from adjacent buildings, signage and personnel training.

It is anticipated that the acid storage tank will have sufficient capacity so that only two to four deliveries per month will be required. The resin in the steel vessels will be removed after about 9 months of operation and sent to an appropriate disposal site or regenerated offsite for later use. The deliveries of acid to the site will likely travel the Route 5 Freeway exiting the freeway at Colorado Avenue and entering the Ralph's Grocery Complex within a short distance from the off-ramp. Again only two to four deliveries per month are anticipated.

The existing and proposed facilities are proposed to be within an existing easement area leased by the City of Glendale that expires around year 2011. If necessary, Glendale would work with Ralph's to make minor enlargements to the easement area and extend the lease period beyond the year 2011 time frame. Also, the EPA could require continued operation of the GOU including well GS-3 to remove the VOCs, which will also require an extension of the easement time.

Glendale Water Treatment Plant Demonstration Site

The plan for this project is to install the RCF demonstration facility adjacent to the GWTP to remove chromium 6 from wells GN-2 and GN-3. The RCF facility would be located on the Field Operations Center for the Glendale Water and Power Department. These existing wells have high concentrations of chromium 6, which make them good candidates for treatment. Well GN-2 is located on the site of the DreamWorks Animation Studios at Flower Street and Grandview Avenue, and well GN-3 is located at Grandview Avenue and Grand Central Avenue on the site of Disney's Grand Central Creative Campus. Currently there are four GN wells in this general area, including GN-2 and GN-3, with a collection pipeline used to convey water

from all four wells to the GWTP. Part of the proposed project is to construct a dedicated pipeline in Grandview Avenue, Grand Central Avenue and Flower Street to convey water from the two high chromium 6 wells GN-2 and GN-3 to the chromium 6 RCF treatment plant adjacent to the GWTP. This pipeline would be about 1,800 feet long and be up to 12-inches in diameter. Without the dedicated pipeline, Glendale would have to build a higher capacity chromium 6 treatment plant and would be required to remove the chromium 6 from the four “GN” wells at a much greater cost.

The GWTP fronts on Flower Street and the RCF facility would be adjacent to the GWTP. The area to be occupied by the RCF facilities is currently paved with asphalt concrete, used as a storage area, relatively flat, and in a industrial zoned area. The capacity of the treatment system would range from 100 gallons-per-minute (gpm) to 1,100 gpm.

The RCF treatment process involves pumping water from existing Wells GN-2 and GN-3 through a dedicated pipeline from the two wells to the site of the RCF demonstration facilities. The RCF treatment process involves the addition of a non-hazardous chemical (ferrous sulfate) into the well water as part of the process to convert the chromium 6 in the water to chromium 3 (a non-hazardous form of chromium), a reduction tank for the chemical reaction to occur, aeration chamber to speed the reaction, and a filtration vessel to remove the particles. The particles formed will be disposed in a manner as required by law. There will also be various other features like under-ground and above-ground piping, electrical control facilities, chemical feed pumps, electrical/mechanical equipment, water pumps, water storage tanks, filter belt press (or roll-off bin for solid waste), and chemical storage facilities typically found at water treatment plants. None of the chemicals proposed for use at the site are considered to be hazardous. The treated water from the demonstration facility will be delivered to the existing GWTP for further treatment before the water is delivered to the Glendale customers.

1.3.2 MITIGATION

1. An archeologist who meets the Secretary of the Interior’s Standards for Archeology shall be present during ground disturbing activities.

1.3.3 PROJECT PHASING

The proposed schedule for demonstration study completion is shown in Appendix B. The schedule highlights time needed for the tasks listed in Appendix B. Minor changes to the existing easement may be necessary at site GS-3. Preparation of other plans that affect the project (such as the Labor Compliance Plan) will be conducted within the current time frame.

1.4 REQUIRED PERMITS AND APPROVALS

The project team will seek and obtain all relevant permits, regulatory program applications, and environmental management certifications for the demonstration study. The project team will interface with appropriate authorities and provide the documentation necessary to receive all required authorizations for operation of the demonstration testing to serve the Glendale customers. Agencies that will likely be included in this task include the DHS, Los Angeles Regional Water Quality Control Board, the Air Quality Management District (AQMD), and the City of Los Angeles.

2.0 ALTERNATIVES

NEPA requires consideration of alternatives to the proposed action (proposed project); these are presented here.

The proposed demonstration study breaks new ground by testing the first treatment technology for chromium 6 removal to low levels in drinking water. This project builds upon years of bench- and pilot-scale testing. The treatment facility will provide Glendale with the ability to meet the chromium MCL in the future despite projected chromium 6 concentration increases in their wells. The proposed treatment technologies will be cost-effective compared to replacement water from MWD.

In addition to offering cost-effective alternatives, testing of the WBA resin will offer small utilities or wells in larger utilities a less labor-intensive treatment option compared to RCF. For larger utilities and/or larger flows, RCF may be more attractive for chromium 6 treatment due to lower costs.

This demonstration study will be useful in determining actual costs of chromium 6 drinking water treatment for one or more technologies. Until now, only feasibility-level costs have been available.

Other alternative methods for removal of the chromium 6 were evaluated during the testing phase outlined in Section 1.1 of this report. However, alternative sites were not evaluated since the treatment facilities and well locations would not themselves result in impacts. In addition, the chromium 6 contamination requiring remediation is limited to those areas where the wells are located.

2.1 Proposed Action (Alternative 1)

Alternative 1 is the Proposed Action, as discussed in section 1.3, *Project Description*, above. In brief, the Proposed Action Alternative involves the addition of chromium 6 removal systems to existing wells in the City of Los Angeles and City of Glendale. The expected environmental effects of the proposed project are detailed by subject in the ensuing section 3.0, *Affected Environment and Environmental Consequences*.

2.2 No Action (Alternative 2)

Under the No Action Alternative, the proposed project site area would remain in its current state and no chromium 6 removal systems would be installed. The No Action Alternative is not expected to result in any changes to the site because, in the absence of the proposed project, it is expected that the existing environmental conditions would persist. Although the No Action Alternative would result in no new environmental alterations, it would not meet the purposes and needs of the proposed project to remove chromium 6 levels in the San Fernando Valley groundwater supplies.

2.3 Alternative Sites (Alternative 3)

Alternative 3—the Alternative Sites Alternative—reflects the necessity of removing chromium 6 from the San Fernando groundwater supplies to provide better quality of drinking water to Glendale’s residents. This would not be feasible if the project was located outside of the San Fernando groundwater basin. This Alternative is not deemed to be realistic for consideration

here due to the fact that the chromium 6 contamination exists within the extraction wells proposed as part of the project. It would not make sense to located a chromium 6 removal program in wells were the contamination does not currently exist. Thus, this Alternative will not be explored in further detail for the currently proposed project.

2.4 Alternative Technologies Action (Alternative 4)

The Alternative Technologies Action Alternative examines the possibility of reducing the proposed project's environmental impacts by utilizing a different method of chromium 6 removal for the San Fernando groundwater basin. These technologies were included in previous phases of project development as explained in greater detail in Section 1.1, *Project Setting and Background Information*.

Alternative 4, the Alternative Technologies Action, would then include the installation of chromium 6 removal systems at the same extraction wells; however, the process for removal would be different in costs associated with the technologies as well as the speed at which chromium 6 could be effectively removed from the groundwater.

3.0 AFFECTED ENVIRONMENT AND ENVIRONMENTAL CONSEQUENCES

The discussion of the affected environment generally covers the environmental parameters that will be further analyzed under the “Environmental Consequences” section (below). These are addressed in an order and format that meets the needs of both CEQA and NEPA (The CEQA Initial Study Checklist format is included as Appendix A.):

Project Site and Vicinity

The sites for these facilities will be at Well Site GS-3 in the City of Los Angeles on Goodwin Street near San Fernando Road (4041 ½ Goodwin Avenue, Los Angeles) and in the corporate yard of the Glendale Water and Power Field Operations adjacent to the existing Glendale Water Treatment Plant (GWTP) on Flower Street (800 Flower Street, Glendale). Well Site GS-3 and the GWTP are part of a U.S. Environmental Protection Agency (EPA) federal Superfund project and the chromium 6 demonstration facilities would be added to the existing water facilities at these sites.

The Goodwin project site is surrounded by industrial uses to the north, east, and west that include a one-story plating plant and a three-story Ralph’s distribution facility and associated parking area. Single-family residential development is located to the south across Goodwin Avenue.

The Flower project site is surrounded by industrial uses to the south, east and west, that include the Glendale Water Treatment Plant and the Field Operation Center for the Glendale Water and Power Department and associated parking and storage area. A commercial/office area that is part of Disney’s Grand Central Creative Campus is located to the north across Flower Street.

Related Uses and Projects

No related uses or projects have been identified.

The following is a narrative summary of the proposed project’s expected environmental effects; these are also presented in the CEQA Initial Study checklist (included as Appendix A).

3.1 BIOLOGICAL RESOURCES

3.1.1 Affected Environment

The Biological Resources section addresses the potential environmental effects of the proposed project (or Proposed Action) and alternatives on vegetation and habitat, wildlife, riparian and wetland resources, and threatened and endangered species.

The proposed GS-3 project would be located entirely within the existing boundaries of the Ralph’s distribution facility parking lot. The proposed GWTP project would be located entirely within the existing boundaries of the Glendale Water and Power Department’s Field Operation Center, which has already been developed; therefore, no conflict with local, regional or state Conservation Plans are expected. The area contains industrial activities and does not support riparian habitat, habitat for any threatened or endangered species, federally protected wetlands, or migratory corridors. Due to the urban and predominately industrial location of the project sites, the project is not expected to result in an adverse effect (or for the purposes of CEQA, significant impact) to biological resources.

3.1.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts to biological resources. No impacts

to biological resources would be expected if the proposed project is not implemented (Alternative 2).

3.1.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to adversely or significantly impact existing biological resources.

3.2 CULTURAL RESOURCES

3.2.1 Affected Environment

There are no buildings or structures located at either project site. The GS-3 well site is located adjacent to an existing one-story plating plant, and close to a three-story warehouse building used by the Ralph's Grocery Company. However, these buildings are not considered to be historic resources nor would any changes to the buildings occur. No impacts are anticipated.

Excavation would occur within the public right-of-way located in Grandview Avenue, Grand Central Avenue and Flower Street for the installation of the dedicated pipeline. These areas have been previously disturbed and are not likely to uncover undiscovered resources.

A record search was conducted by the South Central Coastal Information Center (SCCIC) in April of 2007 for the project sites. The search included a review of all recorded archaeological sites within ½-mile radius of the project site as well as a review of cultural resource reports of file. In addition, the California Points of Historical Interest (PHI), the California Historical Landmarks (CHL), the California Register of Historical Places (CR), the National Register of Historical Places (NR), the California State Historical Resources Inventory (HRI), and the City of Los Angeles Historic-Cultural Monuments listing were reviewed for the project sites. A search of the Glendale Register List of Historical Resources (GR) was conducted by city staff.

The search concluded that there is no historical resources are located on either project site. A total of 15 cultural resource studies have been conducted within ½-mile radius of the project sites. Of these, none are located within the project sites.

The SCCIC report recommends that because the project sites are within proximity to the Los Angeles River, an archeological monitor should be in place for ground-disturbing activities. In consultation with the State Historic Preservation Office (SHPO), the EPA concurs with the Section 106 evaluation that no historic properties would be affected pursuant to 36 CFR Part 800.4(d)(1), provided that a archeologist who meets the Secretary of the Interior's Standards for Archeology be present during ground disturbing activities. As a result, a mitigation measure has been added to the project requiring the presence of such an individual. Implementation of the mitigation measure would ensure that no significant impacts would occur.

3.2.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts to cultural resources. No impacts to cultural resources would be expected if the proposed project is not implemented (Alternative 2).

3.2.3 Mitigation

An archeologist who meets the Secretary of the Interior's Standards for Archeology shall be present during ground disturbing activities.

3.3 HYDROLOGY AND WATER QUALITY

3.3.1 Affected Environment

The Goodwin Site treatment process involves pumping water from the well, adding a small amount of acid to the water to adjust the pH of the water, sending the water through the steel vessels containing resin, and conveyance of the treated water to the GWTP for VOC removal. The treated water will then be delivered to Glendale customers. Only minimal amounts of discharge water are anticipated. Therefore, no impacts are likely to occur. The Glendale project involves constructing water treatment systems and likewise would convey the water to the GWTP.

The proposed project involves the withdrawal of groundwater for the purpose of removing chromium 6. The groundwater that will be withdrawn for the removal of chromium 6 is part of the City's water supply and the amount of groundwater removed would not exceed that allocated to the city through various water rights decisions. No impacts are anticipated.

The proposed project would not substantially alter the drainage pattern of the site, or alter the course of a stream or river since the drainage patterns will be similar to the existing conditions. No impacts are anticipated.

No housing currently exists on the project site and no new housing is proposed. In addition, no portion of the project site is located within a 100-year floodplain or other flood hazard area, as shown on the latest FEMA Flood Insurance Rate Map. As a result, no adverse impacts to hydrology or water quality are anticipated.

3.3.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts to biological resources. No impacts to biological resources would be expected if the proposed project is not implemented (Alternative 2).

3.3.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to adversely or significantly impact existing biological resources.

3.4 RECREATION

3.4.1 Affected Environment

The proposed project involves minimal new construction and would produce no significant changes in population densities since there are no increase in the workforce would be necessary for the proposed project. Additionally, the proposed project will not require additional workers. Thus, there will be no increase in the use of existing neighborhood and regional parks or other recreational facilities. The project does not include recreational facilities or require the construction or expansion of existing recreational facilities. No impacts would occur.

3.4.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts to biological resources. No impacts to biological resources would be expected if the proposed project is not implemented (Alternative 2).

3.4.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to adversely or significantly impact existing biological resources.

3.5 AIR QUALITY

3.5.1 Affected Environment

The South Coast Air Quality Management District (SCAQMD) is the air pollution control district with jurisdiction over the South Coast Air Basin, which includes the proposed project site. The SCAQMD is responsible for the Air Quality Management Plan (AQMP) for the Basin, which is a comprehensive air pollution control program for attaining the state and federal ambient air quality standards. The proposed project is therefore subject to the AQMP. The City has an adopted Air Quality Element that is part of the General Plan. The Air Quality Element contains policies and goals for attaining state and federal air quality standards, while simultaneously facilitating local economic growth, and it includes implementation strategies for local programs contained in the AQMP. Adverse impacts would occur if the proposed project was inconsistent with the AQMP or the Air Quality Element of the City's General Plan.

The South Coast Air Basin is a non-attainment area for ozone, carbon monoxide, and fine particulate matter. In determining attainment and maintenance of air quality standards, the SCAQMD has established thresholds of significance for these and other criteria pollutants. A significant impact would occur if the project resulted in substantial emissions during construction or operation which would exceed the established thresholds. Construction and operation emissions were estimated for the project using the AQMD Urban Emissions Model or URBEMIS; results indicate that the project would not exceed allowable limits (See table below.).

The proposed project would not result in any significant air quality impacts associated with project operation since the project would only include an electric motor for the pumping system. Furthermore, the groundwater removed from the wells will be completely contained within the treatment vessels and associated piping. No tanks would be exposed to the atmosphere.

The project includes the development of two small groundwater remediation systems for the purpose of removing chromium 6 from groundwater. Construction of the proposed project would generate some emissions due to equipment exhaust, ground disturbing activity associated with the installing of the dedicated pipe lines. Since the groundwater would be completely contained within the remediation system, emissions from implementing of the proposed project will not be significant.

3.5.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts associated with air quality. No air quality impacts are expected if the proposed project is not implemented. (Alternative 2).

3.5.3 Mitigation

Because the proposed project is not expected to result in adverse or significant air quality impacts, no mitigation measures are required. (Please note that standard City construction practice includes measures such as covering piles of excavated material and periodic watering to reduce fugitive dust emissions, which are required as part of SCAQMD Rule 403.)

3.6 SOILS AND GEOLOGY

3.6.1 Affected Environment

The site is not located within a Fault Rupture Study Area or an Alquist-Priolo Special Study Zone area. No habitable structures or critical facilities are currently proposed as part of the project. Any structures that may be constructed onsite would be required to comply with the California Building Code (CBC). Based on the City of Glendale Safety Element and a search of the City of Los Angeles Zoning Information and Map Access System (ZIMAS) the project sites are not located within a liquefaction zone or landslide hazard area. The project sites do not contain oil wells and are not considered to be within a methane, fire or high wind hazard area.

Implementation of the proposed project could result in exposure of on-site soils during construction. Since soils would be exposed for a limited amount of time, substantial erosion is not expected to occur. An erosion control plan, subject to review and approval by the City Engineer will be required prior to any construction-related activities involving ground disturbance activities. Such plans must include procedures and equipment necessary to contain onsite soils and minimize potential for contaminated runoff from the construction site. No adverse or significant impacts are anticipated.

3.6.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts associated with soils and geology. No adverse or significant impacts associated with soils and geology would be expected if the proposed project is not implemented (Alternative 2).

3.6.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to have any adverse or significant impacts associated with soils and geology.

3.7 ENERGY AND MINERAL RESOURCES

3.7.1 Affected Environment

There are no oil fields or wells on or in the vicinity of the site and the area is not considered to be within a methane hazard zone (ZIMAS). The project sites are completely urbanized and not within an area that has been identified as containing valuable mineral resources. Therefore, development within the project site would not result in the loss of the availability of a known mineral resource.

3.7.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts to energy and mineral resources. No impacts to energy and mineral resources would be expected if the proposed project is not implemented (Alternative 2).

3.7.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to interfere with the preservation or extraction of existing energy and mineral resources.

3.8 LAND USE AND MASTER PLAN COMPATIBILITY

3.8.1 Affected Environment

The project sites are located in existing developed sites that include GWP's Field Operations Center and the Ralph's distribution center parking lot and therefore, would not divide an established community. Due to the relatively small size of the proposed project, it is not anticipated to result in a significant land use compatibility impact. In addition, each project site is located within the boundaries of existing industrial uses. There is no habitat conservation plan or natural community conservation plan in the project site or vicinity. As such, the implementation of the proposed project could not conflict with any such plans.

The GS-3 well site is located within the Northeast Los Angeles Plan area. The project is not considered to be incompatible with the land uses prescribed in the Plan since it involve only the addition of an acid storage tank within an existing groundwater treatment system. The project area does not fall within the boundaries of a Community Redevelopment Project Area or a special economic development zone (according to ZIMAS). No adverse or significant impacts would occur.

3.8.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse or significant impacts associated with land use and master plan compatibility. No impacts associated with land use or master plan compatibility would be expected if the proposed project is not implemented (Alternative 2).

3.8.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to result in adverse or significant impacts.

3.9 ECONOMICS

3.9.1 Affected Environment

The project site is not located within a special economic development zone (according to ZIMAS). In addition due to the relatively small scale of the chromium 6 removal systems and the fact that the project does not involve the development of a long term use that would not preclude the use of the property for its intended use. In addition the installation of the system at each of the project sites does not interfere with the current uses on the project sites.

Further, the proposed demonstration study breaks new ground by testing the first treatment technology for chromium 6 removal to low levels in drinking water. This project builds upon years of bench- and pilot-scale testing. The treatment facility will provide Glendale with the ability to meet the chromium MCL in the future despite projected chromium 6 concentration increases in their wells. The proposed treatment technologies have been show to be cost-effective compared to replacement water from MWD.

In addition to offering cost-effective alternatives, testing of the WBA resin will offer small utilities or wells in larger utilities a less labor-intensive treatment option compared to RCF. For larger utilities and/or larger flows, RCF may be more attractive for chromium 6 treatment due to lower costs. Note, however, that California DHS does not currently permit small utilities to operate coagulation/filtration systems for arsenic treatment.

This demonstration study will be useful in determining actual costs of chromium 6 drinking water treatment for one or more technologies. Until now, only feasibility-level costs have been available.

3.9.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse or significant economical impacts to proposed project sites. No economic impacts would be expected if the proposed project is not implemented (Alternative 2).

3.9.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to depress local economic conditions or inhibit the economic revitalization of the surrounding communities.

3.10 PUBLIC HEALTH AND SAFETY

3.10.1 Affected Environment

Well GS-3 Demonstration Site

The plan is to implement a WBA exchange treatment system. The treatment process involves pumping water from the well, adding a small amount of acid to the water to adjust the pH of the water, sending the water through the steel vessels containing resin, and conveyance of the treated water to the GWTP for VOC removal. The steel vessels will contain a patented “resin” (much like that found in the typical water softener system) that is designed to remove the chromium 6 in the water. To implement this plan, the only noticeable additions to the well site are (1) the installation of an acid storage tank with a capacity of on the order of 2,000 gallons, (2) a chemical injection system to inject the acid into the water, (3) minor above and below ground water piping, (4) likely low voltage electrical systems to operate the chemical injection system, and (5) a small water storage tank. The acid storage tank will comply with all Fire Department regulations relative to storage and use including such items as double containment, separation from adjacent buildings, signage and personnel training.

It is anticipated that the acid storage tank will have sufficient capacity so that only two to four deliveries per month will be required. The resin in the steel vessels will be removed after about 9 months of operation and sent to a disposal site or regenerated offsite for later use. The deliveries of acid to the site will likely travel the Route 5 Freeway exiting the freeway at Colorado Avenue and entering the Ralph’s Grocery Complex within a short distance from the off-ramp. Again only two to four deliveries per month are anticipated.

Glendale Water Treatment Plant Demonstration Site

The RCF treatment process involves pumping water from Wells GN-2 and GN-3 through a dedicated pipeline from the two wells to the site of the RCF demonstration facilities. The RCF treatment process involves the addition of a non-hazardous chemical (ferrous sulfate) into the well water as part of the process to convert the chromium 6 in the water to chromium 3 (a non-hazardous form of chromium), a reduction tank for the chemical reaction to occur, aeration chamber to speed the reaction, and a filtration vessel to remove the particles. The particles formed will be disposed in a manner as required law. There will also be various other features like chemical feed pumps, electrical/mechanical equipment, water pumps, water storage tanks, filter belt press (or roll-off bin for solid waste), and chemical storage facilities typically found at

water treatment plants. None of the chemicals used at the site are expected to be hazardous. The treated water from the demonstration facility will be delivered to the GWTP for further treatment before the water is delivered to the Glendale customers.

In addition to safe handling of project operations, the chromium 6 removal project would have a positive benefit in that the project would maintain an existing water supply and provide better quality of drinking water to Glendale's residents. Therefore, no adverse or significant impacts to public health and safety are anticipated.

3.10.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse or significant impacts associated with public health and safety. No impacts to public health and safety would be expected if the proposed project is not implemented (Alternative 2).

3.10.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to adversely or significantly impact the health and safety of the public.

3.11 NOISE

3.11.1 Affected Environment

The project sites are occupied and surrounded by industrial land uses. No construction activity other than the installation of dedicated piping and minor equipment installation is planned. Workers exposed to noise sources in excess of 85 dBA are required to participate in a hearing conservation program. Workers exposed to noise sources in excess of 90 dBA for an eight-hour period will be required to wear hearing protection devices that conform to Occupational Safety and Health Administration/National Institute for Occupational Safety and Health (NIOSH) standards. Since the maximum noise levels from the operation of the equipment within chromium 6 demonstration facilities are expected to be within allowable limits, no significant impacts to workers during construction or maintenance activities are expected.

The project site is not located within an airport land use plan or within two miles of a public airport or public use airport. There are no private airstrips located on or within the vicinity of either project site. No adverse or significant noise impacts are anticipated during either construction or operation of the proposed project.

3.11.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse or significant noise impacts. No noise impacts would be expected if the proposed project is not implemented (Alternative 2).

3.11.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to result in adverse or significant noise impacts.

3.12 TRANSPORTATION AND TRAFFIC

3.12.1 Affected Environment

Traffic associated with the operation of the proposed project would be limited to approximately two to four deliveries per month and the occasional operation and maintenance visit. Therefore, no impacts are anticipated.

The proposed project is small in scale and would not result in any changes to the existing roadway network or result in changes to any adopted emergency evacuation routes. Operation at the sites will require delivery of supplies with a slight increase in the current delivery schedule. Delivery routes would be similar to the existing. In addition, the applicant will be required to secure permits from the appropriate authorities before such deliveries could occur. Therefore, no impacts would occur.

The Los Angeles County Metropolitan Transportation Authority (MTA) and Glendale Beeline provide bus service within the City of Glendale. The proposed project would not conflict with any adopted policies, plans, or programs regarding alternative transportation since no changes to the existing transportation policies, plans, or programs would result from project implementation.

3.12.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse or significant impacts associated with traffic and transportation. No impacts to traffic and transportation would be expected if the proposed project is not implemented (Alternative 2).

