

**BERKELEY CITYWIDE POOLS MASTER PLAN**

**MITIGATION MONITORING  
AND  
REPORTING PROGRAM**

**CITY OF BERKELEY**

**OCTOBER 2009**

# MITIGATION MONITORING AND REPORTING PROGRAM

Project Title: **Citywide Pools Master Plan**

Date Prepared: **October 30, 2009**

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Approving Body: **City Council, City of Berkeley**

Project Sponsor: **City of Berkeley, Department of Parks, Recreation and Waterfront**

Monitoring Coordinator: **Project Manager, Department of Parks, Recreation and Waterfront**

The following program is designed to ensure compliance with mitigation measures proposed in the Initial Study and Responses to Comments for the Citywide Pools Master Plan to be adopted by the City of Berkeley. The Initial Study and the Responses to Comments were prepared in October, 2009. These two documents concluded that the proposed project could have a significant effect on the environment but that there will not be a significant effect in this case because the mitigation measures that have been prepared will reduce the potential environmental effects to a less-than-significant level. All of the final mitigation measures set forth in the Initial Study and Responses to Comments are addressed in this Mitigation Monitoring and Reporting Program.

## **Responsibilities**

The monitoring coordinator is responsible for overseeing the implementation of the monitoring and reporting program. The monitoring coordinator may request support from other City staff and/or use the services of project consultants to assist with the implementation of the monitoring and reporting program.

## **Mitigation Measures**

The mitigation measures developed in the Initial Study and Responses to Comments, related to the implementation of the Berkeley Citywide Pools Master Plan, are listed in the following Summary Table.

## **Planning Recommendations**

The planning recommendations developed in the Initial Study and Responses to Comments are listed in the following summary table. Planning Recommendations address non-CEQA issues that are important to the successful design and construction of the Citywide Pools Master Plan. Planning Recommendations involve parties other than the City of Berkeley and may not be possible to implement.

## **Monitoring Procedures**

Monitoring compliance with the mitigation measures will be performed as specified in the Summary Table. Monitoring will occur during the design/preliminary engineering stage of individual projects anticipated in the Master Plan, and during the construction and post-construction stages, as appropriate.

Monitoring Compliance Reports shall be produced to verify the progress of compliance with the mitigation measures and to indicate, if necessary, the need for follow-up or corrective measures. The monitoring coordinator shall determine the frequency of the monitoring compliance report based on the nature of the mitigation measures.

## **Reporting Requirements**

The monitoring coordinator shall submit yearly Status Reports to the Director of the Parks, Recreation and Waterfront Department and others who are authorized to receive copies. The Status Reports shall summarize the results and effectiveness of the Monitoring and Reporting Program during a particular period. The Status Report should discuss which mitigation measures were completed and what compliance problems, if any, were encountered during the period.

The Status Report shall include a Master Checklist that indicates if there is compliance with the mitigation measures and recommend follow-up or corrective actions if there is a lack of compliance. The checklist should indicate when the requirements of a particular mitigation measure have been completed.

## **Non-Compliance**

If the Monitoring Compliance Report indicates a lack of compliance with mitigation measures, the monitoring coordinator shall recommend appropriate follow-up or corrective measures to the Director. Lack of compliance and recommended follow-up or corrective measures shall be indicated in the Program Status Reports.

## CITYWIDE POOLS MASTER PLAN PROJECT

### SUMMARY TABLE – MITIGATION MEASURES AND PLANNING RECOMMENDATIONS

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Measure Number	Environmental Issue	Mitigation Measure	Method of Monitoring	Time of Monitoring
1	Aesthetics	The pool lighting systems shall be designed by a qualified lighting engineer. Aimed, sharp cutoff fixtures shall be specified to minimize light spill and glare to the adjacent properties. (AESTH-1)	The Project Architect shall consult with qualified lighting engineers and shall incorporate their recommendations into the designs for each pool project.	During design.
2	Air Quality	<p>To reduce temporary emissions of PM<sub>10</sub> during construction, the contractor shall implement the following measures:</p> <ul style="list-style-type: none"> <li>• Water all active construction areas at least twice a day.</li> <li>• Cover all trucks hauling dry soil, sand, or other loose materials, or require at least two feet of freeboard.</li> <li>• Pave, apply water three times a day, or apply non-toxic soil stabilizers on all unpaved access roads, parking areas, and staging areas.</li> <li>• Sweep daily, preferably with water sweepers, all paved access roads, parking areas, and staging areas at the construction site.</li> <li>• Sweep any public streets where soil is visibly deposited once a day, preferably with water sweepers.</li> <li>• Limit the area subject to excavation, grading or other construction activity at any one time.</li> <li>• Suspend excavation and grading activity when winds (instantaneous gusts) exceed 25 mph.</li> <li>• Limit traffic speeds on unpaved areas to 15 mph.</li> <li>• Include a training module in the worker safety program to explain dust-exposure risks and hygiene procedures to minimize ingestion of soil particles by on-site workers. (AIR-1)</li> </ul>	The City Project Manager shall incorporate these requirements into the contractor bid packages and the construction contract(s) for the respective pool projects. The construction contractor shall be responsible for implementing these requirements during construction.	During preparation of bid packages, construction contracts and construction of individual projects.

3	<b>Cultural Resources</b>	If an archaeological resource is exposed during demolition or construction activities for the proposed project, the construction contractor shall be required to notify the City of Berkeley immediately and all excavation work within ten feet of the find shall cease immediately. A qualified archaeologist shall be consulted to determine the necessity for monitoring the remaining excavation and to evaluate the cultural resource exposed during construction. Cultural resources include, but are not limited to, railroad ties, foundations, privies, shell and bone artifacts, ash and charcoal. Identified cultural resources shall be recorded on DPR 523 (historic properties) forms. (CULT-1)	The City Project Manager shall incorporate this requirement into the construction contract(s) for the respective pool projects. The construction contractor shall be responsible for implementing these requirements during construction.	During construction.
4	<b>Cultural Resources</b>	In the event that human skeletal remains are encountered during demolition or construction activities for the proposed project, the construction contractor shall be required to notify the County Coroner and the City of