3.12.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to have an adverse or significant impact associated with traffic and transportation.

3.13 AESTHETICS

3.13.1 Affected Environment

The Los Angeles project site will be located adjacent to an existing brick/concrete building and a short distance from a three-story in height warehouse building, and in a parking lot within a predominately industrial area. The Glendale project site will be located adjacent to the existing Glendale Water Treatment Plant and parking lot/storage area within a predominately industrial area. Therefore, no impacts to the existing visual character of the surrounding neighborhood would occur.

3.13.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts on aesthetics. No impacts to aesthetics would be expected if the proposed project is not implemented (Alternative 2).

3.13.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to result in an adverse or significant impacts associated with aesthetics.

3.14 POPULATION AND HOUSING

3.14.1 Affected Environment

The proposed project does not involve any residential or commercial uses. In addition, the project will utilize existing infrastructure including roads and no expansion of the existing infrastructure network is proposed. No residential units currently exist on the project site therefore; no housing or people would be displaced. The project sites are both zoned for industrial uses that do not allow housing and therefore, preclude the use of the site for residential uses. No impacts would occur.

3.14.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse or significant impacts associated with population and housing. No impacts associated with population and housing would be expected if the proposed project is not implemented (Alternative 2).

3.14.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to result in adverse impacts to population and housing.

3.15 PUBLIC SERVICES

3.15.1 Affected Environment

The City of Glendale Fire Department (GFD) provides fire and paramedic services to the Flower Street project site. The City of Los Angeles Fire Department provides fire and paramedic services to the Goodwin Avenue project site. The project can be adequately served by existing public services and is not anticipated to result in substantial adverse impacts. The overall need for fire protection services are not expected to substantially increase as a result of the proposed project.

An acid storage tank is proposed to be included on the Flower Street project site. Glendale Water and Power will be required to obtain all necessary permits from the Los Angeles Fire Department necessary for project operation. Compliance with applicable permits and conditions would ensure that no significant impacts would occur.

The Glendale Police Department (GPD) provides police services to the Flower Street project site. The Los Angeles Police Department provides police services to the Goodwin Avenue project site. The project can be adequately served by existing public services and is not anticipated to result in substantial adverse impacts. The overall need for police protection services are not expected to substantially increase as a result of the proposed project. No impacts are anticipated.

No increase in the number of permanent workers is expected to maintain the proposed project, therefore, there will be no increase in the local population and thus no impacts are expected to schools, parks, or other public facilities.

3.15.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts to public services. No impacts to public services would be expected if the proposed project is not implemented (Alternative 2).

3.15.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to adversely or significantly impact existing biological resources.

3.16 UTILITIES AND SERVICE SYSTEMS

3.16.1 Affected Environment

Implementation of the proposed project would require connections to the power grids but would increase demand for power by an insignificant amount. Additionally, the project would require the services of the City's solid waste disposal system, including transportation of wastes to a sanitary landfill. The project would only slightly increase the demand for these services. As discussed above, the project is not expected to interfere with the prevailing fire and police services within the area. The project would have a positive benefit by maintaining an existing water supply and providing a better quality of drinking water to Glendale's residents.

3.16.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts to utilities and service systems. No impacts to utilities and service systems would be expected if the proposed project is not implemented (Alternative 2).

3.16.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is expected to fall within prevailing utility usage parameters and is expected to result in a benefit to public service by providing better quality of drinking water to Glendale's residents.

3.17 AGRICULTURAL RESOURCES

3.17.1 Affected Environment

The proposed project sites have hosted industrial activities for many years and are currently used for warehousing and municipal power generation. Neither subject site is zoned for agricultural use. The site is currently zoned for industrial uses.

Since the proposed project is not zoned for agricultural uses, nor are there any agricultural zones proposed, the project is not expected to result in an adverse (or for the purposes of CEQA, significant) impact to agricultural resources.

3.17.2 Environmental Consequences

Implementation of the proposed action (Alternative 1) and the alternative technologies action (Alternative 4) are not expected to result in adverse impacts to agricultural resources. No impacts to agricultural resources would be expected if the proposed project is not implemented (Alternative 2).

3.17.3 Mitigation

No mitigation measures are deemed necessary as the proposed project is not expected to adversely affect existing or planned agricultural resources.

4.0 OTHER IMPACTS AND COMMITMENTS

4.1 Cumulative Impacts

The proposed project does not involve the development of any residential, commercial or industrial development that may cause cumulative impacts. Rather, the project involves the installation of equipment to be used for the removal of chromium 6 in the groundwater at from existing extraction wells. The project will benefit the public by maintaining the existing water supply and providing a better quality of drinking water to Glendale's residents.

4.2 Growth-Inducing Impacts

The proposed project involves the removal of chromium 6 from the groundwater and is not expected to result in any growth-inducing impacts. The project will be located on two sites where existing groundwater extraction systems currently exist. The amount of equipment needed on each site is also minimal. No permanent jobs will be created by the proposed project.

4.3 Environmental Justice

On February 11, 1994, President Clinton signed Executive Order 12898, Federal Actions to Address Environmental Justice in Minority and Low-Income Populations. The Order requires that each federal agency, to the greatest extent allowed by law, administer and implement its programs, policies, and activities affecting human health or the environment so as to identify and avoid "disproportionately high and adverse" effects on minority and low-income populations.

These include noise exposure, exposure to unacceptable levels of pollution or increased safety risk.

Since the proposed project is intended to provide a benefit to the public by maintaining the existing water supply and providing a better quality of drinking water, it is not expected to result in disproportionately high or adverse impacts to minority or low-income populations. Given the project's distance from existing residential uses, it is not expected to result in impacts that would adversely affect any segment of the local residential population.

Executive Order 12898 (Environmental Justice): Requires federal actions to address environmental justice in minority and low-income populations. Environmental justice analyses are required to identify potential disproportionately high and adverse effects from proposed actions and to identify alternatives that might mitigate these effects.

5.0 CONSULTATION AND COORDINATION

Joe Jung
US EPA Region 9
75 Hawthorne ST, WTR-1
San Francisco, CA 94105

Bruce Macler
Project Officer
US EPA Region 9
75 Hawthorne ST, WTR-6
San Francisco, CA 94105

Christopher Stewart
CDHS Environmental Review Unit
1616 Capitol Avenue, MS 7418
Sacramento, CA 95899-7413

Ken Corey
U.S. Fish and Wildlife Service
Carlsbad Fish and Wildlife Office
6010 Hidden Valley Road
Carlsbad, CA 92009

Mr. Milford Wayne Donaldson, FAIA
State Historic Preservation Officer
Office of Historic Preservation
State of California Department of Parks and Recreation
P.O. Box 942896
Sacramento, CA 94296-0001

6.0 LIST OF PREPARERS AND PARTICIPANTS

This joint EA/MND document was prepared by:

Erik Krause
Senior Planner
City of Glendale Planning Department
Glendale, CA 91206

Donald Froelich
Glendale Water & Power
141 N. Glendale Avenue
Glendale, CA 91206

Leighton Fong
Civil Engineer II
Glendale Water & Power
141 N. Glendale Avenue
Glendale, CA 91206

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Power.

8.0 APPENDICES

Appendix A: CEQA INITIAL STUDY CHECKLIST



CITY OF GLENDALE, CALIFORNIA
 Planning Department

**PROPOSED
 MITIGATED NEGATIVE DECLARATION**
Chromium 6 Demonstration Sites
800 Flower Street, Glendale and
4041 ½ Goodwin Avenue, Los Angeles

<p>The following Mitigated Negative Declaration has been prepared in accordance with the California Environmental Quality Act of 1970 as amended, the State Guidelines, and the Environmental Guidelines and Procedures of the City of Glendale.</p>	
Project Title/Common Name:	Chromium 6 Demonstration Sites
Project Location:	800 Flower Street, Glendale and 4041 ½ Goodwin Avenue, Los Angeles, Los Angeles County
Project Description:	<p>The Goodwin project site is surrounded by industrial uses to the north, east, and west that include a one-story plating plant and a three-story Ralph's distribution facility and associated parking area. Single-family residential development is located to the south across Goodwin Avenue.</p> <p>The Flower project site is surrounded by industrial uses to the south, east and west, that include the Glendale Water Treatment Plant and the Field Operation enter for the Glendale Water and Power Department and associated parking and storage area. A commercial/office area that is part of Disney's Grand Central Creative Campus is located to the north across Flower Street.</p>
Project Type:	<input type="checkbox"/> Private Project <input checked="" type="checkbox"/> Public Project
Project Applicant:	Donald Froelich Glendale Water & Power 141 N. Glendale Avenue Glendale, CA 91206
Findings:	<p>The Director of Planning, on September 6, 2007, after considering an Initial Study prepared by the Planning Department, found that the above referenced project would not have a significant effect on the environment and instructed that a Mitigated Negative Declaration be prepared.</p>
Mitigation Measures:	See attached Mitigation Monitoring and Reporting Program
Attachments:	Mitigation Monitoring and Reporting Program; Initial Study Checklist
Contact Person:	Hassan Haghani, Director of Planning City of Glendale Planning Department 633 East Broadway Room 103 Glendale, CA 91206-4386 Tel: (818) 548-2140 Fax: (818) 240-0392

**CHROMIUM 6 DEMONSTRATION SITES
MITIGATION MONITORING AND REPORTING PROGRAM**

Cultural Resources

1. An archeologist who meets the Secretary of the Interior's Standards for Archeology shall be present during ground disturbing activities.

Monitoring Action:	Onsite archeologist
Timing:	During any ground disturbing activities
Responsibility:	Glendale Water & Power



CITY OF GLENDALE, CALIFORNIA
Planning Department

INITIAL STUDY CHECKLIST
Chromium 6 Demonstration Sites
800 Flower Street, Glendale and
4041 ½ Goodwin Avenue, Los Angeles

1. Project Title: Chromium 6 Demonstration Sites
2. Lead Agency Name and Address: City of Glendale Planning Department 633 East Broadway, Room 103 Glendale, CA 91206
3. Contact Persons and Phone Number: Erik Krause, Senior Planner Tel: (818) 548-2140 Fax: (818) 240-0392
4. Project Location: 800 Flower Street, Glendale and 4041 ½ Goodwin Avenue, Los Angeles, Los Angeles County
.5. Project Sponsor's Name and Address: Donald Froelich Glendale Water & Power 141 N. Glendale Avenue Glendale, CA 91206
6. General Plan Designation: Industrial (City of Glendale) Northeast Los Angeles Planning Area - Industrial (City of Los Angeles)
7. Zoning: IND – Industrial (City of Glendale) M3-1; Heavy Manufacturing (City of Los Angeles)
8. Description of the 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.) Glendale Water & Power is proposing to install two demonstration facilities to evaluate two different technologies for the removal of chromium 6 from the groundwater. (See project description on page 3 for more information.)
9. Surrounding Land Uses and Setting: The Goodwin project site is surrounded by industrial uses to the north, east, and west that include a one-story plating plant and a three-story Ralph's distribution facility and associated parking area. Single-family residential development is located to the south across Goodwin Avenue. The Flower project site is surrounded by industrial uses to the south, east and west, that include the Glendale Water Treatment Plant and the Field Operation enter for the Glendale Water and Power Department and associated parking and storage area. A commercial/office area that is part of Disney's Grand Central Creative Campus is located to the north across Flower Street.
10. Other public agencies whose approval is required (e.g., permits, financing approval or participation agreement). U.S. Environmental Protection Agency (EPA); California Department of Health Services (DHS), and the Cities of Los Angeles and Glendale Building and Fire Departments

11. 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"/> Agricultural 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 | |

LEAD AGENCY DETERMINATION:

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.

Prepared by:

Date:

Reviewed by:

Date:

Signature of Director of Planning or his or her designee authorizing the release of environmental document for public review and comment.

Director of Planning:

Date:

Background

The objective of the proposed project is to construct two different viable chromium 6 demonstration water treatment facilities using two different technologies. The sites for these facilities will be at the existing Well Site GS-3 in the City of Los Angeles on Goodwin Street near San Fernando Road, and the other in the Glendale Water and Power Field Operations Center adjacent to the existing Glendale Water Treatment Plant (GWTP) on Flower Street. Well Site GS-3 and the Glendale Water Treatment Plant (GWTP) are part of a U.S. Environmental Protection Agency (EPA) federal Superfund project and the chromium 6 demonstration facilities would be added to the existing water facilities at these sites.

The Superfund facilities were completed in year 2000 to extract the contaminated groundwater supplies in the San Fernando Valley and remove volatile organic compounds (VOCs) in the water supplies. This particular Superfund project consists of eight extraction wells (the four in Glendale are identified as "GN" wells and four in Los Angeles are identified as "GS" wells), the GWTP (for VOC removal), and a pipeline from a Metropolitan Water District (MWD) water main in Glendale to the treated water supplies from the GWTP. The original purpose of the MWD water supply was to reduce the concentration of nitrates in water deliveries from the GWTP. Collectively these facilities are referred to as the EPA's Glendale Operable Unit (GOU). Similar operable units were constructed in other parts of the San Fernando Valley to remove VOCs from the groundwater.

The nitrate concentration in the GWTP treated ground water supplies turned out to be lower than anticipated. However, the concentration of chromium 6 in the treated water supplies turned out to be higher than anticipated and raised concerns in the community as to the safety of the water supplies due to chromium 6. The water users in the San Fernando Valley cities of Los Angeles, Glendale, and Burbank were very concerned with the presence of the chromium 6 in the water supplies. In particular, this caused the City of Glendale to be very reluctant to use treated groundwater from the GWTP even after MWD blending water supplies.

A technical review showed that no feasible chromium 6 technology existed to remove chromium 6 from water supplies on a large scale and to low levels. Glendale started working with the cities of Los Angeles, Burbank, and San Fernando as well as Glendale's federal and state elected officials and developed a three phase \$3 million research effort to identify treatment technologies to remove chromium 6 from drinking water supplies.

Phase I of the effort was a "bench-scale" study conducted primarily at the University of Colorado at Boulder to take a broad look at possible technologies. This \$400,000 effort was managed by the City of Los Angeles and funded by Los Angeles, Glendale, Burbank, and San Fernando, and the American Water Works Association Research Foundation (AwwaRF) to get the research underway as soon as possible. The research team looked at over 40 possible technologies based on a literature search, some laboratory testing efforts, and discussions with academic and engineering professionals. The technology classes included adsorption/chelation, ion exchange, membranes, and reduction/coagulation/filtration.

This research work narrowed the possible technologies to ion exchange, adsorptive media, and reduction/coagulation/filtration (RCF) for further testing at the pilot scale.

Phase II of the effort was a "pilot testing" of the technologies recommended for further testing from Phase I and testing of treatment systems that various vendors of treatment systems stated would remove chromium 6 from the groundwater. This \$750,000 effort was managed by the City of Glendale and funded by an EPA grant to Glendale. Peer review for this research work was provided by a Project Advisory Committee (PAC) consisting of representatives from the Metropolitan Water District, the Los Angeles Department of Water and Power, the California Department of Health Services and the EPA. The pilot testing was performed at the GWTP and the technologies studied included strong base anion exchange (both column- and reactor-based), weak base anion exchange (WBA), adsorptive media, and RCF. These technologies were either an outcome of the Phase I recommendations or selected from proposals provided by treatment vendors to test their systems.

Phase II pilot testing indicated that three technologies were feasible for demonstration-scale testing to achieve the chromium 6 treatment goal: strong-base anion exchange, WBA exchange, and RCF. The WBA exchange process offered significant advantages over strong-base anion exchange (i.e., no brine discharge) and possibly over reduction/coagulation/filtration (i.e., lower capital costs). However, Glendale decided that additional work was needed to confirm the efficacy of the WBA anion exchange technology. No budget was available for further review of this technology in Phase II; consequently, the initial part of the Phase III effort (the "Bridge Project") further evaluated WBA exchange to determine whether this promising technology was worth testing in at the demonstration-scale.

Phase III is the "demonstration-scale" application of one or two technologies to treat several wells. This \$2 million effort is being managed by the City of Glendale and early research work was funded by the EPA and AwwaRF grants to Glendale. Peer review for this research work is provided by a PAC consisting of representatives from the Metropolitan Water District, the Los Angeles Department of Water and Power, the California Department of Health Services and the EPA. Funding for this demonstration scale testing will come from two EPA grants to Glendale totaling \$900,000, \$100,000 grant from AwwaRF and an expected \$1 million grant from the State of California under the year 2002 Proposition 50 Water Bonds. Glendale has been tentatively approved for this grant pending State approval of the project report submittal and a formal contract, which is very likely.

The first part of the Phase III research work was a "Bridge Project" to further investigate the WBA exchange treatment that showed great promise at the Phase II pilot testing. The research effort was completed in the fall of 2006 and demonstrated that WBA is a viable technology for chromium 6 treatment of Glendale's groundwater.

Now with three technologies showing great promise along with detailed cost information, the City of Glendale convened an all-day meeting of an "Expert Panel" consisting of members of the Project Advisory Committee representing the Metropolitan Water District, the Los Angeles Department of Water and Power, the California Department of Health Services and the EPA, along with academic support from UCLA, Lehigh University in Pennsylvania, Utah State University, and UNESCO- Institute of Water Education. The Expert Panel was charged to advise the City on the chromium 6 treatment technologies that should be further tested at the demonstration scale. They reviewed the maturity of the technologies, the likelihood that the technologies would be approved for use by the federal and state regulatory agencies, and the cost-effectiveness.

The Expert Panel, after a full day of presentations and discussion, recommended to Glendale the RCF technology and the WBA technology for the demonstration-scale program and recommended further testing to identify the chemical mechanics of the WBA technology. The City of Glendale accepted these findings and proposes to proceed with the further testing of these treatment systems with the WBA at the GS-3 well site, and RCF at the Glendale Water Treatment Plant.

The selection of the identified technologies was based on extensive studies and review by an expert panel of members from water agencies, regulatory agencies, and universities. This gave great assurance to Glendale that these were the technologies that should be further tested.

Project Description

Well GS-3 Demonstration Site

This existing well site is located adjacent to Goodwin Street close to San Fernando Road in the City of Los Angeles and is one of the four Glendale South (GS) well sites constructed in the general area as part of the GOU facilities. The GS-3 well site currently consists of a below ground well extraction facility, two steel vessels that were constructed around year 2003 to be part of a VOC removal project, electrical control panel, concrete containment area under the steel vessels, and underground piping. These facilities are constructed within a paved truck parking area that is part of Ralph's Grocery Company warehouse/distribution system. The area is paved with asphalt concrete and is relatively flat. The existing well has a capacity of 433 gallons-per-minute (gpm) and produces water with a high concentration of chromium 6 at 35 parts-per-billion, thus making it an excellent site for construction of the demonstration facilities.

The plan is to implement a WBA exchange treatment system. The treatment process involves pumping water from the well, adding a small amount of acid to the water to adjust the pH of the water, sending the water through the steel vessels containing resin, and conveyance of the treated water to the GWTP for VOC removal. The steel vessels will contain a patented "resin" (much like that found in the typical water softener system) that is designed to remove the chromium 6 in the water. To implement this plan, the only noticeable additions to the well site are (1) the installation of an acid storage tank with a capacity of on the order of 2,000 gallons, (2) a chemical injection system to inject the acid into the water, (3) minor above and below ground water piping, (4) likely low voltage electrical systems to operate the chemical injection system, and (5) a small water storage tank. The acid storage tank will comply with all Fire Department regulations relative to storage and use including such items as double containment, separation from adjacent buildings, signage and personnel training.

It is anticipated that the acid storage tank will have sufficient capacity so that only two to four deliveries per month will be required. The resin in the steel vessels will be removed after about 9 months of operation and sent to an appropriate disposal site or regenerated offsite for later use. The deliveries of acid to the site will likely travel the Route 5 Freeway exiting the freeway at Colorado Avenue and entering the Ralph's Grocery Complex within a short distance from the off-ramp. Again only two to four deliveries per month are anticipated.

The existing and proposed facilities are proposed to be within an existing easement area leased by the City of Glendale that expires around year 2011. If necessary, Glendale would work with Ralph's to make minor enlargements to the easement area and extend the lease period beyond the year 2011 time frame. Also, the EPA could require continued operation of the GOU including well GS-3 to remove the VOCs, which will also require an extension of the easement time.

Glendale Water Treatment Plant Demonstration Site

The plan for this project is to install the RCF demonstration facility adjacent to the GWTP to remove chromium 6 from Wells GN-2 and GN-3. The RCF facility would be located on the Field Operations Center for the Glendale Water and Power Department. These existing wells have high concentrations of chromium 6, which make them good candidates for chromium 6 treatment. The existing Well GN-2 is located on the site of the DreamWorks Animation Studios at Flower Street and Grandview Avenue, and existing Well GN-3 is located at Grandview Avenue and Grand Central Avenue on the site of Disney's Grand Central Creative Campus. Currently there are four GN wells in this general area, including GN-2 and GN-3, with a collection pipeline used to convey water from all four wells to the GWTP. Part of the proposed project is to construct a dedicated pipeline in Grandview Avenue, Grand Central Avenue and Flower Street to convey water from the two high chromium 6 wells GN-2 and GN-3 to the chromium 6 RCF treatment plant adjacent to the GWTP. This pipeline would be about 1,800 feet long and be up to 12-inches in diameter. Without the dedicated pipeline, Glendale would have to build a higher capacity chromium 6 treatment plant and would be required to remove the chromium 6 from the four "GN" wells at much greater cost.

The GWTP fronts on Flower Street and the RCF facility would be adjacent to the GWTP. The area to be occupied by the RCF facilities is currently paved with asphalt concrete, used as a storage area, relatively flat, and in a commercial/manufacturing zone area. The capacity of the treatment system would range from 100 gallons-per-minute (gpm) to 1,100 gpm.

The RCF treatment process involves pumping water from existing Wells GN-2 and GN-3 through a dedicated pipeline from the two wells to the site of the RCF demonstration facilities. The RCF treatment process involves the addition of a non-hazardous chemical (ferrous sulfate) into the well water as part of the process to convert the chromium 6 in the water to chromium 3 (a non-hazardous form of chromium), a reduction tank for the chemical reaction to occur, aeration chamber to speed the reaction, and a filtration vessel to remove the particles. The particles formed will be disposed in a manner as required by law. There will also be various other features like under-ground and above-ground piping, electrical control facilities, chemical feed pumps, electrical/mechanical equipment, water pumps, water storage tanks, filter belt press (or roll-off bin for solid waste), and chemical storage facilities typically found at water treatment plants. None of the chemicals proposed to be used at the site are considered to be hazardous. The treated water from the demonstration

facility will be delivered to the existing GWTP for further treatment before the water is delivered to the Glendale customers.

12. Environmental Factors Potentially Affected:

The following section provides an evaluation of the impact categories and questions contained in the checklist and identifies mitigation measures, if applicable.

A. AESTHETICS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Have a substantial adverse effect on a scenic vista?				X
2. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X
3. Substantially degrade the existing visual character or quality of the site and its surroundings?				X
4. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?				X

Comments to Section A(1):

The project sites are located within heavily urbanized industrial areas with relatively flat topography. No scenic vistas, as identified in the City's Open Space and Conservation Element (January 1993), exist within, or in proximity to, either project site. Therefore, no impacts to scenic vistas would result from project implementation.

Mitigation Measures: No mitigation measures are required.

Comments to Section A(2):

No Impact. No state scenic highway is located adjacent to, or within view of, either project site. No impacts to scenic resources within a state scenic highway would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Section A(3):

The Los Angeles project site will be located adjacent to an existing brick/concrete building and a short distance from a three-story in height warehouse building, and in a parking lot within a predominately industrial area. The Glendale project site will be located adjacent to the existing Glendale Water Treatment Plant and parking lot/storage area within a predominately industrial area. Therefore, no impacts associated with the existing visual character of the surrounding neighborhood would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Section A(4):

No lighting would be installed as part of the proposed project. Therefore, no impacts would occur.

Mitigation Measures: No mitigation measures are required.

B. AGRICULTURE RESOURCES

<i>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 Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project. Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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?				X
2. Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X
3. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?				X

Comments to Sections B(1), (2), and (3):

The project sites are located in areas developed with and zoned for industrial uses. No Prime Farmland, Unique Farmland, or Farmland of Statewide importance has been designated on either project site or in the vicinity of the project as part of the Farmland Mapping and Monitoring Program. The project sites are not zoned for agricultural use, and not subject to any Williamson Act contract. No impacts associated with agricultural resources would occur as a result of the proposed project.

Mitigation Measures: No mitigation measures are required.

C. AIR QUALITY

<i>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:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Conflict with or obstruct implementation of the applicable air quality plan?				X
2. Violate any air quality standard or contribute substantially to an existing or projected air quality violation?				X
3. 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)?				X
4. Expose sensitive receptors to substantial pollutant concentrations?				X
5. Create objectionable odors affecting a substantial number of people?				X

Comments to Sections C(1), (2), (3), (4), and (5):

The proposed project would not result in any significant air quality impacts associated with project operation since the project would only include an electric motor for the pumping system. Furthermore, the groundwater removed from the wells will be completely contained within the treatment vessels and associated piping. No tanks would be exposed to the atmosphere.

The project includes the development of two small groundwater remediation systems for the purpose of removing chromium 6 from groundwater. Since the groundwater would be completely contained within the remediation system, emissions from implementing of the proposed project will not be significant.

Mitigation Measures: No mitigation measures are required.

D. BIOLOGICAL RESOURCES

Would the project:	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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?				X
2. 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 U.S. Fish and Wildlife Service?				X
3. 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?				X
4. 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?				X
5. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
6. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

Comments to Sections D(1), (2), (3), (4), (5), and (6):

The proposed GS-3 project would be located entirely within the existing boundaries of the Ralph's distribution facility parking lot. The proposed GWTP project would be located entirely within the existing boundaries of the Glendale Water and Power Department's Field Operation Center, which have already been developed, therefore, no conflict with local, regional or state Conservation Plans are expected. The area contains industrial activities and does not support riparian habitat, habitat for

any threatened or endangered species, federally protected wetlands, or migratory corridors. Due to the urban and predominately industrial location of the project sites, no impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

E. CULTURAL RESOURCES

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Cause a substantial adverse change in the significance of a historical resource as defined in CEQA Guidelines §15064.5?				X
2. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines §15064.5?		X		
3. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			X	
4. Disturb any human remains, including those interred outside of formal cemeteries?			X	

Comments to Sections E(1):

There are no buildings or structures located at either project site. The GS-3 well site is located adjacent to an existing one-story plating plant, and close to a three-story warehouse building used by the Ralph's Grocery Company. However, these buildings are not considered to be historic resources nor would any changes to the buildings occur. No impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Sections E(2), (3), and (4):

A record search was conducted by the South Central Coastal Information Center (SCCIC) in April of 2007 for the project sites. The search included a review of all recorded archaeological sites within ½-mile radius of the project site as well as a review of cultural resource reports of file. In addition, the California Points of Historical Interest (PHI), the California Historical Landmarks (CHL), the California Register of Historical Places (CR), the National Register of Historical Places (NR), the California State Historical Resources Inventory (HRI), and the City of Los Angeles Historic-Cultural Monuments listing were reviewed for the project sites. A search of the Glendale Register List of Historical Resources (GR) was conducted by city staff.

The search concluded that there is no historical resources are located on either project site. A total of 15 cultural resource studies have been conducted within ½-mile radius of the project sites. Of these, none are located within the project sites.

The SCCIC report recommends that because the project sites are within proximity to the Los Angeles River, an archeological monitor should be in place for ground-disturbing activities. In consultation with the State Historic Preservation Office (SHPO), the EPA concurs with the Section 106 evaluation that no historic properties would be affected pursuant to 36 CFR Part 800.4(d)(1), provided that a archeologist who meets the Secretary of the Interior's Standards for Archeology be present during ground disturbing activities. As a result, a mitigation measure has been added to the

project requiring the presence of such an individual. Implementation of the mitigation measure would ensure that no significant impacts would occur.

Mitigation Measures: Implementation of the following mitigation measure would reduce impacts to a less than significant level.

1. An archeologist who meets the Secretary of the Interior's Standards for Archeology shall be present during ground disturbing activities.

Monitoring Action: Onsite archeologist
Timing: During any ground disturbing activities
Responsibility: Glendale Water & Power

F. GEOLOGY AND SOILS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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.				X
ii) Strong seismic ground shaking?				X
iii) Seismic-related ground failure, including liquefaction?				X
iv) Landslides?				X
2. Result in substantial soil erosion or the loss of topsoil?				X
3. 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?				X
4. Be located on expansive soil, as defined in Table 18-1-B of the California Building Code (2001), creating substantial risks to life or property?				X
5. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?				X

Comments to Sections F(1), (3), and (4):

No habitable structures or critical facilities are currently proposed as part of the project. Any structures that may be constructed onsite would be required to comply with the California Building Code (CBC). No impacts associated with liquefaction are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Section F(2):

Implementation of the proposed project could result in exposure of on-site soils during construction. Since soils would be exposed for a limited amount of time, substantial erosion is not expected to occur. An erosion control plan, subject to review and approval by the City Engineer will be required prior to any construction-related activities involving ground disturbance activities. Such plans must include procedures and equipment necessary to contain onsite soils and minimize potential for contaminated runoff from the construction site. No impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Section F(5):

No septic tanks will be utilized as part of the project. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

G. HAZARDS AND HAZARDOUS MATERIALS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			X	
2. 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?			X	
3. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
4. 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?				X
5. 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 site?				X
6. 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 site?				X
7. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
8. 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?				X

Comments to Sections G(1) and (2):**Well GS-3 Demonstration Site**

The plan is to implement a WBA exchange treatment system. The treatment process involves pumping water from the well, adding a small amount of acid to the water to adjust the pH of the water, sending the water through the steel vessels containing resin, and conveyance of the treated water to the GWTP for VOC removal. The steel vessels will contain a patented "resin" (much like that found in the typical water softener system) that is designed to remove the chromium 6 in the water. To implement this plan, the only noticeable additions to the well site are (1) the installation of an acid storage tank with a capacity of on the order of 2,000 gallons, (2) a chemical injection system to inject the acid into the water, (3) minor above and below ground water piping, (4) likely low voltage electrical systems to operate the chemical injection system, and (5) a small water storage tank. The acid storage tank will comply with all Fire Department regulations relative to storage and use including such items as double containment, separation from adjacent buildings, signage and personnel training.

It is anticipated that the acid storage tank will have sufficient capacity so that only two to four deliveries per month will be required. The resin in the steel vessels will be removed after about 9 months of operation and sent to an appropriate disposal site or regenerated offsite for later use. The deliveries of acid to the site will likely travel the Route 5 Freeway exiting the freeway at Colorado Avenue and entering the Ralph's Grocery Complex within a short distance from the off-ramp. Again only two to four deliveries per month are anticipated.

Glendale Water Treatment Plant Demonstration Site

The RCF treatment process involves pumping water from Wells GN-2 and GN-3 through a dedicated pipeline from the two wells to the site of the RCF demonstration facilities. The RCF treatment process involves the addition of a non-hazardous chemical (ferrous sulfate) into the well water as part of the process to convert the chromium 6 in the water to chromium 3 (a non-hazardous form of chromium), a reduction tank for the chemical reaction to occur, aeration chamber to speed the reaction, and a filtration vessel to remove the particles. The particles formed will be disposed in a manner as required law. There will also be various other features like chemical feed pumps, electrical/mechanical equipment, water pumps, water storage tanks, filter belt press (or roll-off bin for solid waste), and chemical storage facilities typically found at water treatment plants. None of the chemicals proposed to be used at the site are considered to be hazardous. The treated water from the demonstration facility will be delivered to the GWTP for further treatment before the water is delivered to the Glendale customers. Therefore, no significant impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Section G(3):

There are no public or private schools located within one-quarter mile of the either project site. No impact would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Section G(4):

No Impact. The project sites are not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Section G(5) and (6):

The proposed project site is not located within an airport land use plan or within two miles of a public airport or public use airport. No private airstrips are located in the vicinity of the project site. Thus,

implementation of the proposed project would not result in any safety hazards for people residing or working in the project site. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Section G(7):

No Impact. There is no “City Disaster Response Route” located on any streets adjacent to the project site. The nearest designated street is San Fernando Road which is identified in the City of Glendale General Plan Safety Element (August 2003) as a “County Evacuation Route.” The proposed project does not involve any changes to San Fernando Road nor would the project result in the alteration of an adopted emergency response plan or evacuation plan. As such, no impacts to emergency response plans or emergency evacuation plans would occur as a result of the proposed project.

Mitigation Measures: No mitigation measures are required.

Comments to Section G(8):

The project site is located within an area that has been heavily urbanized for years and no wildlands are located on or adjacent to either project site. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

H. HYDROLOGY AND WATER QUALITY

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Violate any water quality standards or waste discharge requirements?				X
2. 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)?				X
3. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?				X
4. 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?				X
5. 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?				X
6. Otherwise substantially degrade water quality?				X

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
7. 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?				X
8. Place within a 100-year flood hazard area structures which would impede or redirect flood flows?				X
9. 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?				X
10. Inundation by seiche, tsunami, or mudflow?				X

Comment to Section H(1):

All discharges from the sites whether to the storm drain system or sewer system will comply with applicable laws. Therefore, no impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Section H(2):

The proposed project involves the withdrawal of groundwater for the purpose of removing chromium 6. The groundwater that will be withdrawn for the removal of chromium 6 is part of the City's water supply and the amount of groundwater removed would not exceed that allocated to the city through various water rights decisions. No impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Sections H(3), (4), (5), and (6):

The proposed project would not substantially alter the drainage pattern of the site, or alter the course of a stream or river since the drainage patterns will be similar to the existing conditions. No impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Sections H(7), (8), (9), and (10):

No housing currently exists on the project site and no new housing is proposed. In addition, no portion of the project site is located within a 100-year floodplain or other flood hazard area, as shown on the latest FEMA Flood Insurance Rate Map. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

I. LAND USE AND PLANNING

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Physically divide an established community?				X
2. 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?				X
3. Conflict with any applicable habitat conservation plan or natural community conservation plan?				X

Comments to Sections I (1), (2), and (3):

The project sites are located in existing developed sites that include GWP's Field Operations Center and the Ralph's distribution center parking lot and therefore, would not divide an established community. Due to the relatively small size of the proposed project, it is not anticipated to result in a significant land use compatibility impact. In addition, each project site is located within the boundaries of existing industrial uses. There is no habitat conservation plan or natural community conservation plan in the project site or vicinity. As such, the implementation of the proposed project could not conflict with any such plans. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

J. MINERAL RESOURCES

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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?				X
2. 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?				X

Comments to Sections J(1) and (2):

The project sites are completely urbanized and not within an area that has been identified as containing valuable mineral resources. Therefore, development within the project site would not result in the loss of availability of a known mineral resource. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

K. NOISE

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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?				X
2. Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?				X
3. A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?				X
4. A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?				X
5. 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 site to excessive noise levels?				X
6. For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project site to excessive noise levels?				X

Comments to Sections K(1), (2), (3), and (4):

The project sites are occupied and surrounded by industrial land uses. No construction activity other than the installation of dedicated piping, onsite construction, and equipment installation is planned. Workers exposed to noise sources in excess of 85 dBA are required to participate in a hearing conservation program. Workers exposed to noise sources in excess of 90 dBA for an eight-hour period will be required to wear hearing protection devices that conform to Occupational Safety and Health Administration/National Institute for Occupational Safety and Health (NIOSH) standards. Since the maximum noise levels from the operation of the equipment within chromium 6 demonstration facilities are expected to be within allowable limits, no significant impacts to workers during construction or maintenance activities are expected.

Mitigation Measures: No mitigation measures are required.

Comments to Sections K(5) and (6):

The project site is not located within an airport land use plan or within two miles of a public airport or public use airport. There are no private airstrips located on or within the vicinity of either project site. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

L. POPULATION AND HOUSING

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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)?				X
2. Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				X
3. Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				X

Comments to Section L(1), (2), and (3):

The proposed project does not involve any residential or commercial uses. In addition, the project will utilize existing infrastructure including roads and no expansion of the existing infrastructure network is proposed. Therefore, the project would not introduce substantial population growth either directly or indirectly. No residential units currently exist on the project site therefore; no housing or people would be displaced. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

M. PUBLIC SERVICES

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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:				
a) Fire protection?			X	
b) Police protection?				X
c) Schools?				X
d) Parks?				X
e) Other public facilities?				X

Comments to Section M1(a):

The City of Glendale Fire Department (GFD) provides fire and paramedic services to the Flower Street project site. The City of Los Angeles Fire Department provides fire and paramedic services to the Goodwin Avenue project site. The project can be adequately served by existing public services and is not anticipated to result in substantial adverse impacts. The overall need for fire protection services is not expected to substantially increase as a result of the proposed project.

An acid storage tank is proposed to be included on the Goodwin Street project site. Glendale Water and Power will be required to obtain all necessary permits from the Los Angeles Fire Department necessary for project operation. Compliance with applicable permits and conditions would ensure that no significant impacts would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Section M1(b):

The Glendale Police Department (GPD) provides police services to the Flower Street project site. The Los Angeles Police Department provides police services to the Goodwin Avenue project site. The project can be adequately served by existing public services and is not anticipated to result in substantial adverse impacts. The overall need for police protection services are not expected to substantially increase as a result of the proposed project. No impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Sections M1(c), (d), and (e):

No increase in the number of permanent workers is expected to maintain the proposed project, therefore, there will be no increase in the local population and thus no impacts are expected to schools, parks, or other public facilities.

Mitigation Measures: No mitigation measures are required.

N. RECREATION

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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?				X
2. 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?				X

Comments to Sections N(1) and (2):

The proposed project involves the construction of a groundwater treatment plant and modification to an existing treatment plant and would produce no significant changes in population densities since no increase in the workforce would be necessary for the proposed project. Thus, there will be no increase in the use of existing neighborhood and regional parks or other recreational facilities. The

project does not include recreational facilities or require the construction or expansion of existing recreational facilities. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

O. TRANSPORTATION/TRAFFIC

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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)?				X
2. Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?				X
3. 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?				X
4. Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
5. Result in inadequate emergency access?				X
6. Result in inadequate parking capacity?				X
7. Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?				X

Comments to Sections O(1) and (2):

Traffic associated with the operation of the site would be limited to approximately two to four deliveries per month and the occasional operation and maintenance visit. Therefore, no impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Section O(3):

The proposed project would not affect nor be affected by airport activities or air traffic patterns since the project would not result in an increase in traffic or employment on either project site. Therefore, no impacts would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Sections O(4) and (5):

The proposed project is small in scale and would not result in any changes to the existing roadway network or result in changes to any adopted emergency evacuation routes. Operation at the sites will require delivery of supplies with a slight increase in the current delivery schedule. Delivery routes would be similar to the existing. In addition, the applicant will be required to modify the

existing permits to allow for the slight increase in deliveries before they could occur. Therefore, no impacts are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Section O(6):

No parking will be required for the proposed project since no permanent daily employees will be needed for the site. Periodic visits will be required for routine maintenance of the facilities and each site does provide ample space for vehicle parking during such visits. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Section O(7):

The Los Angeles County Metropolitan Transportation Authority (MTA) and Glendale Beeline provide bus service within the project areas. The proposed project would not conflict with any adopted policies, plans, or programs regarding alternative transportation since no changes to the existing transportation policies, plans, or programs would result from project implementation. No impacts would occur.

Mitigation Measures: No mitigation measures are required.

P. UTILITIES AND SERVICE SYSTEMS

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?			X	
2. 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?				X
3. 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?				X
4. Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?				X
5. 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?				X
6. Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?			X	
7. Comply with federal, state, and local statutes and regulations related to solid waste?			X	

Comments to Section P(1):

Construction work associated with the proposed project as well as operation would be required to comply with all applicable wastewater treatment requirements included NPDES and Best Management Practices (BMPs). Only minimal discharges are anticipated.

Mitigation Measures: No mitigation measures are required.

Comments to Sections P(2), (3), (4), and (5)

The proposed project involves the development of two small groundwater treatment plants and may generate minimal wastewater flows that would be conveyed, under permit, to wastewater treatment facilities. The amount of impervious surfaces including the amount of hardscape would remain relatively unchanged compared to the existing conditions since the proposed projects sites are located in existing paved parking lots. The project would maintain an existing water supply and provide a better quality of drinking water to Glendale's residents. Therefore, no impacts would occur.

Mitigation Measures: No mitigation measures are required.

Comments to Sections P(6) and (7):

Solid waste generation would be limited to primarily construction activities and would not affect available solid waste disposal capacity in the region. The contractor and operators would be required to comply with all pertinent regulations regarding the disposal of solid waste generated by construction activities.

The RCF treatment process involves the addition of a non-hazardous chemical (ferrous sulfate) into the well water as part of the process to convert the chromium 6 in the water to chromium 3 (a non-hazardous form of chromium), a reduction tank for the chemical reaction to occur, aeration chamber to speed the reaction, and a filtration vessel to remove the particles. The particles formed will be disposed in a manner as required law. Therefore, impacts are considered less than significant.

Mitigation Measures: No mitigation measures are required.

Q. MANDATORY FINDINGS OF SIGNIFICANCE

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
1. 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?			X	
2. 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)?				X

<i>Would the project:</i>	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
3. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?				X

Comments to Section Q(1):

The proposed project does not have the potential to adversely affect the environment, reduce or eliminate any plant or animal species or destroy prehistoric records of the past with the implementation of mitigation. The proposed project is located at a site that is part of an existing industrial facility, which has been previously disturbed, graded and developed, and this project will not extend into environmentally sensitive areas but will remain within the confines of an existing, industrial facilities. No significant impacts would occur.

Comments to Sections Q(2) and (3):

The proposed project is not expected to result in significant adverse cumulative impacts, nor is the project expected to have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly. Since no project specific impacts were identified for any environmental topic areas, no impacts were considered to be cumulatively considerable as defined in CEQA Guidelines Section 15065(a)(3). Therefore, the proposed project is not expected to generate significant adverse cumulative impacts in any environmental topic area.

13. Earlier Analyses

None

14. Project References Used to Prepare Initial Study Checklist

One or more of the following references were incorporated into the Initial Study by reference, and are available for review in the Planning division Office, 633 E. Broadway, Rm. 103, Glendale, CA 91206-4386. Items used are referred to by number on the Initial Study Checklist.

1. Proposition 50, Chapter 6b, Technical Report: Glendale Chromium 6 Demonstration Facility, December 2006, prepared by McGuire Malcolm Pirnie, Inc. for Glendale Water and Power..
2. The City of Glendale's General Plan, Open Space and Conservation Element, January 1993.
3. The City of Glendale's General Plan, Safety Element, August 2003.
4. The City of Glendale's Municipal Code, as amended.
5. "Guidelines of the City of Glendale for the Implementation of the California Environmental Quality Act of 1970, as amended," August 19, 2003, City of Glendale Planning Division.
6. Public Resources Code Section 21000 et seq and California Code of Regulations, Title 14 Section 15000 et seq.
7. "CEQA Air Quality Handbook," April, 1993, South Coast Air Quality Management District.
8. "CEQA Air Quality Analysis Guidance Handbook," updated October 2003, South Coast Air Quality Management District.
9. City of Los Angeles Zoning Information & Map Access System, <http://zimas.lacity.org/>.

10. South Central Coastal Information Center Records Search, April 2007, California Historical Resources Information System, California State University, Fullerton, Department of Anthropology, 800 N. State College Boulevard, Fullerton, CA 92834-6846.

Appendix B: PROPOSED SCHEDULE

APPENDIX B

Project Phasing

Tasks	Project Task	Complete												Future																																									
		Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06	Jan-07	Feb-07	Mar-07	Apr-07	May-07	Jun-07	Jul-07	Aug-07	Sep-07	Oct-07	Nov-07	Prop 50 Month 1	Prop 50 Month 2	Prop 50 Month 3	Prop 50 Month 4	Prop 50 Month 5	Prop 50 Month 6	Prop 50 Month 7	Prop 50 Month 8	Prop 50 Month 9	Prop 50 Month 10	Prop 50 Month 11	Prop 50 Month 12	Prop 50 Month 13	Prop 50 Month 14	Prop 50 Month 15	Prop 50 Month 16	Prop 50 Month 17	Prop 50 Month 18	Prop 50 Month 19	Prop 50 Month 20	Prop 50 Month 21	Prop 50 Month 22
0	Project Management	[Solid Blue Bar]																																																					
1	Pilot-Demonstration Bridge Treatment Evaluation	[Solid Blue Bar]																																																					
2	Expert Workshop on Process Selection	[Solid Blue Bar]																																																					
3	Experimental Design and Operations Plan for Demo	[Solid Blue Bar]																																																					
4	QAPP for Demonstration Tasks	[Solid Blue Bar]																																																					
5	Project Communications	[Solid Blue Bar]																																																					
6	Amend Water Supply Permit	[Solid Blue Bar]																																																					
7	NEPA/ CEQA/ Regulatory Compliance	[Solid Blue Bar]																																																					
8	Prepare Design and Specifications	[Solid Blue Bar]																																																					
9	Bid Assistance	[Solid Blue Bar]																																																					
10	Construction Management	[Solid Blue Bar]																																																					
11	Construction	[Solid Blue Bar]																																																					
12	Startup	[Solid Blue Bar]																																																					
13	Water Quality Analysis	[Solid Blue Bar]																																																					
14	Data Management	[Solid Blue Bar]																																																					
15	Verification of Unit Cost Model Info	[Solid Blue Bar]																																																					
16	Analyze Data	[Solid Blue Bar]																																																					
17	Industrial/Remediation Treatment	[Solid Blue Bar]																																																					
18	Mechanics of VBBA Resin	[Solid Blue Bar]																																																					
19	RCF Pilot	[Solid Blue Bar]																																																					
▲	Monthly Report	[Solid Blue Bar]																																																					
◆	Quarterly Technical Progress Report	[Solid Blue Bar]																																																					
☆	Draft Final Report	[Solid Blue Bar]																																																					
★	Final Report	[Solid Blue Bar]																																																					

Appendix C: SITE PHOTO, SITE PLAN and VICINITY MAP

WELL GS-3 DEMONSTRATION SITE
4041 ½ Goodwin Avenue in the City of Los Angeles



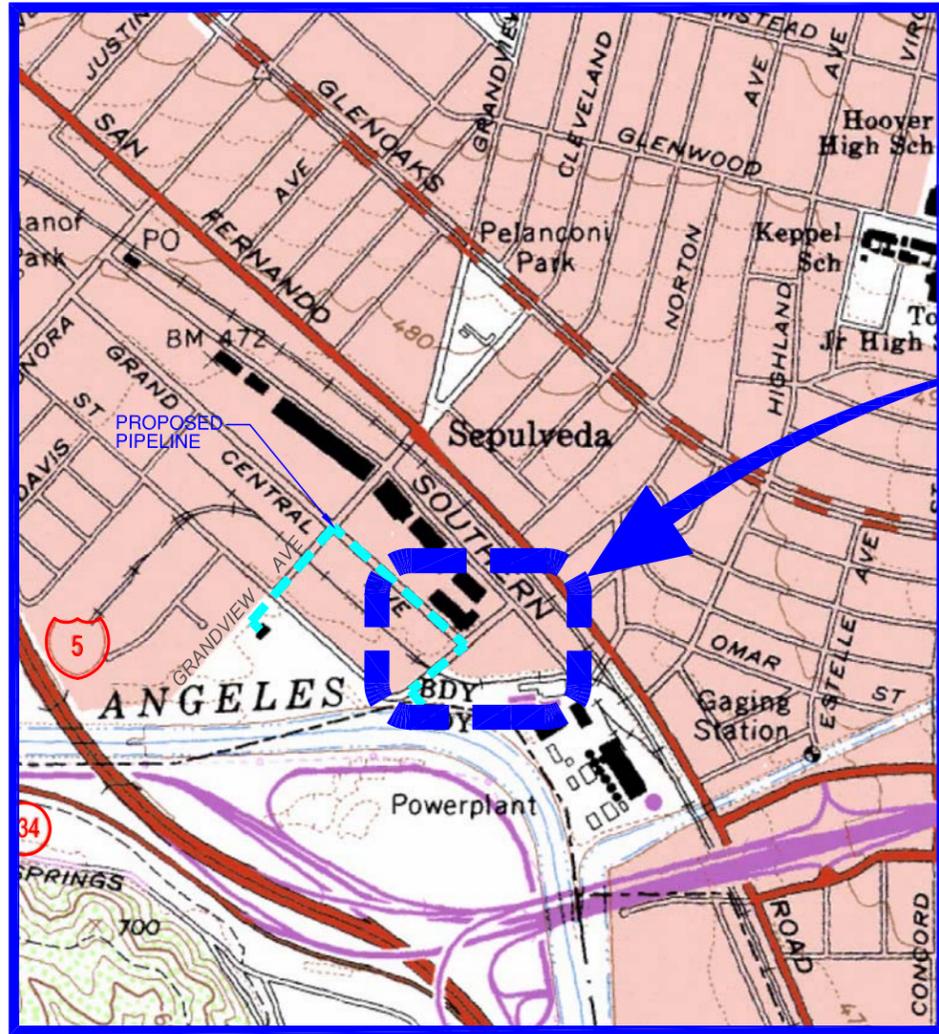
GLENDALE WATER TREATMENT PLANT DEMONSTRATION SITE
City of Glendale



PROPOSED GWTP CHROMIUM 6 DEMONSTRATION SITE

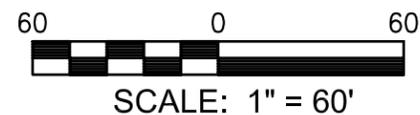
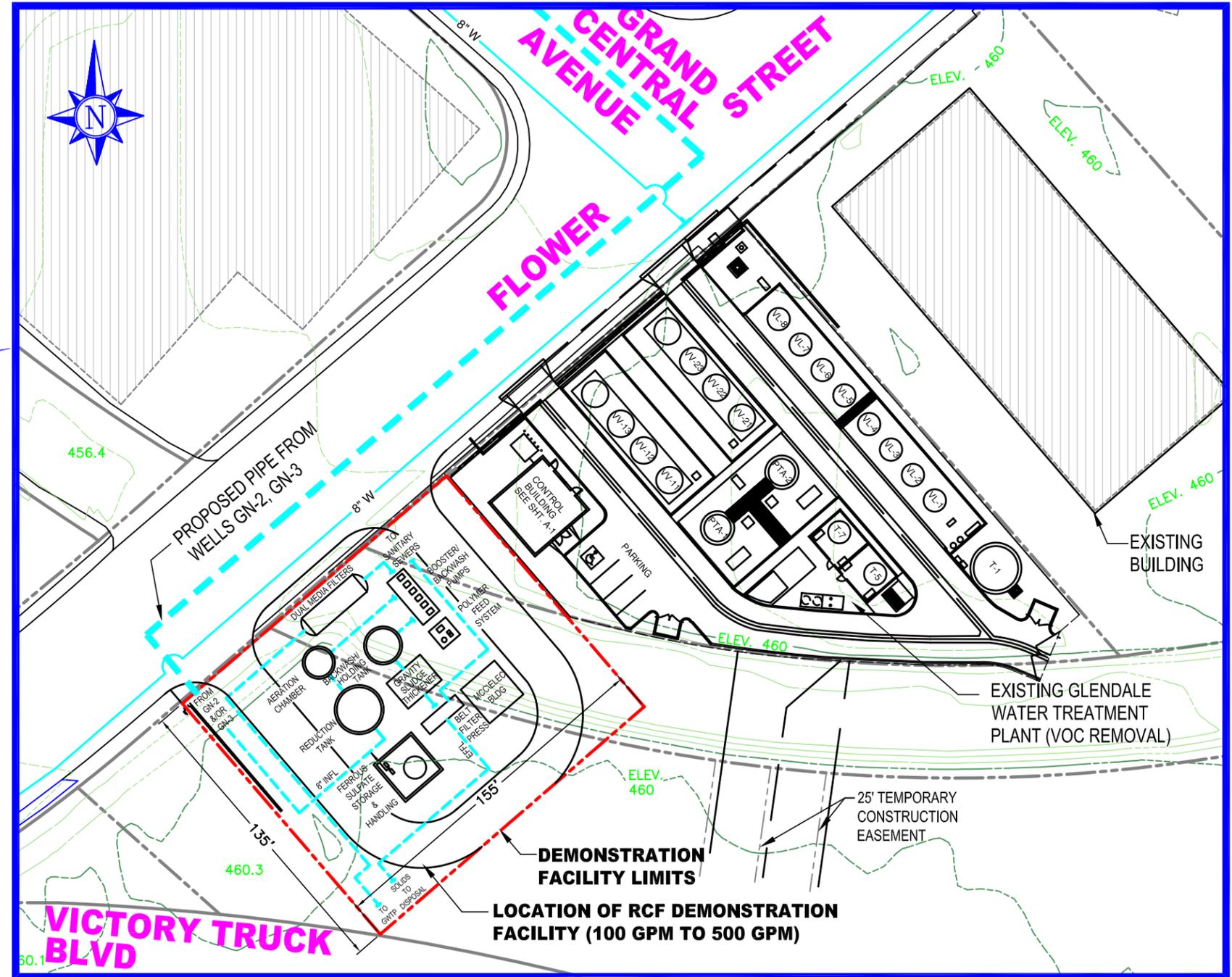
VICINITY MAP AND PROPOSED PIPELINE LOCATION

PORTION OF BURBANK QUADRANGLE
CALIFORNIA - LOS ANGELES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



1. ADDRESS 800 FLOWER STREET, GLENDALE
2. LEGAL DESCRIPTION:
LATITUDE N 34° 09' 26"
LONGITUDE N 118° 16' 51"
3. ZONE M1
4. LEGAL DESCRIPTION - RANCHO SAN RAFAEL PLOT
(No. RANGE/TOWNSHIP)

REDUCTION-COAGULATION-FILTRATION (RCF) FACILITY SITE LAYOUT



Appendix D: SECTION 106 REVIEW

**OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION**

P.O. BOX 942896
SACRAMENTO, CA 94296-0001
(916) 653-6624 Fax: (916) 653-9824
calshpo@ohp.parks.ca.gov
www.ohp.parks.ca.gov



May 14, 2007

In Reply Refer To: EPA070305A

Mr. Erik Krause
Senior Planner
Planning Department
City of Glendale
633 East Broadway, Room 103
Glendale, California 91206-4385

Re: Continued Consultation for Proposed Chromium 6 Demonstration Project at 800 Flower Street, Glendale, and 4041½ Goodwin Avenue, Los Angeles, Los Angeles County, California.

Dear Mr. Krause;

Thank you for continuing consultation with me, regarding the above noted undertaking, pursuant to 36 CFR Part 800 (as amended 8-05-04) regulations implementing Section 106 of the National Historic Preservation Act (NHPA). The Environmental Protection Agency (EPA) has authorized the City of Glendale to consult on their behalf regarding compliance with Section 106 for the subject undertaking. The EPA is providing grant funding for this project, the construction of chromium 6 extraction demonstration facilities at two locations in Los Angeles County. Both of the chosen locations have existing extraction wells that have produced water with high levels of chromium 6. Earlier in this consultation (SHPO letter of March 22, 2007) I requested that you provide evidence of your designated authority to act on behalf of the EPA regarding Section 106 compliance for this undertaking. Additionally, I requested that you have a records search completed by the South Central Coastal Information Center of the California Historical Resources Information System.

Site 1 is in a paved parking lot that is part of a grocery chain warehouse/distribution facility at 4041½ Goodwin Avenue in the City of Los Angeles. The Area of Potential Effects (APE) for Site 1 totals approximately 150 square feet, the extent of the footprint of the demonstration facility. Site 2 is located in a paved area of the Field Operations Center of the Glendale Water and Power Department at 800 Flower Street in the City of Glendale. The APE for Site 2 includes a treatment facility footprint of approximately 150 square feet and a pipeline route located in the public right-of-way under portions of Grandview Avenue, Grant Central Avenue, and Flower Street for the installation of a dedicated pipeline (approximately 1,800 linear feet of 12 inch diameter pipe).

In addition to your letters of March 1, 2007 and May 2, 2007, and attached maps and photographs, you have submitted a copy of an email from the EPA authorizing the City

of Glendale to consult with me regarding Section 106 compliance for this project, and the following document:

- *Record Search for Proposed Chromium 6 Demonstration Project at 800 Flower Street, Glendale, CA 91201 and 4041½ Goodwin Avenue, Los Angeles, CA 90039: SCCIC # 7502.4636 (South Central Coastal Information Center: April 20, 2007).*

After reviewing your letters and supporting documentation I have the following comments:

- 1) I concur that the Area of Potential Effects for this undertaking has been appropriately determined and documented pursuant to 36 CFR Part 800.4(a)(1).
- 2) I further concur with the evaluation by the South Central Coastal Information Center that conditions in the APE, specifically the fact that the footprints of both Chromium 6 Treatment facilities and the proposed dedicated pipeline route, being located entirely in parking areas and roadways paved with asphalt and concrete, preclude the usefulness of any type of surface reconnaissance. The SCCIC notes that while no recorded historic properties are located within the APE, historic maps and records indicated that numerous buildings, structures and features were previously located within a one-half mile radius of the project location, and that buried deposits and features relating to similar historic properties no longer extant may be present in the project area. The SCCIC recommended that an archeological monitor be present for ground disturbing activities required for this undertaking.
- 3) I further concur that the finding for this undertaking is No Historic Properties Affected pursuant to 36 CFR Part 800.4(d)(1). My concurrence with this finding is based on the agreement by the City of Glendale that an archeologist who meets the Secretary of the Interior's Standards for Archeology be present during ground disturbing activities and that the City of Glendale, being authorized to represent the EPA, acts in accordance with 36 CFR Part 800.13 regarding the identification and treatment of any post-review discoveries. Acceptance of this finding and conditions by the City of Glendale was verified in a phone contact between you and William Soule of my staff on May 14, 2007.

Thank you for seeking my comments and for considering historic properties in planning your project. If you require further information, please contact William Soule, Associate State Archeologist, at phone 916-654-4614 or email wsoule@parks.ca.gov.

Sincerely,

Susan K Shattler for

Milford Wayne Donaldson, FAIA
State Historic Preservation Officer



CITY OF GLENDALE, CALIFORNIA
Planning Division

631 East Broadway, Room 103
Glendale, California 91206-4385
(818) 548-2140 (818) 548-2144
(818) 548-2115 Fax (818) 240-0392
www.ci.glendale.ca.us

May 2, 2007

Mr. Milford Wayne Donaldson, FAIA
State Historic Preservation Officer
Office of Historic Preservation
State of California Department of Parks and Recreation
P.O. Box 942896
Sacramento, CA 94296-0001
Attention: William Soule, Associate State Archeologist

**RE: Continued Consultation under Section 106 of the National Historic Preservation Act (NHPA) for the Proposed Chromium 6 Demonstration Project
800 Flower Street, Glendale and 4041 ½ Goodwin Avenue, Los Angeles**

Dear Mr. Donaldson:

This letter is in response to comments outlined in your letter (EPA070305A) dated March 22, 2007. A response to information requested by SHPO is provided below.

Please find attached an email correspondence from Joe Jung with the Environmental Protection Agency (EPA) authorizing the City of Glendale to consult with SHPO. Mr. Jung can be reached at (415) 972-3583 should you have any questions.

A record search was conducted by the South Central Coastal Information Center (SCCIC) in April of 2007. As indicate in the letter from SCCIC no archeological sites have been identified within ½ mile radius of the project site and no archeological sites are located within the project site. However, due to the projects proximity to the Los Angeles River SCCIC considers the archeological sensitivity on the site to be moderate.

The letter recommended the following:

“Although the project occurs in urban areas where the surface and subsurface appears to have been previously disturbed, there is still potential for buried prehistoric and/or historic resources within the project’s boundaries. Furthermore, due to the project site’s proximity to the Los Angeles River, archaeological sensitivity is considered moderate. Current surface conditions do not appear to allow for an adequate survey of potential surface or sub-surface cultural artifacts. Therefore, in order to avoid damaging any previously unidentified cultural resources, an archaeological monitor should be in place for ground-disturbing activities.”



WE RECYCLE

Development of the project site is undergoing environmental review in a joint NEPA/CEQA document. As a result of this recommendation, mitigation will be added to the project requiring the presence of a qualified archeologist during ground disturbing activities.

Mr. Alan Loomis is the City's new CLG Coordinator. Mr. Loomis meets the Secretary of Interior's qualifications for Historic Architecture. Mr. Loomis concurs with the finding that this project is in compliance with Section 800.4 (d) of CFR Part 800 and will pose no adverse effect to historic properties. Should any such archeological resources be discovered at any time during the development of the project, they would be treated in accordance with state and federal guidelines for disclosure, recovery and preservation, as appropriate. The Planning Department hopes that your office concurs with our determination. Should you have any questions regarding this matter, please call me at (818) 548.2140.

Sincerely,

CITY OF GLENDALE, PLANNING DEPARTMENT



Erik Krause
Senior Planner



Alan Loomis, CLG Coordinator
Principal Urban Designer

cc: Don Froelich, City of Glendale Water and Power

Attachments:

Email from Joe Jung
South Central Coastal Information Center (SCCIC) Letter

Krause, Erik

From: Jung.Joe@epamail.epa.gov
Sent: Wednesday, April 11, 2007 7:08 AM
To: Krause, Erik
Subject: as you requested

TO: SHPO

I authorize the City of Glendale, California to consult with the SHPO on EPA's behalf on the project that EPA is providing grant funding for. If you have any questions regarding this matter, please contact me at 415-972-3583

Sincerely

Joe Jung
Water Division
manager, Grants

South Central Coastal Information Center
California Historical Resources Information System
California State University, Fullerton
Department of Anthropology
800 North State College Boulevard
Fullerton, CA 92834-6846
714.278.5395 / FAX 714.278.5542
anthro.fullerton.edu/sccic.html - sccic@fullerton.edu

Ventura
Los Angeles
Orange

April 20, 2007

SCCIC # 7502.4636

Mr. Erik Krause
City of Glendale
Planning Department
633 East Broadway
Room 103
Glendale, CA 91206-4385
(818) 548-2140

RE: Record Search for Proposed Chromium 6 Demonstration Project at 800 Flower Street, Glendale, CA 91201 and 4041½ Goodwin Avenue, Los Angeles, CA 90039

Dear Mr. Krause,

As per your request received on April 11, 2007, an expedited records search was conducted for the above referenced project. The search includes a review of all recorded archaeological sites within a ½-mile radius of the project site as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest (PHI), the California Historical Landmarks (CHL), the California Register of Historical Places (CR), the National Register of Historic Places (NR), the California State Historic Resources Inventory (HRI), and the City of Los Angeles Historic-Cultural Monuments listings were reviewed for the above referenced project site. The following is a discussion of the findings.

Due to the sensitive nature of cultural resources, archaeological site locations are not released.

Burbank, CA. USGS 7.5' Quadrangle

ARCHAEOLOGICAL RESOURCES:

No archaeological sites have been identified within a ½-mile radius of the project site. No sites are located within the project site. This does not preclude the potential for archaeological sites to be identified during project activities. No isolates have been identified within a ½-mile radius of the project site. No isolates are located within the project site.

HISTORIC RESOURCES:

One additional cultural resource (19-187573) has been identified within a 1/2-mile radius of the project site. This additional cultural resource is not located within the project site.

A review of the historic maps – Santa Monica (1902 and 1921) 15' USGS - indicated that in 1902 there were eleven structures, eight improved roads, one railroad line, and the Los Angeles River within a 1/2-mile search radius of the project site. Of these the Los Angeles River appears to be located partially in the project site located on Flower Street. In 1921 there were thirty-six structures, three unimproved roads, nineteen improved roads, one railroad line, and the Los Angeles River within a 1/2-mile search radius of the project site. Of these the Los Angeles River appears to be located partially in the project site located on Flower Street.

The California Point of Historical Interest (2006) of the Office of Historic Preservation, Department of Parks and Recreation, lists no properties within a 1/2-mile radius of the project site.

The California Historical Landmarks (2006) of the Office of Historic Preservation, Department of Parks and Recreation, lists no properties within a 1/2-mile radius of the project site.

The California Register of Historical Places (2006) lists one property within a 1/2-mile radius of the project site (see HRI property marked with a star). These are properties determined to have a National Register of Historic Places Status of 1 or 2, a California Historical Landmark numbering 770 and higher, or a Point of Historical Interest listed after 1/1/1998.

The National Register of Historic Places lists one property within a 1/2-mile radius of the project site (see HRI property marked with a star).

The City of Los Angeles Historic-Cultural Monuments lists no properties within a 1/2-mile radius of the project site.

The California Historic Resources Inventory (2006) lists fifteen properties that have been evaluated for historical significance within a 1/2-mile radius of the project site (see enclosed list).

PREVIOUS CULTURAL RESOURCES INVESTIGATIONS:

Fifteen studies (LA824, LA845, LA2210, LA2950, LA3950, LA4904, LA5025, LA6006, LA6722, LA6738, LA7263, LA7429, LA7840, LA8122, and LA8255) have been conducted within a 1/2-mile radius of the project site. Of these, none are located within the project site. There are nineteen additional investigations located on the Burbank 7.5' USGS Quadrangle that are potentially within a 1/2-mile radius of the project site. The reports are not mapped due to insufficient locational information.

(* = Located within the project site)

RECOMMENDATIONS

According to our records, the project site has not been subjected to any previous studies. Although the project sites occur in urban areas where the surface and subsurface appears to have been previously disturbed, there is still potential for buried prehistoric and / or historic resources within the project's boundaries. Furthermore, due to the project site's proximity to the Los Angeles River, archaeological sensitivity is considered moderate. Current surface conditions do not appear to allow for an adequate survey of potential surface or sub-surface cultural artifacts. Therefore, in order to avoid damaging any previously unidentified cultural resources, an archaeological monitor should be in place for ground-disturbing activities.

If any building(s) 45 years and older will be affected by the proposed project, it is recommended that the building(s) be assessed and evaluated for potential historical significance.

The professional archaeologist you retain may request the records search map, archaeological site records, and bibliography from the Information Center by referencing the SCCIC number listed above for a fee (per the fee schedule).

If you have any questions regarding the results presented herein, please contact the office at 714.278.5395 Monday through Thursday 8:00 am to 3:30 pm.

Should you require any additional information for the above referenced project, reference the SCCIC number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Sincerely,
SCCIC



Thomas David Shackford
Lead Staff Researcher

Enclosures:

- (X) HRI – 6 pages
- (X) National Register Status Codes – 3 pages
- (X) Referral List – 8 pages
- (X) Invoice # 7502.4636

PROPERTY-NUMBER	PRIMARY-#	STREET-ADDRESS	NAMES	CITY	OWN	YR-C	OHP-PROG.	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
149228		1606 BEN LOMOND DR		GLENDAL	P	1926	HIST.SURV.	1209-0138-0066	09/30/04	6L	
149229		1607 BEN LOMOND DR		GLENDAL	P	1943	HIST.SURV.	1209-0138-0067	09/30/04	6L	
149230		1610 BEN LOMOND DR		GLENDAL	P	1936	HIST.SURV.	1209-0138-0068	09/30/04	6L	
149231		1611 BEN LOMOND DR		GLENDAL	P	1943	HIST.SURV.	1209-0138-0069	09/30/04	6L	
149232		1614 BEN LOMOND DR		GLENDAL	P	1927	HIST.SURV.	1209-0138-0070	09/30/04	6L	
149233		1615 BEN LOMOND DR		GLENDAL	P	1950	HIST.SURV.	1209-0138-0071	09/30/04	5B	
149234		1618 BEN LOMOND DR		GLENDAL	P	1927	HIST.SURV.	1209-0138-0072	09/30/04	62	
149235		1621 BEN LOMOND DR		GLENDAL	P	1912	HIST.SURV.	1209-0138-0073	09/30/04	6L	
149236		1622 BEN LOMOND DR		GLENDAL	P	1948	HIST.SURV.	1209-0138-0074	09/30/04	62	
149237		1623 BEN LOMOND DR		GLENDAL	P	1925	HIST.SURV.	1209-0138-0075	09/30/04	62	
149238		1628 BEN LOMOND DR		GLENDAL	P	1931	HIST.SURV.	1209-0138-0076	09/30/04	6L	
149239		1631 BEN LOMOND DR		GLENDAL	P	1910	HIST.SURV.	1209-0138-0077	09/30/04	3B	
149240		1632 BEN LOMOND DR		GLENDAL	P	1926	HIST.SURV.	1209-0138-0078	09/30/04	6L	
149241		1636 BEN LOMOND DR		GLENDAL	P	1928	HIST.SURV.	1209-0138-0079	09/30/04	6L	
149242		1639 BEN LOMOND DR		GLENDAL	P	1928	HIST.SURV.	1209-0138-0080	09/30/04	6L	
149243		1640 BEN LOMOND DR		GLENDAL	P	1940	HIST.SURV.	1209-0138-0081	09/30/04	6L	
149244		1641 BEN LOMOND DR		GLENDAL	P	1923	HIST.SURV.	1209-0138-0082	09/30/04	6L	
149245		1646 BEN LOMOND DR		GLENDAL	P	1926	HIST.SURV.	1209-0138-0083	09/30/04	6L	
149246		1647 BEN LOMOND DR		GLENDAL	P	1925	HIST.SURV.	1209-0138-0084	09/30/04	6L	
149247		1650 BEN LOMOND DR		GLENDAL	P	1930	HIST.SURV.	1209-0138-0085	09/30/04	6L	
149248		1651 BEN LOMOND DR		GLENDAL	P	1945	HIST.SURV.	1209-0138-0086	09/30/04	6L	
149249		1655 BEN LOMOND DR		GLENDAL	P	1924	HIST.SURV.	1209-0138-0087	09/30/04	6L	
149250		1656 BEN LOMOND DR		GLENDAL	P	1941	HIST.SURV.	1209-0138-0088	09/30/04	6L	
149251		1659 BEN LOMOND DR		GLENDAL	P	1923	HIST.SURV.	1209-0138-0089	09/30/04	62	
149252		1660 BEN LOMOND DR		GLENDAL	P	1926	HIST.SURV.	1209-0138-0090	09/30/04	6L	
149253		1664 BEN LOMOND DR		GLENDAL	P	1925	HIST.SURV.	1209-0138-0091	09/30/04	6L	
149254		1665 BEN LOMOND DR		GLENDAL	P	1924	HIST.SURV.	1209-0138-0092	09/30/04	62	
149255		1709 BEN LOMOND DR		GLENDAL	P	1928	HIST.SURV.	1209-0138-0093	09/30/04	5B	
149256		1714 BEN LOMOND DR		GLENDAL	P	1936	HIST.SURV.	1209-0138-0094	09/30/04	6L	
149257		1715 BEN LOMOND DR		GLENDAL	P	1926	HIST.SURV.	1209-0138-0095	09/30/04	5B	
149258		1719 BEN LOMOND DR		GLENDAL	P	1949	HIST.SURV.	1209-0138-0096	09/30/04	6L	
149259		1720 BEN LOMOND DR		GLENDAL	P	1950	HIST.RES.	1209-0138-0097	09/30/04	6L	
149260		1724 BEN LOMOND DR		GLENDAL	P	1928	HIST.SURV.	1209-0138-0098	09/30/04	6L	
149261		1725 BEN LOMOND DR		GLENDAL	P	1928	HIST.SURV.	1209-0138-0099	09/30/04	5B	
149262		1729 BEN LOMOND DR		GLENDAL	P	1926	HIST.SURV.	1209-0138-0100	09/30/04	6L	
149263		1733 BEN LOMOND DR		GLENDAL	P	1947	HIST.SURV.	1209-0138-0101	09/30/04	6L	
077373		1451 BOARDVIEW DR		GLENDAL	U	1930	PROJ.REV.	HUD206151	07/16/92	6Y	
033412		BONITA DR	SAN RAFAEL RANCH; VERDUGO ADOBE-OA	GLENDAL	P	1823	HIST.RES.	NPS-76000487-0000	12/12/76	1S	
							HIST.SURV.	1209-0002-0000	01/01/76	1S	
							HIST.RES.	SHL-0235-0000	10/31/35	7L	
033625		2211 BONITA DR	CATALINA VERDUGO ADOBE; CATALINA A	GLENDAL	P	1828	HIST.SURV.	1209-0071-0000	03/10/58	7L	
							HIST.RES.	SHL-0637-0000	05/22/91	3S	
033626		2211 BONITA DR	GEN. ANDRES PICO OAK TREE CAMP SIT	GLENDAL	P	1828	HIST.SURV.	1209-0072-0000	11/17/92	6Y	
079719		1220 BOYNTON ST		GLENDAL	P	1922	PROJ.REV.	HUD21013N		5S2	
033476		BRAND AVE	BRAND BOULEVARD COMMERCIAL DISTRICT	GLENDAL	P	1905	HIST.SURV.	1209-0008-9999	01/01/86	2S2	
033622		BRAND AVE	BRIDGE #53C-738, BRAND AVENUE BRID	GLENDAL	M	1937	HIST.SURV.	1209-0068-0000	01/13/86	2S	AC
067461		825 BURCHETT ST		GLENDAL	U	1926	PROJ.REV.	HUD900514E	06/14/90	6Y	
065343		848 BURCHETT ST	RESIDENCE	GLENDAL	U	1911	PROJ.REV.	HUD70813C	09/11/87	6Y	
070132		140 CARR DR		GLENDAL	U	1911	PROJ.REV.	HUD910301A	04/08/91	6Y	
066832		144 CARR ST		GLENDAL	U	1950	PROJ.REV.	HUD880808E	09/08/88	6Y	
160511		615 CHESTER ST		GLENDAL	P	1950	PROJ.REV.	HUD051219B	01/10/06	6Y	
084217		200 CHEVY CHASE DR		GLENDAL	U	1935	PROJ.REV.	HUD930823G	09/17/93	6Y	
077372		206 CHEVY CHASE DR		GLENDAL	U	1939	PROJ.REV.	HUD920615H	07/16/92	6Y	
066868		1210 CLEVELAND RD		GLENDAL	U	1939	PROJ.REV.	HUD880520B	09/22/88	6Y	
149264		1515 CLEVELAND RD		GLENDAL	P	1939	HIST.SURV.	1209-0138-0102	09/30/04	6L	

PROPERTY-NUMBER	PRIMARY #	STREET-ADDRESS	NAMES	CITY	OWN	YR-C	OHP-PROG.	PRG-REFERENCE-NUMBER	STAT-DAT	NRS	CRIT
033616		1127 E WILSON AVE		GLENDALE	P	1905	HIST.SURV.	1209-0065-0005		7N	
033617		1131 E WILSON AVE		GLENDALE	P	1916	HIST.SURV.	1209-0065-0006		7R	
033618		1143 E WILSON AVE	PETER PAULSON HOUSE	GLENDALE	P	1922	HIST.SURV.	1209-0065-0007		7R	
087612		123 E WINDSOR RD		GLENDALE	P	1927	HIST.SURV.	1209-0115-0000		01/01/93	7R
067020		1005 E WINDSOR RD		GLENDALE	U		PROJ.REVW.	HUD891127J		12/28/89	6Y
079707		411 EDWARDS PL		GLENDALE	P	1949	PROJ.REVW.	HUD921013G		11/17/92	6Y
149389		1544 EL MIRADERO AVE		GLENDALE	P	1932	HIST.SURV.	1209-0138-0221		09/30/04	6L
149390		1550 EL MIRADERO AVE		GLENDALE	P	1939	HIST.SURV.	1209-0138-0222		09/30/04	6L
073179		1440 EL RITO AVE		GLENDALE	U	1921	PROJ.REVW.	HUD910912K		10/17/91	6Y
084996		4629 ENCINAL RD		GLENDALE	P	1943	PROJ.REVW.	HUD931101G		12/14/93	6Y
126195		1517 FLOWER ST		GLENDALE	P	1948	HIST.RES.	DOE-19-00-0307-0000		03/31/00	6Y
				GLENDALE	P	1947	PROJ.REVW.	FHWA000323A		03/31/00	6Y
126196		1521 FLOWER ST		GLENDALE	P	1947	HIST.RES.	DOE-19-00-0308-0000		03/31/00	6Y
126193		1530 FLOWER ST		GLENDALE	P	1939	PROJ.REVW.	FHWA000323A		03/31/00	6Y
				GLENDALE	P	1939	HIST.RES.	DOE-19-00-0305-0000		03/31/00	6Y
126203		1607 FLOWER ST		GLENDALE	P	1949	PROJ.REVW.	FHWA000323A		03/31/00	6Y
				GLENDALE	P	1949	HIST.RES.	DOE-19-00-0316-0000		03/31/00	6Y
126204		1625 FLOWER ST		GLENDALE	P	1948	PROJ.REVW.	FHWA000323A		03/31/00	6Y
				GLENDALE	P	1948	HIST.RES.	DOE-19-00-0317-0000		03/31/00	6Y
126211		1742 FLOWER ST		GLENDALE	P	1926	HIST.RES.	DOE-19-00-0382-0000		03/31/00	6Y
				GLENDALE	P	1926	PROJ.REVW.	FHWA000323A		03/31/00	6Y
126212		1763 FLOWER ST		GLENDALE	P	1953	HIST.RES.	DOE-19-00-0325-0000		03/31/00	6Y
				GLENDALE	P	1953	PROJ.REVW.	FHWA000323A		03/31/00	6Y
033623		GENEVA BLVD	BRIDGE #53C-736, GENEVA BOULEVARD	GLENDALE	M	1937	PROJ.REVW.	FHWA850823A		01/13/86	2S
				GLENDALE	U	1931	PROJ.REVW.	HUD910912a		12/03/91	6Y
074174		630 GLENMORE BLVD		GLENDALE	U	1925	PROJ.REVW.	HUD921013M		11/17/92	6Y
079716		675 GLENMORE BLVD		GLENDALE	P	1923	HIST.SURV.	1209-0135-0000		09/12/90	5S2
087804		684 GLENMORE BLVD	STONE HOUSE	GLENDALE	P	1923	HIST.SURV.	1209-0135-0000		10/28/77	2S
069353		GLENOAKS BLVD	BRIDGE #53C-735, HISTORIC TRUSS BR	GLENDALE	U		PROJ.REVW.				
033624		GLENOAKS BLVD	BRIDGE #53C-735, GLENOAKS BOULEVARD	GLENDALE	M	1937	HIST.SURV.	1209-0070-0000		01/01/86	2S2
				GLENDALE	P	1928	PROJ.REVW.	FHWA850823A		01/13/86	2S
087029		479 GLENOAKS BLVD		GLENDALE	P	1926	PROJ.REVW.	HUD931227C		02/02/94	6Y
077440		739 GLENOAKS BLVD		GLENDALE	U	1926	PROJ.REVW.	HUD920702C		08/06/92	6Y
149391		813 GLENVIEW RD		GLENDALE	P	1926	HIST.SURV.	1209-0138-0223		09/30/04	6L
149392		819 GLENVIEW RD		GLENDALE	P	1921	HIST.SURV.	1209-0138-0224		09/30/04	6Z
149393		823 GLENVIEW RD		GLENDALE	P	1924	HIST.SURV.	1209-0138-0225		09/30/04	6L
100361		700 GLENWOOD RD	TOLL JUNIOR HIGH SCHOOL	GLENDALE	D	1926	HIST.RES.	DOE-19-95-0114-0000		03/30/95	2S2
				GLENDALE	P	1926	PROJ.REVW.	HRG940202Z		03/30/95	2S2
074343		721 GLENWOOD RD		GLENDALE	U	1940	PROJ.REVW.	HUD920110B		01/24/92	6Y
149394		1508 GRANDVIEW AVE		GLENDALE	P	1939	HIST.SURV.	1209-0138-0226		09/30/04	6L
149395		1511 GRANDVIEW AVE		GLENDALE	P	1935	HIST.SURV.	1209-0138-0227		09/30/04	6L
149396		1512 GRANDVIEW AVE		GLENDALE	P	1929	HIST.SURV.	1209-0138-0228		09/30/04	6L
149397		1515 GRANDVIEW AVE		GLENDALE	P	1948	HIST.SURV.	1209-0138-0229		09/30/04	6L
149398		1520 GRANDVIEW AVE		GLENDALE	P	1948	HIST.SURV.	1209-0138-0230		09/30/04	6Z
149399		1521 GRANDVIEW AVE		GLENDALE	P	1927	HIST.SURV.	1209-0138-0231		09/30/04	6L
149400		1524 GRANDVIEW AVE		GLENDALE	P	1973	HIST.SURV.	1209-0138-0232		09/30/04	6Z
149401		1525 GRANDVIEW AVE		GLENDALE	P	1949	HIST.SURV.	1209-0138-0233		09/30/04	5B
149402		1529 GRANDVIEW AVE		GLENDALE	P	1939	HIST.SURV.	1209-0138-0234		09/30/04	6Z
149403		1530 GRANDVIEW AVE		GLENDALE	P	1920	HIST.SURV.	1209-0138-0235		09/30/04	6L
149404		1535 GRANDVIEW AVE		GLENDALE	P	1939	HIST.SURV.	1209-0138-0236		09/30/04	6L
149405		1536 GRANDVIEW AVE		GLENDALE	P	1922	HIST.SURV.	1209-0138-0237		09/30/04	6L
149406		1537 GRANDVIEW AVE		GLENDALE	P	1940	HIST.SURV.	1209-0138-0238		09/30/04	6Z
149407		1540 GRANDVIEW AVE		GLENDALE	P	1947	HIST.SURV.	1209-0138-0239		09/30/04	6L
149408		1543 GRANDVIEW AVE		GLENDALE	P	1923	HIST.SURV.	1209-0138-0240		09/30/04	6Z
149409		1546 GRANDVIEW AVE		GLENDALE	P	1946	HIST.SURV.	1209-0138-0241		09/30/04	6L

PROPERTY-NUMBER	PRIMARY-#	STREET-ADDRESS	NAMES	CITY	OWN	YR-C	OHP-PROG.	PRG-REFERENCE-NUMBER	STAT-DATE	NRS	CRIT
149410		1547 GRANDVIEW AVE		GLENDALE	P	1934	HIST.SURV.	1209-0138-0242	09/30/04	6L	
149411		1550 GRANDVIEW AVE		GLENDALE	P	1948	HIST.SURV.	1209-0138-0243	09/30/04	6L	
149412		1551 GRANDVIEW AVE		GLENDALE	P	1929	HIST.SURV.	1209-0138-0244	09/30/04	6L	
149413		1552 GRANDVIEW AVE		GLENDALE	P	1951	HIST.SURV.	1209-0138-0245	09/30/04	6Z	
149414		1559 GRANDVIEW AVE		GLENDALE	P	1926	HIST.SURV.	1209-0138-0246	09/30/04	6L	
149415		1560 GRANDVIEW AVE		GLENDALE	P	1923	HIST.SURV.	1209-0138-0247	09/30/04	5B	
149416		1566 GRANDVIEW AVE		GLENDALE	P	1927	HIST.SURV.	1209-0138-0248	09/30/04	5B	
149417		1572 GRANDVIEW AVE		GLENDALE	P	1937	HIST.SURV.	1209-0138-0249	09/30/04	5B	
149418		1600 GRANDVIEW AVE		GLENDALE	P	1995	HIST.SURV.	1209-0138-0250	09/30/04	6Z	
149430		1601 GRANDVIEW AVE		GLENDALE	P	1950	HIST.SURV.	1209-0138-0251	09/30/04	6Z	
149431		1602 GRANDVIEW AVE		GLENDALE	P	1949	HIST.SURV.	1209-0138-0252	09/30/04	6L	
149432		1606 GRANDVIEW AVE		GLENDALE	P	1940	HIST.SURV.	1209-0138-0253	09/30/04	6L	
149433		1610 GRANDVIEW AVE		GLENDALE	P	1926	HIST.SURV.	1209-0138-0254	09/30/04	6L	
149434		1616 GRANDVIEW AVE		GLENDALE	P	1931	HIST.SURV.	1209-0138-0255	09/30/04	6L	
149435		1624 GRANDVIEW AVE		GLENDALE	P	1931	HIST.SURV.	1209-0138-0256	09/30/04	6L	
149436		1625 GRANDVIEW AVE		GLENDALE	P	1923	HIST.SURV.	1209-0138-0257	09/30/04	6L	
149437		1629 GRANDVIEW AVE		GLENDALE	P	1953	HIST.SURV.	1209-0138-0258	09/30/04	6L	
149438		1630 GRANDVIEW AVE		GLENDALE	P	1941	HIST.SURV.	1209-0138-0259	09/30/04	6L	
149440		1631 GRANDVIEW AVE		GLENDALE	P	1938	HIST.SURV.	1209-0138-0260	09/30/04	6L	
149441		1635 GRANDVIEW AVE		GLENDALE	P	1940	HIST.SURV.	1209-0138-0261	09/30/04	6Z	
149442		1636 GRANDVIEW AVE		GLENDALE	P	1922	HIST.SURV.	1209-0138-0262	09/30/04	6L	
149443		1641 GRANDVIEW AVE		GLENDALE	P	1922	HIST.SURV.	1209-0138-0263	09/30/04	6L	
149444		1644 GRANDVIEW AVE		GLENDALE	P	1935	HIST.SURV.	1209-0138-0264	09/30/04	6L	
149445		1650 GRANDVIEW AVE		GLENDALE	P	1927	HIST.SURV.	1209-0138-0265	09/30/04	6L	
149446		1655 GRANDVIEW AVE		GLENDALE	P	1949	HIST.SURV.	1209-0138-0266	09/30/04	6Z	
149447		1658 GRANDVIEW AVE		GLENDALE	P	1939	HIST.SURV.	1209-0138-0267	09/30/04	6L	
149448		1661 GRANDVIEW AVE		GLENDALE	P	1936	HIST.SURV.	1209-0138-0268	09/30/04	6L	
149449		1663 GRANDVIEW AVE		GLENDALE	P	1925	HIST.SURV.	1209-0138-0269	09/30/04	5B	
149450		1700 GRANDVIEW AVE		GLENDALE	P	1913	HIST.SURV.	1209-0138-0270	09/30/04	6L	
149451		1701 GRANDVIEW AVE		GLENDALE	P	1937	HIST.SURV.	1209-0138-0271	09/30/04	6L	
149452		1707 GRANDVIEW AVE		GLENDALE	P	1923	HIST.SURV.	1209-0138-0272	09/30/04	6Z	
149453		1708 GRANDVIEW AVE		GLENDALE	P	1939	HIST.SURV.	1209-0138-0273	09/30/04	6Z	
149454		1714 GRANDVIEW AVE		GLENDALE	P	1934	HIST.SURV.	1209-0138-0274	09/30/04	6L	
149455		1717 GRANDVIEW AVE		GLENDALE	P	1922	HIST.SURV.	1209-0138-0275	09/30/04	6L	
149456		1720 GRANDVIEW AVE		GLENDALE	P	1936	HIST.SURV.	1209-0138-0276	09/30/04	6L	
149457		1725 GRANDVIEW AVE		GLENDALE	P	1956	HIST.SURV.	1209-0138-0277	09/30/04	6Z	
149458		1729 GRANDVIEW AVE		GLENDALE	P	1922	HIST.SURV.	1209-0138-0278	09/30/04	6Z	
149459		1730 GRANDVIEW AVE		GLENDALE	P	1936	HIST.SURV.	1209-0138-0279	09/30/04	6L	
149460		1734 GRANDVIEW AVE		GLENDALE	P	1935	HIST.SURV.	1209-0138-0280	09/30/04	6Z	
149461		1735 GRANDVIEW AVE		GLENDALE	P	1999	HIST.SURV.	1209-0138-0281	09/30/04	6Z	
149462		1740 GRANDVIEW AVE		GLENDALE	P	1935	HIST.SURV.	1209-0138-0282	09/30/04	6Z	
149463		1745 GRANDVIEW AVE		GLENDALE	P	1951	HIST.SURV.	1209-0138-0283	09/30/04	6L	
149464		1746 GRANDVIEW AVE		GLENDALE	P	1935	HIST.SURV.	1209-0138-0284	09/30/04	6L	
149465		1750 GRANDVIEW AVE		GLENDALE	P	1924	HIST.SURV.	1209-0138-0285	09/30/04	6L	
149466		1754 GRANDVIEW AVE		GLENDALE	P	1949	HIST.SURV.	1209-0138-0286	09/30/04	6L	
149467		1760 GRANDVIEW AVE		GLENDALE	P	1950	HIST.SURV.	1209-0138-0287	09/30/04	6L	
149468		1770 GRANDVIEW AVE		GLENDALE	P	1925	HIST.SURV.	1209-0138-0288	09/30/04	5B	
126229		862 GRANGE ST		GLENDALE	P	1937	HIST.RES.	DOE-19-00-0342-0000	03/20/00	6Y	
								FHWA000228A	03/20/00	6Y	
126230		866 GRANGE ST		GLENDALE	P	1937	HIST.RES.	DOE-19-00-0343-0000	03/20/00	6Y	
								FHWA000228A	03/20/00	6Y	
126231		870 GRANGE ST		GLENDALE	P	1946	HIST.RES.	DOE-19-00-0344-0000	03/20/00	6Y	
								FHWA000228A	03/20/00	6Y	
126232		874 GRANGE ST		GLENDALE	P	1953	HIST.RES.	DOE-19-00-0345-0000	03/20/00	6Y	
								FHWA000228A	03/20/00	6Y	
077377		500 GRISWOLD ST		GLENDALE	U	1920	PROJ.REVW.	HUD9206150	07/16/92	6Y	

PROPERTY-NUMBER	PRIMARY #	STREET ADDRESS	NAMES	CITY	OWN	YR-C	OHP-PROG.	PRG-REFERENCE-NUMBER	STAT-DATE	NRS	CRIT
033574		228 S KENWOOD ST	ELLIS APARTMENTS	GLENDAL	P	1927	HIST.SURV.	1209-0050-0000		552	
033575		232 S KENWOOD ST		GLENDAL	P	1926	HIST.SURV.	1209-0051-0000		552	
101617		400 S LOUISE RD	HOLY FAMILY ELEMENTARY SCHOOL	GLENDAL	P	1925	HIST.RES.	DOE-19-94-0564-0000	10/09/95	252	A
			BETTER AUTO BODY	GLENDAL	P	1926	PROJ.REVW.	HRG940202Z	10/09/95	252	A
033579		113 S LOUISE ST		GLENDAL	P	1926	HIST.SURV.	1209-0055-0000		552	
033580		117 S LOUISE ST		GLENDAL	P	1921	HIST.SURV.	1209-0056-0000		7N	
033631		120 S LOUISE ST		GLENDAL	U	1927	HIST.SURV.	1209-0077-0000		7R	
033581		128 S LOUISE ST		GLENDAL	P	1909	HIST.SURV.	1209-0057-0000		552	
087590		400 S LOUISE ST	HOLY FAMILY ROMAN CATHOLIC SCHOOL	GLENDAL	P	1925	HIST.SURV.	1209-0107-0000	01/01/93	7R	
087591		606 S LOUISE ST	GLENDAL FILIPINO SEVENTH DAY ADVE	GLENDAL	P	1925	HIST.SURV.	1209-0108-0000	01/01/93	7R	
087596		S MARYLAND AVE	700 BLOCK OF SOUTH MARYLAND HISTOR	GLENDAL	P	1908	HIST.SURV.	1209-0112-9999	01/01/93	7R	
087603		S MARYLAND AVE	1200 SOUTH MARYLAND AVENUE HISTORI	GLENDAL	P	1910	HIST.SURV.	1209-0113-9999	01/01/93	7R	
033583		123 S MARYLAND AVE		GLENDAL	U	1919	HIST.SURV.	1209-0059-0000		7R	
087597		718 S MARYLAND AVE		GLENDAL	P	1922	HIST.SURV.	1209-0112-0001	01/01/93	7R	
087598		719 S MARYLAND AVE		GLENDAL	P	1920	HIST.SURV.	1209-0112-0002	01/01/93	7R	
087599		720 S MARYLAND AVE		GLENDAL	P	1913	HIST.SURV.	1209-0112-0003	01/01/93	7R	
087600		722 S MARYLAND AVE		GLENDAL	P	1913	HIST.SURV.	1209-0112-0004	01/01/93	7R	
087601		725 S MARYLAND AVE		GLENDAL	P	1913	HIST.SURV.	1209-0112-0005	01/01/93	7R	
087602		727 S MARYLAND AVE		GLENDAL	P	1908	HIST.SURV.	1209-0112-0006	01/01/94	7R	
087604		1238 S MARYLAND AVE		GLENDAL	P	1911	HIST.SURV.	1209-0113-0001	01/01/93	7R	
087605		1242 S MARYLAND AVE		GLENDAL	P	1911	HIST.SURV.	1209-0113-0002	01/01/93	7R	
087606		1246 S MARYLAND AVE		GLENDAL	P	1911	HIST.SURV.	1209-0113-0003	01/01/93	7R	
087607		1251 S MARYLAND AVE		GLENDAL	P	1910	HIST.SURV.	1209-0113-0004	01/01/93	7R	
087608		1258 S MARYLAND AVE		GLENDAL	P	1913	HIST.SURV.	1209-0113-0005	01/01/93	7R	
087609		1259 S MARYLAND AVE		GLENDAL	P	1910	HIST.SURV.	1209-0113-0006	01/01/93	7R	
065957		129 S VERDUGO RD		GLENDAL	P	1910	PROJ.REVW.	HUD890616B	07/12/89	6Y	
073185		325 S VERDUGO RD		GLENDAL	U	1924	PROJ.REVW.	HUD930524G	07/06/93	6Y	
				GLENDAL	P	1924	PROJ.REVW.	HUD910912S	10/17/91	6Y	
033634		401 S VERDUGO RD		GLENDAL	U	1928	HIST.SURV.	1209-0080-0000		7R	
082693		544 SALEM ST		GLENDAL	P	1924	PROJ.REVW.	HUD930524F	07/06/93	6Y	
033630		SAN FERNANDO RD	CHILD YOUTH & FAMILY SERVICES	GLENDAL	M	1987	HIST.SURV.	1209-0076-0000		6Y	
126233		SAN FERNANDO RD	CALIFRANS BRIDGE #53C026	GLENDAL	F	1939	HIST.RES.	DOE-19-00-0346 0000	03/20/00	6Y	
				GLENDAL	P	1939	PROJ.REVW.	PHWA000228A	03/20/00	6Y	
087611		3722 SAN FERNANDO RD		GLENDAL	P	1922	HIST.SURV.	1209-0114-0000	01/01/93	7R	
033628		4322 SAN FERNANDO RD	CYO COMMUNITY CENTER	GLENDAL	M	1987	HIST.SURV.	1209-0074-0000	01/01/93	7R	
				GLENDAL	P	1921	PROJ.REVW.	HUD870403A	04/09/87	6Y	
126220		5512 SAN FERNANDO RD		GLENDAL	P	1921	HIST.RES.	DOE-19-00-0333-0000	03/20/00	6Y	
				GLENDAL	P	1921	PROJ.REVW.	PHWA000228A	03/20/00	6Y	
065347		1140 SCOFIELD DR	RESIDENCE	GLENDAL	U	1938	HIST.RES.	DOE-19-95-0115-0000	09/11/87	6Y	
100362		1041 SHIRLYJEAN ST	CAMP MAX STRAUS INFIRMARY	GLENDAL	P	1938	PROJ.REVW.	HRG940202Z	08/01/95	6Y	
				GLENDAL	P	1938	PROJ.REVW.	HRG940202Z	08/01/95	6Y	
087787		3544 SIERRA VISTA AVE	STONE HOUSE	GLENDAL	P	1923	HIST.SURV.	1209-0119-0000	09/12/90	5S2	
126192		641 SONORA AVE		GLENDAL	P	1920	HIST.RES.	DOE-19-00-0304-0000	03/31/00	2S2	C
				GLENDAL	P	1920	PROJ.REVW.	PHWA000323A	03/31/00	2S2	C
126194		701 SONORA AVE		GLENDAL	P	1948	HIST.RES.	DOE-19-00-0306-0000	03/31/00	6Y	
				GLENDAL	P	1948	PROJ.REVW.	PHWA000323A	03/31/00	6Y	
126214		1708 STANDARD AVE		GLENDAL	P	1927	HIST.RES.	DOE-19-00-0327-0000	03/31/00	6Y	
				GLENDAL	P	1927	PROJ.REVW.	PHWA000323A	03/31/00	6Y	
084215		1419 STANLEY AVE		GLENDAL	P	1940	PROJ.REVW.	HUD930823F	09/17/93	6Y	
149683		1501 STONE LANE		GLENDAL	P	1976	HIST.SURV.	1209-0138-0493	09/30/04	6Z	
149684		1510 STONE LANE		GLENDAL	P	1968	HIST.SURV.	1209-0138-0494	09/30/04	6Z	
149685		1511 STONE LANE		GLENDAL	P	1972	HIST.SURV.	1209-0138-0495	09/30/04	6Z	
149686		1515 STONE LANE		GLENDAL	P	1970	HIST.SURV.	1209-0138-0496	09/30/04	6Z	
149689		1516 STONE LANE		GLENDAL	P	1968	HIST.SURV.	1209-0138-0497	09/30/04	6Z	
149690		1521 STONE LANE		GLENDAL	P	1972	HIST.SURV.	1209-0138-0498	09/30/04	6Z	
149691		1522 STONE LANE		GLENDAL	P	1970	HIST.SURV.	1209-0138-0499	09/30/04	6Z	

PROPERTY-NUMBER	PRIMARY #	STREET ADDRESS	NAMES	CITY	OWN	YR C	ORHP-PROG.	PRG-REFERENCE-NUMBER	STAT DAT	NRS	CRIT
149692		1525 STONE LANE		GLENDAL	P	1969	HIST. SURV.	1209-0138-0500	09/30/04	62	
149693		1526 STONE LANE		GLENDAL	P	1973	HIST. SURV.	1209-0138-0501	09/30/04	62	
149694		1531 STONE LANE		GLENDAL	P	1969	HIST. SURV.	1209-0138-0502	09/30/04	62	
126207		518 THOMPSON AVE		GLENDAL	P	1925	HIST. RES.	DOE-19-00-0320-0000	03/31/00	6Y	
							PROJ. REVW.	FHWA000323A	03/31/00	6Y	
126208		522 THOMPSON AVE		GLENDAL	P	1942	HIST. RES.	DOE-19-00-0321-0000	03/31/00	6Y	
							PROJ. REVW.	FHWA000323A	03/31/00	6Y	
126210		628 THOMPSON AVE		GLENDAL	P	1930	HIST. RES.	DOE-19-00-0323-0000	03/31/00	6Y	
							PROJ. REVW.	FHWA000323A	03/31/00	6Y	
126213		722 THOMPSON AVE		GLENDAL	P	1934	HIST. RES.	DOE-19-00-0326-0000	03/31/00	6Y	
							PROJ. REVW.	FHWA000323A	03/31/00	6Y	
126215		902 THOMPSON AVE		GLENDAL	P	1929	HIST. RES.	DOE 19-00-0328-0000	03/31/00	6Y	
							PROJ. REVW.	FHWA000323A	03/31/00	6Y	
067111		1421 VALVERDE PL	PROPERTY REHABILITATION	GLENDAL	U		PROJ. REVW.	HUD891227C	02/15/90	6Y	
066686		1929 VASSER ST		GLENDAL	U		PROJ. REVW.	HUD890520F	06/16/88	6Y	
065358		1012 VIRGINIA AVE	RESIDENCE	GLENDAL	U		PROJ. REVW.	HUD870828H	09/21/87	6Y	
086737		122 W ACACIA AVE		GLENDAL	P	1895	HIST. SURV.	1209-0086-0000	01/01/93	7R	
066583		412 W ACACIA AVE	BLDG REHABILITATION	GLENDAL	U		PROJ. REVW.	HUD880325F	04/27/88	6Y	
066584		414 W ACACIA AVE	RENTAL REHABILITATION	GLENDAL	U		PROJ. REVW.	HUD880325G	04/27/88	6Y	
066585		418 W ACACIA AVE	RENTAL REHABILITATION	GLENDAL	U	1923	PROJ. REVW.	HUD920702E	08/06/92	6Y	
077441		544 W BROADWAY	HOMENETMEN BASKETBALL FACILITY	GLENDAL	U	1930	PROJ. REVW.	HUD910912Z	12/03/91	6Y	
074175		448 W CALIFORNIA AVE		GLENDAL	U	1924	HIST. RES.	NFS-97000376-0000	09/30/96	1S	AC
101437		400 W CERRITOS AVE	GLENDAL RAILROAD DEPOT/SOUTHERN P	GLENDAL	M		NAT. REG.	19-0242	09/30/96	3S	AC
							HIST. RES.	DOE-19-94-0486-0000	08/08/94	2S2	AC
							PROJ. REVW.	HFG940202Z	08/08/94	2S2	AC
065872		125 W CHESTNUT ST		GLENDAL	U		PROJ. REVW.	HUD890505C	06/05/89	6Y	
087580		213 W CHESTNUT ST		GLENDAL	P	1913	HIST. SURV.	1209-0099-0007	01/01/93	7R	
087581		214 W CHESTNUT ST		GLENDAL	P	1913	HIST. SURV.	1209-0099-0008	01/01/93	7R	
087582		220 W CHESTNUT ST		GLENDAL	P	1913	HIST. SURV.	1209-0099-0009	01/01/93	7R	
066688		327 W CYPRESS ST		GLENDAL	U		PROJ. REVW.	HUD880520H	06/16/88	6Y	
087585		116 W ELK AVE	GRAF'S COURT	GLENDAL	U	1925	HIST. SURV.	1209-0102-0000	01/01/93	7R	
087586		215 W ELK AVE		GLENDAL	P	1912	HIST. SURV.	1209-0103-0000	01/01/93	7R	
119365		311 W GARFIELD AVE	SILVERCREST RESIDENCE	GLENDAL	P		HIST. RES.	DOE-19-95-0300-0000	08/14/95	6U	
							PROJ. REVW.	HUD950814I	08/14/95	6U	
149568		747 W KENNETH RD		GLENDAL	P	1946	HIST. SURV.	1209-0138-0389	09/30/04	6L	
149569		750 W KENNETH RD		GLENDAL	P	1937	HIST. SURV.	1209-0138-0390	09/30/04	5B	
149570		801 W KENNETH RD		GLENDAL	P	1931	HIST. SURV.	1209-0138-0391	09/30/04	6L	
149571		804 W KENNETH RD		GLENDAL	P	1928	HIST. SURV.	1209-0138-0392	09/30/04	5B	
149572		811 W KENNETH RD		GLENDAL	P	1933	HIST. SURV.	1209-0138-0393	09/30/04	6L	
149573		812 W KENNETH RD		GLENDAL	P	1925	HIST. SURV.	1209-0138-0394	09/30/04	5B	
149574		815 W KENNETH RD		GLENDAL	P	1930	HIST. SURV.	1209-0138-0395	09/30/04	6L	
149575		820 W KENNETH RD		GLENDAL	P	1933	HIST. SURV.	1209-0138-0396	09/30/04	6L	
149576		825 W KENNETH RD		GLENDAL	P	1934	HIST. SURV.	1209-0138-0397	09/30/04	6L	
149577		830 W KENNETH RD		GLENDAL	P	1926	HIST. SURV.	1209-0138-0398	09/30/04	6L	
149578		831 W KENNETH RD		GLENDAL	P	1924	HIST. SURV.	1209-0138-0399	09/30/04	6L	
149579		835 W KENNETH RD		GLENDAL	P	1921	HIST. SURV.	1209-0138-0400	09/30/04	62	
149580		840 W KENNETH RD		GLENDAL	P	1936	HIST. SURV.	1209-0138-0401	09/30/04	5B	
149581		845 W KENNETH RD		GLENDAL	P	1923	HIST. SURV.	1209-0138-0402	09/30/04	62	
149582		850 W KENNETH RD		GLENDAL	P	1939	HIST. SURV.	1209-0138-0403	09/30/04	6L	
149583		851 W KENNETH RD		GLENDAL	P	1950	HIST. SURV.	1209-0138-0404	09/30/04	6L	
149584		854 W KENNETH RD		GLENDAL	P	1931	HIST. SURV.	1209-0138-0405	09/30/04	6L	
149585		859 W KENNETH RD		GLENDAL	P	1922	HIST. SURV.	1209-0138-0406	09/30/04	6L	
149586		864 W KENNETH RD		GLENDAL	P	1941	HIST. SURV.	1209-0138-0407	09/30/04	6L	
149587		865 W KENNETH RD		GLENDAL	P	1940	HIST. SURV.	1209-0138-0408	09/30/04	6L	
149588		900 W KENNETH RD		GLENDAL	P	1939	HIST. SURV.	1209-0138-0409	09/30/04	6L	

149660	921 W MOUNTAIN ST	921 W MOUNTAIN ST	GLLENDALE	P	1940	HIST.SURV.	1209-0138-0471	09/30/04	6L
149661	929 W MOUNTAIN ST	929 W MOUNTAIN ST	GLLENDALE	P	1941	HIST.SURV.	1209-0138-0472	09/30/04	6L
149662	934 W MOUNTAIN ST	934 W MOUNTAIN ST	GLLENDALE	P	1941	HIST.SURV.	1209-0138-0473	09/30/04	6Z
149663	935 W MOUNTAIN ST	935 W MOUNTAIN ST	GLLENDALE	P	1949	HIST.SURV.	1209-0138-0474	09/30/04	6L
149664	939 W MOUNTAIN ST	939 W MOUNTAIN ST	GLLENDALE	P	1952	HIST.SURV.	1209-0138-0475	09/30/04	6L
149665	945 W MOUNTAIN ST	945 W MOUNTAIN ST	GLLENDALE	P	1948	HIST.SURV.	1209-0138-0476	09/30/04	6L
149666	1000 W MOUNTAIN ST	1000 W MOUNTAIN ST	GLLENDALE	P	1931	HIST.SURV.	1209-0138-0477	09/30/04	6L
149667	1001 W MOUNTAIN ST	1001 W MOUNTAIN ST	GLLENDALE	P	1945	HIST.SURV.	1209-0138-0478	09/30/04	6L
149668	1011 W MOUNTAIN ST	1011 W MOUNTAIN ST	GLLENDALE	P	1948	HIST.SURV.	1209-0138-0479	09/30/04	6L
149669	1014 W MOUNTAIN ST	1014 W MOUNTAIN ST	GLLENDALE	P	1938	HIST.SURV.	1209-0138-0480	09/30/04	5B
149670	1017 W MOUNTAIN ST	1017 W MOUNTAIN ST	GLLENDALE	P	1951	HIST.SURV.	1209-0138-0481	09/30/04	6L
149671	1021 W MOUNTAIN ST	1021 W MOUNTAIN ST	GLLENDALE	P	1941	HIST.SURV.	1209-0138-0482	09/30/04	6L
149672	1025 W MOUNTAIN ST	1025 W MOUNTAIN ST	GLLENDALE	P	1936	HIST.SURV.	1209-0138-0483	09/30/04	5B
149673	1039 W MOUNTAIN ST	1039 W MOUNTAIN ST	GLLENDALE	P	1925	HIST.SURV.	1209-0138-0484	09/30/04	6L
149674	1045 W MOUNTAIN ST	1045 W MOUNTAIN ST	GLLENDALE	P	1950	HIST.SURV.	1209-0138-0485	09/30/04	6L
149675	1051 W MOUNTAIN ST	1051 W MOUNTAIN ST	GLLENDALE	P	1932	HIST.SURV.	1209-0138-0486	09/30/04	6L
067446	125 W PALMER AVE	RRP REHABILITATION	GLLENDALE	U		PROJ.REVW.	HUD891026D	11/28/89	6Y
075437	215 W PALMER AVE		GLLENDALE	P	0	PROJ.REVW.	HUD900612A	07/13/90	6Y
066966	439 W RIVERDALE DR	RESIDENTIAL REHABILITATION	GLLENDALE	U	1940	PROJ.REVW.	HUD920227E	03/28/92	6Y
065383	475 W RIVERDALE DR		GLLENDALE	U		PROJ.REVW.	HUD891026C	11/28/89	6Y
033633	668 W SALEM ST		GLLENDALE	U		PROJ.REVW.	HUD870120B	02/10/87	6Y
087613	544 W VINE ST		GLLENDALE	U	1963	HIST.SURV.	1209-0079-0000	7R	
087614	210 W WINDSOR RD		GLLENDALE	P	1912	HIST.SURV.	1209-0116-0000	01/01/93	7R
080384	212 W WINDSOR RD		GLLENDALE	P	1925	HIST.SURV.	1209-0117-0000	01/01/93	7R
126219	3234 WASHINGTON PL	BRIDGE #53-1079S	GLLENDALE	U	1926	PROJ.REVW.	HUD930201F	02/16/93	6Y
	WESTERN AVE		GLLENDALE	M	1957	HIST.RES.	DOE-19-00-0332-0000	03/31/00	6Y
	WESTERN AVE	BRIDGE #53-1079R	GLLENDALE	M	1957	PROJ.REVW.	FHWA000323A	03/31/00	6Y
	WESTERN AVE		GLLENDALE	M	1957	HIST.RES.	DOE-19-00-0331-0000	03/31/00	6Y
	WESTERN AVE	BRIDGE #53-1079K	GLLENDALE	M	1957	PROJ.REVW.	FHWA000323A	03/31/00	6Y
	WESTERN AVE		GLLENDALE	M	1957	HIST.RES.	DOE-19-00-0329-0000	03/31/00	6Y
	WESTERN AVE	BR53-1079L	GLLENDALE	M	1957	PROJ.REVW.	FHWA000323A	03/31/00	6Y
	WESTERN AVE		GLLENDALE	M	1957	HIST.RES.	DOE-19-00-0330-0000	03/31/00	6Y
	WESTERN AVE		GLLENDALE	M	1957	PROJ.REVW.	FHWA000323A	03/31/00	6Y
073182	1224 WILSON TERRACE		GLLENDALE	P	1924	HIST.RES.	DOE-19-00-0303-0000	03/31/00	6Y
115146	1509 WILSON TERRACE	COMMUNITY SERVICES CENTER, GLENDAL	GLLENDALE	U	1939	PROJ.REVW.	HUD910912N	03/31/00	6Y
126190	509 WINCHESTER AVE		GLLENDALE	P	1928	HIST.RES.	DOE-19-00-0302-0000	04/14/98	6Y
033629	WINDSOR RD	GLENDALE WINDSOR CLUB	GLLENDALE	M	1987	HIST.SURV.	FHWA000323A	03/31/00	6Y
116106	EAST FORK TRAIL TO THE BRIDGE TO N		GLENDORA	PF		CHRIS	19-150367	04/23/97	7
116102	ALLISON GULCH SPILLWAY, FS #05-01-		GLENDORA	P	1937	HIST.RES.	DOE-19-99-0293-0000	08/20/99	6Y
116104	JACKS PLACE (FS #05-01 52-68)		GLENDORA	F		PROJ.REVW.	USFS990802A	08/20/99	6Y
116103	CABIN		GLENDORA	F		CHRIS	19-150326	04/23/97	7
034704	GLENDORA BOUGAINVILLEA		GLENDORA	F	1930	CHRIS	19-150328	04/23/97	7
034705	1769 DEERVIEW ST		GLENDORA	P	1925	HIST.SURV.	1740-0001-0000	01/01/79	7L
034712	124 E ADA AVE		GLENDORA	P	1920	HIST.SURV.	1740-0002-0000	01/01/79	7L
			GLENDORA	P	1920	HIST.SURV.	1740-0009-0000	02/07/78	1S
			GLENDORA	P	1920	HIST.SURV.	1740-0011-0000	02/07/78	1S
			GLENDORA	P	1920	HIST.SURV.	1740-0012-0000	01/01/78	7L
			GLENDORA	P	1920	HIST.SURV.	1740-0013-0000	10/14/77	ICL
			GLENDORA	P	1920	HIST.SURV.	1740-0014-0000	05/01/86	7R
			GLENDORA	P	1920	HIST.SURV.	1740-0015-0000	06/03/86	6Y

D = Special District
 S = State
 U = Unknown

National Register State
 Sec Pres
 PP

OFFICE OF HISTORIC PRESERVATION * * * * * Directory of Properties in the Historic Property Data File for LOS ANGELES County. Page 130 09-04-96
 STREET ADDRESS * * * * * NAMES * * * * * CITY NAME * * * * * QM# R-C C #PR 01REG CHL# PROP.# OHP-PROG... PRG-REFERENCE-NUMBER STAT-DAT HRS CRIT

LOS ANGELES P 1923 B
 LOS ANGELES P 1906 B
 LOS ANGELES P 1916 B
 LOS ANGELES P 1905 B

023565 HIST.SURV. 0053-1019-0000
 023566 HIST.SURV. 0053-1020-0000
 023567 HIST.SURV. 0053-1021-0000
 023568 HIST.SURV. 0053-1022-0000

55
 6
 55
 6

JOHN H JOHNSON

327 5TH AVE
 365 5TH AVE
 709 5TH AVE
 715 5TH AVE

"#PR" # of properties
 Contributing to this
 resource

"C" : Type of property

- D = District
- B = Building
- C = Site
- S = Structure
- O = Object

"01REG" : codes of legal
 designations other than
 National Register of Historic Preservation

- H : HABS / HAERS Record
- N : NATIONAL Historic Landmark
- S : State Historic Landmark
- C : CA Pt. of Hist. Interest
- P : State or Local Park
- L : Locally designated
- O : Other type of Registration

Old NR Status Code	DESCRIPTION of former NR Status Codes	NEW CHR STATUS CODE
1	Property is listed on the Nat. Register.	1S OR 1D
1B	Listed in NR as an individual property and as a Contributor.	1S OR 1D
1D	Listed in NR as a Contributor to a district or multi. resource property.	1D
1S	Listed in NR as an individual property.	1S
2	Determined elig. for Nat. Register in a formal process.	2S, 2D, 2B
2B	Deter. elig. for NR as separate and as a contributor.	2B
2B1	Determined elig. by the Keeper for separate and as a contributor.	2B
2B2	Det. elig. by Keeper as separate & as a contributor by consensus.	2B
2B3	Det. elig. as separate by consensus and as contributor by Keeper.	2B
2B4	Determined elig. by consensus as separate and as a contributor.	2B
2D	Determined elig. for Nat. Reg. as a contributor to a district.	2D
2D1	Determined elig. for listing as a contributor by the Keeper.	2D
2D2	Determined elig. for listing as a contributor by consensus det.	2D
2D3	Det. elig. for NR list as a contrib. by other than cons. det. or keeper.	2D
2D4	Det. elig. for NR as a contrib. by MOA Participant w/o review by OHP	2D
2S	Determined elig. for Nat. Reg. as separate listing.	2S
2S1	Determined elig. for separate listing by the Keeper.	2S
2S2	Det. elig. for separate listing by a consensus determination.	2S
2S3	Det. elig. for NR list as individ. by other than cons. det. or keeper.	2S
2S4	Det. elig. for separate listing by MOA Participant without review by OHP	2S
3	Appears elig. for NR to person completing or reviewing form.	3S, 3D, 3B
3B	Appears elig. as sep. and as contributor to a documented district.	3B
3D	Appears elig. as contributor to a fully documented district.	3D
3S	Appears eligible for listing in NR as a separate property.	3S
4	Might become eligible for listing on the Nat. Register.	7N
4B	May become elig. for NR as separate and as a contributor.	7N
4B1	May become elig. for NR under 4S1 and 4D1-4D8 or 4M1-4M8.	7N
4B2	May become elig. for NR under 4S2 and 4D1-4D8 or 4M1-4M8.	7N
4B3	May become elig. for NR under 4S3 and 4D1-4D8 or 4M1-4M8.	7N
4B4	May become elig. for NR under 4S4 and 4D1-4D8 or 4M1-4M8.	7N
4B5	May become elig. for NR under 4S5 and 4D1-4D8 or 4M1-4M8.	7N
4B6	May become elig. for NR under 4S6 and 4D1-4D8 or 4M1-4M8.	7N
4B7	May become elig. for NR under 4S7 and 4D1-4D8 or 4M1-4M8.	7N
4B8	May become elig. for NR under 4S8 and 4D1-4D8 or 4M1-4M8.	7N
4D	May become elig. for NR as a contributing property.	7N
4D1	May become elig. for NR as contrib. when Dist. becomes old enough.	7N
4D2	May become elig. for NR as contributor with more research on Dist.	7N1
4D3	May become elig. for NR as contrib. if context info. is expanded.	7N1
4D4	May become elig. for NR as contrib. if approp. prop. type defined.	7N1
4D5	May become elig. for NR as contrib. when prop. types are clarified.	7N1
4D6	May become elig. NR as contrib. if Dist. is eval. in diff. context.	7N1
4D7	May become elig. for NR as contrib. if integrity of Dist. is restored.	7N1
4D8	May become elig. for NR as contrib. when other like Dist. are lost.	7N1
4M	May become elig. for NR as a contributor.	7N
4M1	May become elig. NR as contrib. if restored and Dist. becomes old enough.	7N1

Old NR Status Code	DESCRIPTION of former NR Status Codes	NEW CHR STATUS CODE
4M2	May become elig. for NR as contrib. if restrd & more research on Dist.	7N1
4M3	May become elig. for NR as contrib. if restrd & context is expanded.	7N1
4M4	May become elig. NR as contrib. if restrd & approp. prop. type is defined.	7N1
4M5	May become elig. NR as contrib. if restrd & prop. types are clarified.	7N1
4M6	May become elig. NR as contrib. if rstrd & Dist. eval. in diff. context.	7N1
4M7	May become elig. NR as contrib. if rstrd & integ.of Dist. is rstrd.	7N1
4M8	May become elig. NR as contrib. if rstrd & oth like Dist. are lost.	7N
4R	May become a contributor to a listed/elig./appears. elig. dist.	7N
4S	May become elig. for NR as a separate property.	7N
4S1	May become elig. for NR as separate when it becomes old enough.	7N1
4S2	May become elig. for NR as separate with more research.	7N1
4S3	May become elig. for NR as separate if context info. is expanded.	7N1
4S4	May become elig. for NR as sep. if more approp. prop. type is def.	7N1
4S5	May become elig. for NR as sep. when regis.requirements are clarified.	7N1
4S6	May become elig. for NR as separate when eval. in another context.	7N1
4S7	May become elig. for NR as sep. when its integrity is restored.	7N1
4S8	May become elig. for NR as sep. when other like prop. are lost.	7N
4X	May become elig. for NR as contrib. to District that has not been doc.	7N
5	Ineligible for the NR but still of local interest.	5D1, 5D2, 5S, 5S2
5B	Elig. for Loc List only - Both as separate property and as contrib.	5B
5B1	Eligible for Local Listing only - Both 5S1 and 5D1.	5B
5B2	Eligible for Local Listing only - Both 5S2 and 5D2.	5B
5B3	Not Elig. Loc List but for spec. consid. in Loc Plan - Both 5S3 and 5D3.	6L
5B4	Elig. for Loc List only - Both 5S1 and 5D2.	5B
5B5	Elig. for Loc List only - Both 5S1 and 5D3.	6L
5B6	Elig. for Loc List only - Both 5S2 and 5D1.	5B
5B7	Elig. for Loc List only - Both 5S2 and 5D2.	5B
5B8	Elig. for Loc List only - Both 5S3 and 5D1.	5B
5B9	Elig. for Loc List only - Both 5S3 and 5D2.	5B
5D	Elig. for Local Listing as contributor only.	5D2
5D1	Elig. for Local Listing only-contributor to District listed or eligible under Local Ordinance	5D1
5D2	Elig. for Local Listing only-contributor to District listed or eligible under possible Local Ordinance	5D2
5D3	Not Elig. for Local Listing-contributor to District eligible for special consideration in Local Planning	6L
5N	Not Elig. for anything but Needs special consid. for other reasons.	6L
5S	Eligible for Local Listing only.	5S2
5S1	Elig for Local Listing only-listed or elig separately under Local Ordinance	5S1
5S2	Eligible for Local Listing only-likely to become eligible under Local Ordinance	5S2
5S3	Not Elig for Local Listing-is elig for special consid in Local Planning	6L
5X	Unknown	not used
6	Det. inelig. for National Register listing.	6T, 6U, 6X, 6Y, or 6Z
6CW	Removed from the Cal. Register by the SHRC	6C

Old NR Status Code	DESCRIPTION of former NR Status Codes	NEW CHR STATUS CODE
6CX	Determined ineligible for listing in the Cal. Register by the SHRC	6C
6U	Determined inelig. for NR by MOA Participant without review by SHPO	6U
6U1	Determined inelig. for NR pursuant to a PA.	6U
6U2	Det. inelig. for NR pursuant to Part 800 without review by SHPO.	6U
6W	Removed from Nat. Reg. by Keeper.	6W
6W1	Removed from Nat. Reg. by Keeper - Listed Property destroyed.	6W
6W2	Removed from NR by Keeper - Property still extant - not re-evaluated.	6W
6W3	Dist. Rmvd from NR by Kpr - Prop. extant - Appears individually elig.	6W
6X	Determined inelig. for NR by Keeper.	6X
6X1	Det. inelig. for NR by Keeper with no potential for any listing.	6X
6X2	Det. inelig. NR by Keeper, no potential for NR, n/eval for Loc List.	6X
6X3	Det. inelig. NR by Kpr, n/eval potential NR, n/eval Loc List.	6X
6Y	Det. inelig. for NR by consensus.	6Y
6Y1	Det. inelig. for NR by consensus with no potential for any listing.	6Y
6Y2	Det. Inelig. NR by consensus, no potential NR, n/eval for Loc List.	6Y
6Y3	Det. inelig. NR by consen., n/eval potential NR, n/eval Loc List.	6Y
6Y4	Det. inelig. NR/consensus, appears elig. for Loc. List or may become elig. for NR	6Y
6Z	Found inelig. for NR.	6Z, 6U, 6X, 6Y, or 6Z
6Z1	Found inelig. for NR with no potential for any listing.	6T, 6U, 6X, 6Y, or 6Z
6Z2	Found inelig. for NR, no potential for NR, n/eval for Loc List.	6T, 6U, 6X, 6Y, or 6Z
6Z3	Found.inelig. NR, n/eval for potential for NR, n/eval for Loc Lst.	6T, 6U, 6X, 6Y, or 6Z
7	Not evaluated.	7W, 7R, or possible 6s
7C	SUBMITTED TO AN INFORMATION CENTER - NOT EVALUATED	removed
7CD1	Contributor to a district listed in the Cal. Register by the SHRC	1CD
7CD2	Contributor to a district det elig for listing in the Cal Reg by the SHRC	2CD
7CRD	CR district contributor automatically by being NR-listed, det. elig. for NR, SHL > 770, or SPHI after 1/1/1998	1CL, 2B, 2S, or 2D
7CRS	CR Individual property listed automatically by being NR-listed, det. elig. for NR, SHL > 770, or SPHI after 1/1/1998	1CL, 2B, 2S, or 2D
7CS1	Individual property listed in the Cal Register by the SHRC	1CS
7CS2	Individual property det elig for listing in the Cal Register by the SHRC	2CS
7J	Received by OHP for evaluation or action but not yet evaluated.	7J, 7K, 7W
7K	Resubmitted to OHP for action but not reevaluated.	7K
7L	Evaluated for a Register other than the National Register.	7L, 1CL
7M	Submitted to OHP for eval. but not evaluated - referred to NPS.	7M
7R	Submitted as Part of a Recon Level Survey: NOT EVALUATED!	7R
None	Property without evaluation status (Mistakes)	evaluate

California Historical Resource Status Codes

1 Properties listed in the National Register (NR) or the California Register (CR)

- 1D Contributor to a district or multiple resource property listed in NR by the Keeper. Listed in the CR.
- 1S Individual property listed in NR by the Keeper. Listed in the CR.

- 1CD Listed in the CR as a contributor to a district or multiple resource property by the SHRC
- 1CS Listed in the CR as individual property by the SHRC.
- 1CL Automatically listed in the California Register – Includes State Historical Landmarks 770 and above and Points of Historical Interest nominated after December 1997 and recommended for listing by the SHRC.

2 Properties determined eligible for listing in the National Register (NR) or the California Register (CR)

- 2B Determined eligible for NR as an individual property and as a contributor to an eligible district in a federal regulatory process. Listed in the CR.
- 2D Contributor to a district determined eligible for NR by the Keeper. Listed in the CR.
- 2D2 Contributor to a district determined eligible for NR by consensus through Section 106 process. Listed in the CR.
- 2D3 Contributor to a district determined eligible for NR by Part I Tax Certification. Listed in the CR.
- 2D4 Contributor to a district determined eligible for NR pursuant to Section 106 without review by SHPO. Listed in the CR.
- 2S Individual property determined eligible for NR by the Keeper. Listed in the CR.
- 2S2 Individual property determined eligible for NR by a consensus through Section 106 process. Listed in the CR.
- 2S3 Individual property determined eligible for NR by Part I Tax Certification. Listed in the CR.
- 2S4 Individual property determined eligible for NR pursuant to Section 106 without review by SHPO. Listed in the CR.

- 2CB Determined eligible for CR as an individual property and as a contributor to an eligible district by the SHRC.
- 2CD Contributor to a district determined eligible for listing in the CR by the SHRC.
- 2CS Individual property determined eligible for listing in the CR by the SHRC.

3 Appears eligible for National Register (NR) or California Register (CR) through Survey Evaluation

- 3B Appears eligible for NR both individually and as a contributor to a NR eligible district through survey evaluation.
- 3D Appears eligible for NR as a contributor to a NR eligible district through survey evaluation.
- 3S Appears eligible for NR as an individual property through survey evaluation.

- 3CB Appears eligible for CR both individually and as a contributor to a CR eligible district through a survey evaluation.
- 3CD Appears eligible for CR as a contributor to a CR eligible district through a survey evaluation.
- 3CS Appears eligible for CR as an individual property through survey evaluation.

4 Appears eligible for National Register (NR) or California Register (CR) through other evaluation

- 4CM Master List - State Owned Properties – PRC §5024.

5 Properties Recognized as Historically Significant by Local Government

- 5D1 Contributor to a district that is listed or designated locally.
- 5D2 Contributor to a district that is eligible for local listing or designation.
- 5D3 Appears to be a contributor to a district that appears eligible for local listing or designation through survey evaluation.

- 5S1 Individual property that is listed or designated locally.
- 5S2 Individual property that is eligible for local listing or designation.
- 5S3 Appears to be individually eligible for local listing or designation through survey evaluation.

- 5B Locally significant both individually (listed, eligible, or appears eligible) and as a contributor to a district that is locally listed, designated, determined eligible or appears eligible through survey evaluation.

6 Not Eligible for Listing or Designation as specified

- 6C Determined ineligible for or removed from California Register by SHRC.
- 6J Landmarks or Points of Interest found ineligible for designation by SHRC.
- 6L Determined ineligible for local listing or designation through local government review process; may warrant special consideration in local planning.
- 6T Determined ineligible for NR through Part I Tax Certification process.
- 6U Determined ineligible for NR pursuant to Section 106 without review by SHPO.
- 6W Removed from NR by the Keeper.
- 6X Determined ineligible for the NR by SHRC or Keeper.
- 6Y Determined ineligible for NR by consensus through Section 106 process – Not evaluated for CR or Local Listing.
- 6Z Found ineligible for NR, CR or Local designation through survey evaluation.

7 Not Evaluated for National Register (NR) or California Register (CR) or Needs Reevaluation

- 7J Received by OHP for evaluation or action but not yet evaluated.
- 7K Resubmitted to OHP for action but not reevaluated.
- 7L State Historical Landmarks 1-769 and Points of Historical Interest designated prior to January 1998 – Needs to be reevaluated using current standards.
- 7M Submitted to OHP but not evaluated - referred to NPS.
- 7N Needs to be reevaluated (Formerly NR Status Code 4)
- 7N1 Needs to be reevaluated (Formerly NR SC4) – may become eligible for NR w/restoration or when meets other specific conditions.
- 7R Identified in Reconnaissance Level Survey: Not evaluated.
- 7W Submitted to OHP for action – withdrawn.

South Central Coastal Information Center
California Historical Resources Information System
Department of Anthropology
California State University, Fullerton
800 North State College Boulevard
Fullerton, CA 92834-6846
714-278-5395 / FAX 714-278-5542 / scic@fullerton.edu

Ventura
Los Angeles
Orange

LIST FOR HISTORICAL RESOURCES CONSULTANTS

This is a partial, alphabetically ordered, list of individuals, firms and institutions which meet minimum qualifications to perform identification, evaluation, registration, and treatment activities within the profession under which they are listed in compliance with federal and state environmental laws. It is composed of all individuals who have requested listing by this Information Center and who have satisfactorily documented that they *meet* the *Secretary of the Interior's Standards (SIS)* for that profession. Inclusion on this list is determined solely on this evaluation and not on a review of current work.

The Information Center provides a copy of this list without charge when field inspection is recommended or upon request.

This list has been prepared in accordance with guidelines stipulated by the State. Inclusion on this list does not constitute endorsement or recommendation by the State or this Information Center.

Questions regarding this List may be directed to Eric Allison, Coordinator of the California Historical Resources Information System, Office of Historic Preservation, at (916) 653-7278.

ARCHAEOLOGY

Applied EarthWorks, Inc.

Melinda C. Horne, Susan K. Goldberg, M. Colleen Hamilton, Nina M. Harris, Kholood M. Abdo-Hintzman, and Marilyn J. Wyss
3292 E. Florida Avenue, Suite A, Hemet, CA 92544-4941
(909) 766-2000 / FAX (909) 766-0020

Archaeological Advisory Group

James Brock
P.O. Box 491, Pioneertown, CA 92268-0491
(760) 228-1142 / FAX (760) 369-4002

Archaeological Associates

David M. Van Horn and Laura S. White
P.O. Box 180, Sun City, CA 92586
(909) 244-1783 / FAX (909) 244-0084

Archaeological Consulting Services (ACS)

John Stephen Alexandrowicz
P.O. Box 39, 13826 Pollard Drive, Lytle Creek, CA 92358
(909) 887-0795 / Alexarcheo@aol.com

**California State University, Sonoma
Anthropological Studies Center**

Adrian Praetzellis, Mary Praetzellis, Psota Sunshine, Suzanne Stewart, Erica Gibson,
Grace Ziesing, Jack Meyer, and Mike Meyer
Building 29, 1801 East Cotati Ave, Building 29, Rohnert Park, CA 94928-3609
(707) 664-2381 / FAX (707) 664-4155 / www.sonoma.edu/projects/asc
asc@sonoma.edu

**California State University, Stanislaus
Institute For Archaeological Research**

L. Kyle Napton
801 W. Monte Vista Avenue, Turlock, CA 95382
(209) 667-3060 / FAX (209) 667-3324 / lnapton@toto.csustan.edu

Cogstone Resource Management, Inc.

1801 E. Parkcourt Place, B102
Santa Ana, CA 92701
(714) 245-0264 or (888) 497-07000 / FAX (714) 245-0054 / www.cogstone.com
admin@cogstone.com

Compass Rose Archaeological, Inc.

John F. Romani
6206 Peach Avenue, Van Nuys, CA 91411
(818) 989-0656 / jrcompass@earthlink.net

CRM Tech

Michael Hogan
4472 Orange Street, Riverside, CA 92501
(909) 784-3051 / FAX (909) 784-2987

Dillon, Brian D.

16007 Lemarsh Street, North Hills, CA 91343
(818) 893-3468

Discovery Works, Inc.

Beth Padon and Amy Commendador-Dudgeon
235 East Broadway, Suite 980, Long Beach, CA 90802
(562) 432-1801 / FAX (562) 432-1811 / bpadon@discoveryworks.com

ECORP Consulting, Inc.

Roger D. Mason
412 E. State Street, Redlands, CA 92373
(909) 307-0046 / FAX (909) 307-0056 / www.ecorpeconsulting.com

Mitchell R. Childress

2100 Embarcadero St., Suite 105, Oakland, CA 94606
(510) 434-0151 / Fax (510) 434-0155 / mchildress@ecorpeconsulting.com

Intermountain Research

Kathryn Ann Attaman, Daniel P. Dugas, Robert G. Elston, and David W. Zeanah,
P.O. Drawer A, Silver City, Nevada 89428

King, Chester

P.O. Box 826, Topanga, CA 90290
(310) 455-2981

Lewis, Brandon

1232 18th St., #C, Santa Monica, CA 90404
(310) 453-0678

LSA Associates, Inc.

Ivan H. Strudwick and Deborah McLean
20 Executive Park, Suite 200 Irvine, CA 92614
(949) 553-0666 / www.lsa-assoc.com

Brunzell, David

1650 Spruce Street, 5th Floor, Riverside, CA 92507
(951) 781-9310 / FAX (951) 453-8774 / dave.brunzell@lsa-assoc.com / www.lsa-assoc.com

Randy Groza, John Kelley, George McKale, and Andrew Pulcheon

157 Park Place, Point Richmond, CA 94801
(510) 236-6810 / FAX (510) 236-3480
andrew.pulcheon@lsa-assoc.com, randy.groza@lsa-assoc.com, george.mckale@lsa-assoc.com,
john.kelley@lsa-assoc.com, www.lsa-assoc.com

MACTEC Engineering and Consulting, Inc.

Charles D. Zeier and Vickie L. Clay
1572 East College Parkway, Suite 162, Carson City, Nevada 89706
(775) 888-9992 / FAX (775) 888-9994 / cdzeier@mactec.com or vlclay@mactec.com

McKenna et al.

Jeanette A. McKenna
6008 Friends Avenue, Whittier, CA 90601
(562) 696-3852

NCR Consulting

Raymond Benson
22242 Knolls Drive, Grass Valley, CA 95949
(530) 268-7345 rbenson@lanset.com

SWCA

Joan C. Brown and Nancy E. Sikes
23392 Madero Suite L, Mission Viejo, CA 92691
(949) 770-8042

Scientific Resource Surveys, Inc. (SRS)

Nancy Anastacia Wiley
2324 North Batavia Street, Suite 109, Orange CA 92865
(714)685-0204, (949)650-7728. FAX (714)685-0082, (949)650-7728/
awiley@ScientificResourceSurveys.com

Shepard Consulting Services

Richard Shepard
12110 Slauson Avenue, Suite 9, Santa Fe Springs, CA 90670

Solano Archaeological Services

Jason Coleman
104 Sunset Avenue, Suite E #120
Suisun City, CA 94585-2064
(707) 718-1416 / FAX (707) 422-7158
admin@solanoarchaeology.com / www.solanoarchaeology.com

Solis, Laurie

26770 N. Claudette St., Unit 407, Canyon Country, CA 91351
(661) 251-5856 / sladelsol@aol.com

Statistical Research, Inc. (SRI)

Donn R.Grenda and John G. Douglass
P.O. Box 390
21 West Stuart Avenue, Redlands, CA 92374
(909) 335-1896 / FAX (909) 335-0808 / www.sricrm.com

Stantec

Gavin Archer
19 Technology Drive, Irvine, CA 92618-2334
(949) 923-6151 / Fax (949) 923-6114 / garcher@stantec.com

Summit Environmental Solutions

813 North Plaza Street, Carson City, NV 89701
(775) 888-8889 / FAX (775) 888-8899

Swope, Karen K.

P.O. Box 10451, San Bernardino, CA 92423-0451

William D. Self Associates, Inc.

William D. Self and James M. Allan
Corporate Office

P.O. Box 2192, Orinda, CA 94563
(925) 253-9070 / FAX (925) 254-3553

wself@williamself.com / jallan@williamself.com / www.williamself.com

P.O. Box 2706

Santa Rosa, CA 95405

(707) 251-8310 / FAX (925) 254-3553

344 F Street, Suite 100, Chula Vista, CA 91910

(925) 253-9070 / FAX (619) 425-1357

Windmiller, Ric

9145 Elk Grove Blvd., Elk Grove, CA 95624

(916) 685-9205 / FAX (916) 685-2342

ARCHITECTURAL HISTORY

Applied EarthWorks, Inc.

M. Colleen Hamilton and David Livingston

3292 E. Florida Avenue, Suite A, Hemet, CA 92544-4941

(909) 766-2000 / FAX (909) 766-0020

Archaeological Advisory Group

Christine L. di Iorio

P.O. Box 491, Pioneertown, CA 92268-0491

(760) 228-1142 / FAX (760) 369-4002

Archaeological Associates

David M. Van Horn

P.O. Box 180, Sun City, CA 92586

(909) 244-1783 / FAX (909) 244-0084

Archaeological Consulting Services (ACS)

John Stephen Alexandrowicz

P.O. Box 39, 13826 Pollard Drive, Lytle Creek, CA 92358

(909) 887-0795 / Alexarcho@aol.com

Architectural Resources Group

Bruce Judd and Bridget Maley

Pier 9, The Embarcadero, San Francisco, CA 94111

(415) 421-1680 / FAX (415) 421-0127 / bridget@argsf.com / www.argsf.com

Judith Marvin
P.O. Box 2040, Murphys, CA 95247
(209) 728-1408 / FAX (209) 728-8542 / judithmarvin@goldrush.com

Galvin Preservation Associates Inc.

Andrea Galvin and Christeen Taniguchi
1611 S. Pacific Coast Hwy., Suite 104
Redondo Beach, CA 90277
(310) 792-2690 / FAX (310) 792-2696 / andrea@galvinpreservation.com /
christen@galvinpreservation.com

Greenwood and Associates

Roberta Greenwood and Dana N. Slawson
725 Jacon Way, Pacific Palisades, CA 90272
(310) 454-3091 / rsgreenwoo@aol.com

Hardline Design Company

Mary E. Crowe and Roy A. Hampton III
4608 Indianola Avenue, Columbus, Ohio, 43214

Historic Resources Group (HRG)

Christy J. McAvoy, Jennifer Minasian, Christopher Hetzel, and Erica Glanz
1728 Whitley Avenue, Hollywood, CA 90028
(323) 469-2349 / FAX (323) 469-0491 / www.HistoricLA.com

Interdisciplinary Research, Inc.

Nicholas M. Magalousis,
P.O. Box 102, Laguna Beach, CA 92652
(949) 716-4430

Leslie Heumann & Associates

Leslie Heumann
600 N. Sierra Bonita Ave, Los Angeles, CA 90036
(323) 651-0399 / FAX (323) 651-4814 / lheumann@pacbell.net

MACTEC Engineering and Consulting, Inc.

John W. Snyder
1572 East College Parkway, Suite 162
Carson City, Nevada 89706
(775) 888-9992 FAX (775) 888-9994

McKenna et al.

Jeanette A. McKenna
6008 Friends Avenue, Whittier, CA 90601
(562) 696-3852

Applied EarthWorks, Inc.

David Earle, Kevin Hallaran, M. Colleen Hamilton and David Livingston
3292 E. Florida Avenue, Suite A, Hemet, CA 92544-4941
(909) 766-2000 / FAX (909) 766-0020

Archaeological Advisory Group

Christine L. di Iorio
P.O. Box 491, Pioneertown, CA 92268-0491
(760) 228-1142 / FAX (760) 369-4002

Archaeological Consulting Services (ACS)

John Stephen Alexandrowicz
P.O. Box 39, 13826 Pollard Drive, Lytle Creek, CA 92358
(909) 887-0795 / Alexarcheo@aol.com

Architectural Resources Group

Bruce Judd, Bridget M. Maley and David P. Wessel
Pier 9, The Embarcadero, San Francisco, CA 94111
(415) 421-1680 / FAX (415) 421-0127 / bridget@argsf.com or david@argsf.com
www.argsf.com

Brian F. Smith and Associates

Larry J. Pierson and Brian F. Smith
14678 Ibex Court, San Diego, CA 92129
(858) 484-0915 / FAX (858) 486-4523

California State University, Sonoma

Anthropological Studies Center

Mary Praetzellis, Will Spires, Elaine-Maryse Solari,
Building 29, 1801 East Cotati Ave, Rohnert Park, CA 94928-3609
(707) 664-2381 / FAX (707)664-4155 / www.sonoma.edu/projects/asc/ /
asc@sonoma.edu

CRM Tech

Bai "Tom" Tang
4472 Orange Street, Riverside, CA 92501
(909) 784-3051 FAX (909) 784-2987

Discovery Works, Inc.

Beth Padon
235 East Broadway, Suite 980, Long Beach, CA 90802
(562) 432-1801 - FAX (562) 432-1811 - bpadon@discoveryworks.com

ECORP Consulting, Inc.

Brant Breehbiel
412 E. State Street, Redlands, CA 92373
(909) 307-0046 - FAX (909) 307-0056 - www.ecorpeconsulting.com

600 N. Sierra Bonita Ave, Los Angeles, CA 90036
(323) 651-0399 / FAX (323) 651-4814 / lheumann@pacbell.net

Lewis, Brandon

1232 18th St., #C, Santa Monica, CA 90404
(310) 453-0678

MACTEC Engineering and Consulting, Inc.

Ronald L. Reno
1572 East College Parkway, Suite 162, Carson City, Nevada 89706
(775) 888-9992 / FAX (775) 888-9994 / rlreno@mactec.com

McKenna et al.

Jeanette A. McKenna
6008 Friends Avenue, Whittier, CA 90601
(562) 696-3852

Myra L. Frank & Associates

Richard Starzak
811 W. 7th St. Suite 800, Los Angeles, CA 90017
(213) 627-5376 / myrafrank@compuserve.com

Past Forward, Inc.

Rebecca Allen and Scott R. Baxter
5248 Carriage Drive, Richmond, CA 94803
(510) 758-9715 phone & fax / rebecca@pastforwardinc.com ,
scott@pastforwardinc.com

Paul G. Chace & Associates

Paul G. Chace
1823 Kenora Drive, Escondido, CA 92027
(760) 743-5609 / pchace@sdcoe.k12.ca.us

Peak & Associates, Inc.

Melinda A. Peak
3941 Park Drive, Suite 20-329, El Dorado Hills, CA 95762
(916) 939-2405 / FAX (916) 939-2406 / peakinc@sbeglobal.net

Statistical Research, Inc. (SRI)

Anne Q. Stoll
P.O. Box 390
21 West Stuart Avenue, Redlands, CA 92374
(909) 335-1896 / FAX (909) 335-0808 / www.srierm.com

Summit Envirosolutions

Carol Lynn Furnis
813 N. Plaza St., Carson City, NV 89701

Martin Eli Weil – Restoration Architect

Martin Eli Weil

2175 Cambridge Street

Los Angeles, CA 90006

(323) 734-9734 · FAX (323) 734-7996

**OFFICE OF HISTORIC PRESERVATION
DEPARTMENT OF PARKS AND RECREATION**

P.O. BOX 942896
SACRAMENTO, CA 94296-0001
(916) 653-6624 Fax: (916) 653-9824
calshpo@ohp.parks.ca.gov
www.ohp.parks.ca.gov



March 22, 2007

In Reply Refer To: EPA070305A

Mr. Erik Krause
Senior Planner
Planning Department
City of Glendale
633 East Broadway, Room 103
Glendale, California 91206-4385

Re: Proposed Chromium 6 Demonstration Project at 800 Flower Street, Glendale, and 4401½ Goodwin Avenue, Los Angeles, Los Angeles County, California.

Dear Mr. Krause;

Thank you for seeking consultation with me, regarding the above noted undertaking, pursuant to 36 CFR Part 800 (as amended 8-05-04) regulations implementing Section 106 of the National Historic Preservation Act. Unfortunately, at this time, I cannot provide comments regarding your compliance with Section 106. Although you have identified this as an action subject to the authority of the United States Environmental Protection Agency (EPA), a consultation must be requested by the Lead Federal Agency, or by a state or local government entity that is authorized by the Lead Federal Agency to act on their behalf regarding Section 106. This is usually accomplished through either a programmatic agreement that allows state agencies (i.e., the State Water Resources Control Board and the State Department of Health Services) to act for the EPA for certain types of grants or permits, or through a letter from the EPA that authorizes a local agency or other entity to consult for the purposes of Section 106 for an individual grant or undertaking subject to EPA authority.

Please provide me with a letter from the EPA that authorizes the City of Glendale to act on their behalf regarding Section 106 consultation. In the interest of expediting future consultation for this undertaking, I will also at this time provide some general comments regarding your letter of March 1, 2007 and attachments:

- 1) The 30 day time limit for the SHPO to respond with comments does not begin with the date of your letter, but rather with the date that your letter is received at our office. If additional information is requested by the SHPO during this 30 day review period, the time limit is suspended until such time as the requested information is received by our office, at which time the 30 day review period begins anew.
- 2) Your efforts to identify historic properties do not include a records search with the appropriate Information Center of the California Historical Resources Information

System. Please have an historic properties record search completed by the South Central Coastal Information Center and the results submitted to my office. They can be contacted at:

Ms. Stacy St. James, Coordinator
South Central Coastal Information Center
California State University, Fullerton
Department of Anthropology
800 North State College Blvd.
P.O. Box 6846
Fullerton, CA 92834-6846
Phone: 714-278-5395
Fax: 714-278-5542
Email: sccic@fullerton.edu

3) Determinations of eligibility for the National Register of Historic Places should be made by persons who meet the Secretary of the Interior's Qualification Standards for Architectural History or Historic Architecture as regards historic buildings, structures and features, or for Archeology as regards the evaluation of archeological properties. Eligibility determinations by general planning personnel are usually not sufficient for the purpose of a Section 106 consultation.

I will be pleased to continue this consultation following your submittal of the above requested information and your clarification of the federal nexus for this undertaking. Thank you for seeking my comments and for considering historic properties in planning your project. If you require further information, please contact William Soule, Associate State Archeologist, at phone 916-654-4614 or email wsoule@parks.ca.gov.

Sincerely,

Susan K Stratton for

Milford Wayne Donaldson, FAIA
State Historic Preservation Officer



CITY OF GLENDALE, CALIFORNIA
Planning Division

633 East Broadway, Room 103
Glendale, California 91206-4385
(818) 548-2140 (818) 548-2144
(818) 548-2115 Fax (818) 240-0392
www.ci.glendale.ca.us

March 1, 2007

Mr. Milford Wayne Donaldson, FAIA
State Historic Preservation Officer
Office of Historic Preservation
State of California Department of Parks and Recreation
P.O. Box 942896
Sacramento, CA 94296-0001

**RE: Request for Consultation under Section 106 of the National Historic Preservation Act (NHPA) for the Proposed Chromium 6 Demonstration Project
800 Flower Street, Glendale and 4041 ½ Goodwin Avenue, Los Angeles**

Dear Mr. Donaldson:

I am writing to initiate consultation with the State Historic Preservation Officer (SHPO) under 36 CFR Part 800, for the above referenced project.

Project Description

The proposed project involves the installation of two separate chromium 6 demonstration facilities located in two separate locations within the same general vicinity. A detailed description of each site is provided below.

Well GS-3 Demonstration Site (Site 1)

This existing well site is located adjacent to Goodwin Street close to San Fernando Road in the City of Los Angeles and is one of the four Glendale South (GS) well sites constructed in the general area as part of the Glendale Operable Unit (GOU) facilities and part of a superfund site. The GS-3 well site currently consists of a below ground well extraction facility, two steel vessels that were installed around year 2003 as part of a volatile organic compound (VOC) removal project, electrical control panel, concrete containment area under the steel vessels, and underground piping. These facilities are constructed within a paved truck parking area that is part of Ralph's Grocery Company warehouse/distribution facility. The area is paved with asphalt concrete and is relatively flat. The existing well has a capacity of 433 gallons-per-minute (gpm) and produces water with a high concentration of chromium 6 at 35 parts-per-billion (ppb), thus making it an excellent site for construction of the demonstration facilities.

The plan is to implement a WBA exchange treatment system. The treatment process involves pumping water from the well, adding a small amount of acid to the water to adjust the pH of the water, sending the water through the steel vessels containing resin, and conveyance of the treated water to the Glendale Water Treatment Plant (GWTP) for VOC removal. The steel vessels will contain a patented "resin" (much like that found in the typical water softener system) that is

designed to remove the chromium 6 in the groundwater. To implement this plan, the only noticeable additions to the well site are (1) the installation of an acid storage tank with a capacity of 2,000 gallons or smaller, (2) a chemical injection system to inject the acid into the water, (3) minor above and below ground water piping, and (4) likely low voltage electrical systems to operate the chemical injection system. The acid storage tank will comply with all Fire Department regulations relative to storage and use including such items as double containment, separation from adjacent buildings, signage and personnel training.

The existing and proposed facilities are expected to be within an existing Glendale owned easement area and the current lease expires around year 2011. If necessary, Glendale would work with Ralph's to make minor enlargements to the easement area and extend the lease period beyond the year 2011 time frame. Also, the EPA could require continued operation of the GOU including well GS-3 to remove the VOCs, which will also require an extension of the easement time.

Glendale Water Treatment Plant Demonstration Site (Site 2)

The plan for this site is to install the reduction/coagulation/filtration (RCF) demonstration facility adjacent to the GWTP to remove chromium 6 from wells GN-2 and GN-3. The RCF facility would be located on the Field Operations Center for the Glendale Water and Power Department. These existing wells have high concentrations of chromium 6, which make them good candidates for treatment. Well GN-2 is located on the site of the DreamWorks Animation Studios at Flower Street and Grandview Avenue, and well GN-3 is located at Grandview Avenue and Grand Central Avenue on the site of Disney's Grand Central Creative Campus. Currently there are four GN wells in this general area, including GN-2 and GN-3, with a collection pipeline used to convey water from all four wells to the GWTP. Part of the proposed project is to construct a dedicated pipeline in Grandview Avenue, Grand Central Avenue and Flower Street to convey water from the two high chromium 6 wells GN-2 and GN-3 to the chromium 6 RCF treatment plant adjacent to the GWTP. This pipeline would be about 1,800 feet long and be up to 12-inches in diameter. Without the dedicated pipeline, Glendale would have to build a higher capacity chromium 6 treatment plant and would be required to remove the chromium 6 from the four "GN" wells at a much greater cost.

The GWTP fronts on Flower Street and the RCF facility would be adjacent to the GWTP. The area to be occupied by the RCF facilities is currently paved with asphalt concrete, used as a storage area, relatively flat, and in a industrial zoned area. The capacity of the treatment system would range from 100 gallons-per-minute (gpm) to 1,100 gpm depending on funding availability.

The RCF treatment process involves pumping water from existing Wells GN-2 and GN-3 through a dedicated pipeline from the two wells to the site of the RCF demonstration facilities. The RCF treatment process involves the addition of a non-hazardous chemical (ferrous sulfate) into the well water as part of the process to convert the chromium 6 in the water to chromium 3 (a non-hazardous form of chromium), a reduction tank for the chemical reaction to occur, aeration chamber to speed the reaction, and a filtration vessel to remove the particles. The particles formed will be disposed in a manner as required by law depending on its chemical composition. There will also be various other features like under-ground and above-ground piping, electrical control facilities, chemical feed pumps, electrical/mechanical equipment, water pumps, water storage tanks, filter belt press (or roll-off bin for solid waste), and chemical storage facilities typically found at water treatment plants. None of the chemicals used at the site are expected to be hazardous. The treated water from the demonstration facility will be delivered to the existing GWTP for further treatment before the water is delivered to the Glendale customers.

Although EPA is only funding a portion of the construction project, the enclosed Cultural Resources Investigation and Area of Potential Effect (APE) cover the entire project. While the California Department of Health Services (DHS) is contributing some funding to the project, EPA is the lead agency for the purposes of SHPO consultation.

Area of Potential Effect

Under Section 800.4(a)(1), the following is a determination of the Area of Potential Effect (APE). Because the demonstration sites will be located in two different locations, one in Glendale and the other in Los Angeles, there are two APEs. Location of each site is provided in the attached maps. The area of potential effect was determined by considering the impacts during construction as well as the footprint of the final facilities. Construction impacts include not only trenching and other ground disturbance activities, but also staging areas, and areas that will have surface impacts due to the movement of construction equipment.

The APE for Site 1 covers the location of the existing treatment systems and the adjacent building (constructed in 1965) and encompasses the impacted area for all of the alternatives being considered including the proposed alternative.

The APE for Site 2 covers the proposed location of the chromium treatment system (approximately 150 square feet), the area of the Glendale Water and Power Grayson Power Plant adjacent to the proposed project site as well as the public right-of-way located in Grandview Avenue, Grand Central Avenue and Flower Street for the installation of the dedicated pipeline.

Identification of Historic Properties

Under section 800.4(b), an effort has been made to identify historic properties. A description of the databases search and the results of each search are summarized in the sections that follow. No cultural resources were identified in either study area.

Office of Historic Preservation Database

A review of the Office of Historic Preservation Directory of Properties in the Historic Property Data File indicates that the subject site and properties within the APE have not been formally surveyed and none of the properties are listed at the national, state or local level. In addition, no new surveys have been conducted within the vicinity of the project area within the last five years.

National Register of Historic Places

Based on a review of the National Register of Historic Places (<http://www.nr.nps.gov>), in the City of Glendale, no historic site was found in the APE. In addition, to obtain background information on the APE and to identify any potential historic properties, a search of the California Historical Landmarks Listing: <http://ohp.parks.ca.gov> was also conducted.

Discovery of Historical or Prehistoric Artifacts during the Undertaking

The only excavation that would occur would be within the public right-of-way of existing roadways. No resources are likely to be uncovered; however, if in the course of the project archeological features, such as concentrations of artifacts or culturally modified soils deposits are discovered at any time during grading, scraping or excavation within the property, all work shall be halted in the vicinity of the find, EPA shall be notified, and a qualified archeologist shall be contacted immediately to make an evaluation. If warranted, the concentration of artifacts or soils deposits, further work in the discovery area shall be monitored by an archeologist.

If human remains are encountered during grading and construction, all work shall stop in the immediate vicinity of the discovered remains and EPA, the County Coroner and a qualified archeologist shall be notified immediately so that an evaluation can be performed. If the remains are deemed to be Native American and prehistoric, the Coroner shall contact the Native American Heritage Commission so that a “Most Likely Descendant” can be designated.

National Register Criteria and Eligibility Evaluation

To be eligible for the National Register of Historic Places, a property must meet certain criteria established by the National Parks Service, the keeper of the National Register.

The following is the criteria of the National Register (in **bold italics**) and the eligibility determination based on the National Register criteria for each of the proposed project sites located in the cities of Los Angeles and Glendale and the properties located within the Area of Potential Effect (APE) as shown in the attached APE map.

The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and:

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or

Site 1: The subject site and buildings within the APE were evaluated consistent with National Register Bulletin #15 [How to Apply the National Register Criteria for Evaluation](#) and National Register Bulletin #39 [Researching a Historic Property](#) to determine its eligibility under Criteria A. Based on a search of available information including building permits, community histories, newspapers, City directories, and the City of Los Angeles main library, none of the buildings are associated with any event(s) that has contributed to the patterns of history and therefore, do not appear eligible for the national register under Criteria A.

Site 2: The subject site and buildings within the APE were evaluated consistent with National Register Bulletin #15 [How to Apply the National Register Criteria for Evaluation](#) and National Register Bulletin #39 [Researching a Historic Property](#) to determine its eligibility under Criteria A. Based on a search of available information including building permits, community histories, newspapers, City directories, and the City of Glendale main library Special Collections, none of the buildings are associated with any event(s) that has contributed to the patterns of history and therefore, do not appear eligible for the national register under Criteria A.

B. That are associated with the lives of significant persons in our past; or

Site 1: The subject site and buildings within the APE were evaluated consistent with National Register Bulletin #15 [How to Apply the National Register Criteria for Evaluation](#) and National Register Bulletin #39 [Researching a Historic Property](#) to determine its eligibility under Criteria B. Based on a search of available information including building permits, community histories, newspapers, City directories, and the City of Los Angeles main library, none of the buildings are associated with any event(s) that has contributed to the patterns of history and therefore, do not appear eligible for the national register under Criteria B.

Site 2: The subject site and buildings within the APE were evaluated consistent with National Register Bulletin #15 [How to Apply the National Register Criteria for Evaluation](#) and National Register Bulletin #39 [Researching a Historic Property](#) to determine its eligibility under Criteria B. Based on a search of available information including building permits, community histories, newspapers, City directories, and the City of Glendale main library Special Collections, none of the buildings are associated with any event(s) that has contributed to the patterns of history and therefore, do not appear eligible for the national register under Criteria B.

C. *That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or*

Site 1: The subject site and buildings within the APE were evaluated consistent with National Register Bulletin #15 [How to Apply the National Register Criteria for Evaluation](#) and National Register Bulletin #39 [Researching a Historic Property](#) to determine its eligibility under Criteria C. Based on a search of available information including building permits, community histories, newspapers, City directories, and the City of Los Angeles main library, none of the buildings are associated with any event(s) that has contributed to the patterns of history and therefore, do not appear eligible for the national register under Criteria C.

Site 2: The subject site and buildings within the APE were evaluated consistent with National Register Bulletin #15 [How to Apply the National Register Criteria for Evaluation](#) and National Register Bulletin #39 [Researching a Historic Property](#) to determine its eligibility under Criteria C. Based on a search of available information including building permits, community histories, newspapers, City directories, and the City of Glendale main library Special Collections, none of the buildings are associated with any event(s) that has contributed to the patterns of history and therefore, do not appear eligible for the national register under Criteria C.

D. *That has yielded or may be likely to yield, information important in history or prehistory.*

Site 1: The subject site and buildings within the APE were evaluated consistent with National Register Bulletin #15 [How to Apply the National Register Criteria for Evaluation](#) and National Register Bulletin #39 [Researching a Historic Property](#) to determine its eligibility under Criteria D. Based on a search of available information including building permits, community histories, newspapers, City directories, and the City of Los Angeles main library, none of the buildings are associated with any event(s) that has contributed to the patterns of history and therefore, do not appear eligible for the national register under Criteria D.

Site 2: The subject site and buildings within the APE were evaluated consistent with National Register Bulletin #15 [How to Apply the National Register Criteria for Evaluation](#) and National Register Bulletin #39 [Researching a Historic Property](#) to determine its eligibility under Criteria D. Based on a search of available information including building permits, community histories, newspapers, City directories, and the City of Glendale main library Special Collections, none of the buildings are associated with any event(s) that has contributed to the patterns of history and therefore, do not appear eligible for the national register under

Criteria D. Furthermore, the areas that would require excavation are located within the public right-of-way of existing streets.

Evaluation of Historic Significance

Under section 800.4(c), I have applied the National Register criteria and have determined that neither site or adjacent properties in the APE appear the subject site/improvements or adjacent structures are eligible for inclusion in the National Register as they were not associated with events that have made a significant contribution to the broad patterns of our History (Criterion A); were not associated with the lives of persons significant in our past (Criterion B); do not embody the distinctive characteristics of a type, period or method of construction, represent the work of a master, possess high artistic value, or that represent a significant and distinguishable entity/area (Criterion C); or that have yielded or may be likely to yield information important to local, state, or national history or prehistory (Criterion D).

Based on the information provide in this report, it is concluded that there are not any historic or potentially eligible historic properties, within the boundaries of the Area of Potential Effect that could be affected by this undertaking. Further, the site is not in a historical district. Thus, no historic properties would be affected by the proposed project..

Assessment of Adverse Effects

Under section 800.5(a), the criteria of adverse effect had been applied and the following determination has been made: 1) project sites are located in previously disturbed industrial areas, and 2) the pipeline will be installed in the right-of-way of the previously constructed roadways, this project will have no adverse effect to cultural resources.

We are requesting your concurrence with the Area of Potential Effect and the determination of no adverse effect. If no response is received by the end of March 31, 2007, after the 30-day comment period, we will assume concurrence and proceed with the public notice of a finding of no significant impact accordingly. If you require additional information or have questions regarding this request, please call me at (818) 548-2140

Sincerely,

CITY OF GLENDALE, PLANNING DEPARTMENT



Erik Krause
Senior Planner



Cindy Thomack
Historic Preservation Planner/CLG Coordinator

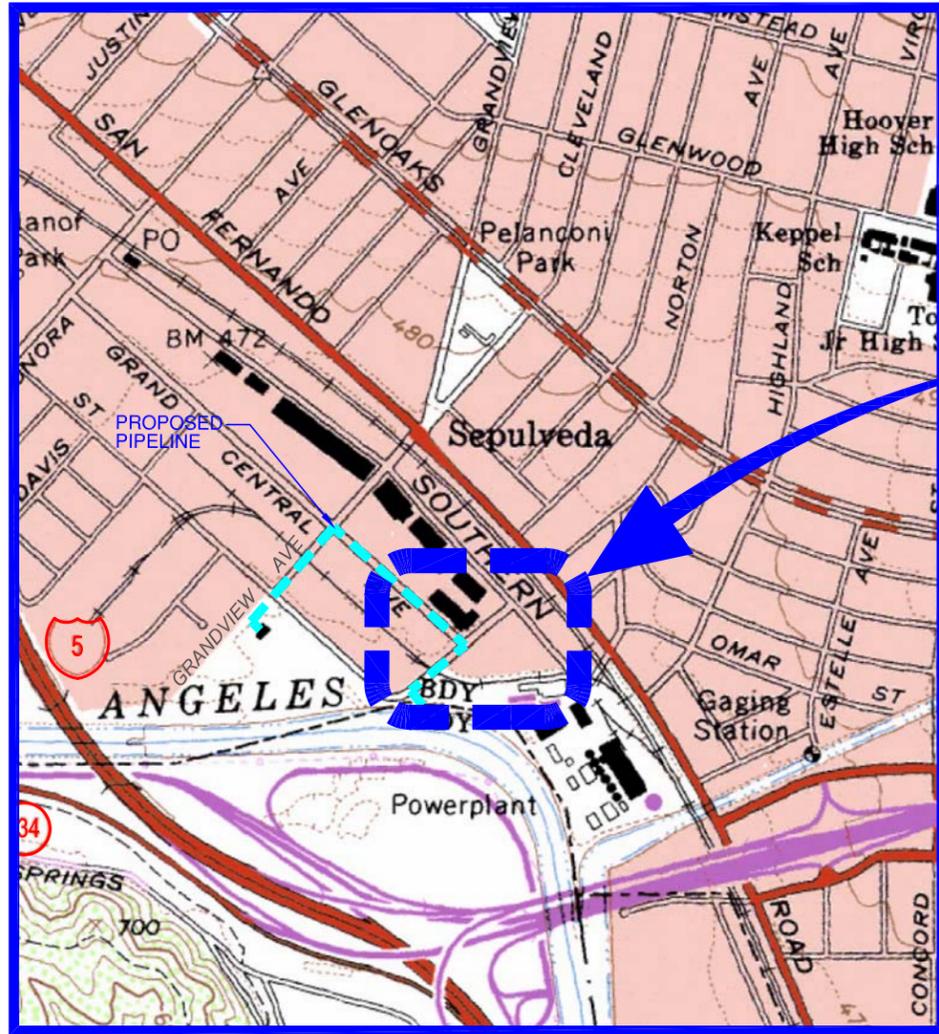
cc: Don Froelich, City of Glendale Water and Power

Attachments:
Location Maps
Site Photos

PROPOSED GWTP CHROMIUM 6 DEMONSTRATION SITE

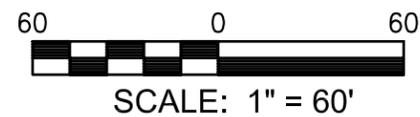
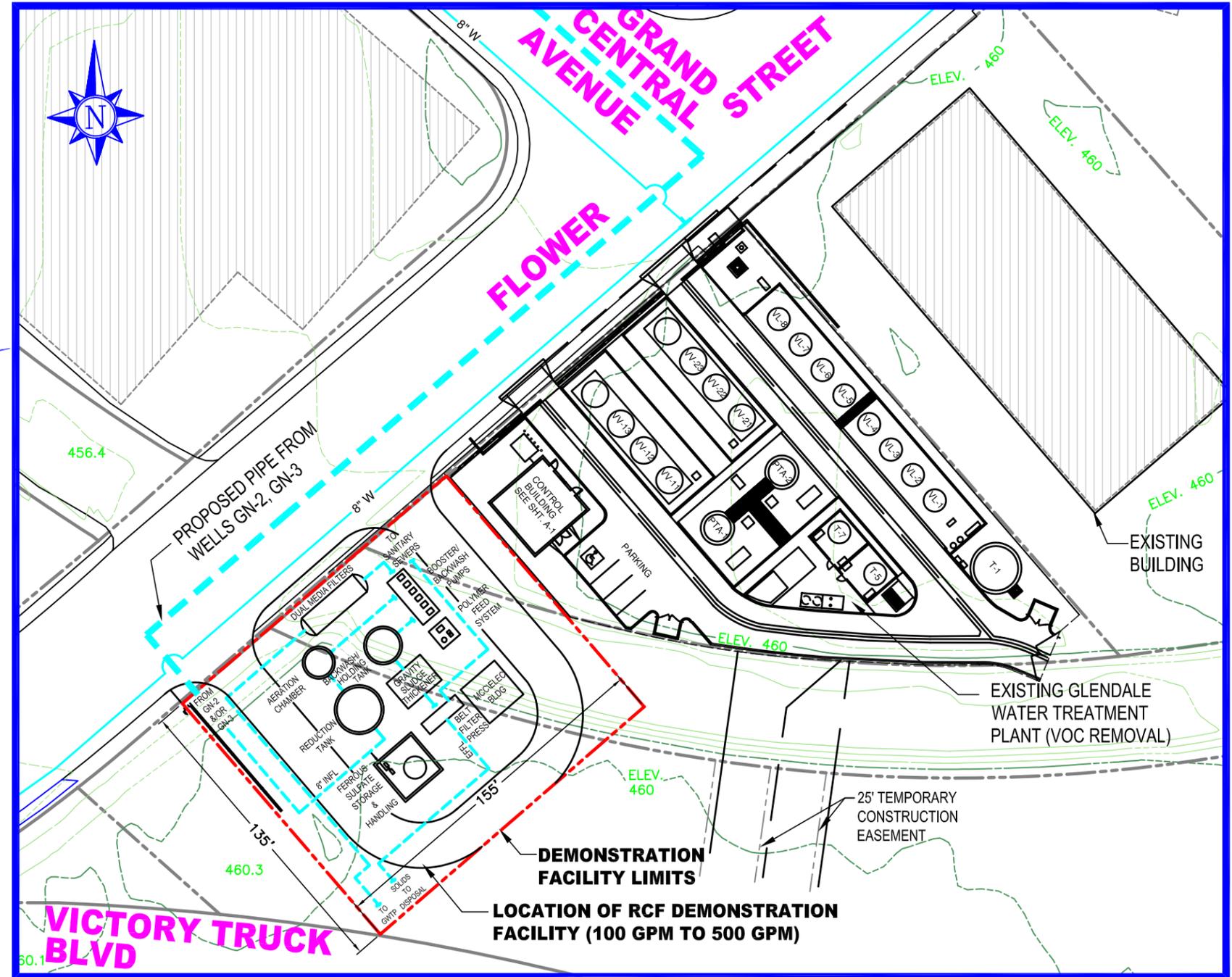
VICINITY MAP AND PROPOSED PIPELINE LOCATION

PORTION OF BURBANK QUADRANGLE
CALIFORNIA - LOS ANGELES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



1. ADDRESS 800 FLOWER STREET, GLENDALE
2. LEGAL DESCRIPTION:
 LATITUDE N 34° 09' 26"
 LONGITUDE N 118° 16' 51"
3. ZONE M1
4. LEGAL DESCRIPTION - RANCHO SAN RAFAEL PLOT
 (No. RANGE/TOWNSHIP)

REDUCTION-COAGULATION-FILTRATION (RCF) FACILITY SITE LAYOUT



GLENDALE WATER TREATMENT PLANT DEMONSTRATION SITE
City of Glendale



WELL GS-3 DEMONSTRATION SITE
4041 ½ Goodwin Avenue in the City of Los Angeles



WELL GS-3 DEMONSTRATION SITE
4041 ½ Goodwin Avenue in the City of Los Angeles



Appendix E: U.S. FISH & WILDLIFE SERVICE CORRESPONDENCE

Krause, Erik

From: Christine_Beck@fws.gov
Sent: Wednesday, April 04, 2007 10:13 AM
To: Krause, Erik
Subject: Chromium 6 removal

Dear Mr. Krause,

This email is a reply to your email request (copied below), which was received in our office on March 1, 2007.

The City of Glendale Water and Power Department (GWP) is proposing to install two demonstration sites for chromium 6 removal in the San Fernando groundwater basin. Attached is a copy of the draft Environmental Assessment (EA) for your review. Briefly, the project site in City of Los Angeles (4041 ½ Goodwin Avenue) involves the addition of a aboveground acid storage tank to an existing groundwater treatment system, while the project site in Glendale (located within the GWP power plant property) includes installing a aboveground treatment plant and underground piping to convey groundwater from two (2) existing wells to the proposed treatment plant. Both project sites are located in developed industrial areas. The project may be partially funded by EPA. Therefore GWP is requesting that FWS determine that the project would **not impact** areas administered by FWS. Thank you for your assistance and I look forward to hearing back from you.

The following is our reply:

I has reviewed the Draft Environmental Assessment (EA) for the installation of a demonstration site for chromium 6 removal at 4041 1/2 Goodwin Avenue in the City of Los Angeles and within the existing GWP power plant in the City of Glendale, Los Angeles County, California. The draft EA was received on March 1, 2007. The proposed project is to add an aboveground acid storage tank to an existing groundwater treatment system at the Goodwin Avenue site, while an aboveground treatment plant and underground piping to convey groundwater from two existng wells to the proposed treatment plant will be installed. Both sites are located in heavily developed industrial areas.

Based on the project location and the information provided, we have determined that no impacts to federally listed species or their proposed or designated critical habitat will occur as a result of the proposed action. Therefore, the interagency consultation requirements of section 7 of the Act have been satisfied. Should project plans change, or if additional information on the distribution of listed or proposed species becomes available, this determination may be reconsidered.

If you have any questions regarding these comments, please contact Fish and Wildlife Biologist Christine Beck of this office at (760) 431-9440.

Christine Beck
Fish & Wildlife Biologist
U. S. Fish & Wildlife Service
6010 Hidden Valley Rd.
Carlsbad, CA 92011
(760) 431-9440 ext. 227

Krause, Erik

From: Krause, Erik
Sent: Thursday, March 01, 2007 9:42 AM
To: 'Ken_Corey@FWS.gov'
Cc: Froelich, Donald; 'donald froelich'; Godinez, Christine
Subject: ESA Consultation
Importance: High

Dear Mr. Corey,

The City of Glendale Water and Power Department (GWP) is proposing to install two demonstration sites for chromium 6 removal in the San Fernando groundwater basin. Attached is a copy of the draft Environmental Assessment (EA) for your review. Briefly, the project site in City of Los Angeles (4041 ½ Goodwin Avenue) involves the addition of a aboveground acid storage tank to an existing groundwater treatment system, while the project site in Glendale (located within the GWP power plant property) includes installing a aboveground treatment plant and underground piping to convey groundwater from two (2) existing wells to the proposed treatment plant. Both project sites are located in developed industrial areas. The project may be partially funded by EPA. Therefore GWP is requesting that FWS determine that the project would **not impact** areas administered by FWS. Thank you for your assistance and I look forward to hearing back from you.

Sincerely,

Erik Krause, Senior Planner
City of Glendale Planning Department
633 East Broadway, Room 103
Glendale, CA 91206-4386

Tel: (818) 548-2140
Fax: (818) 240-0392
ekrause@ci.glendale.ca.us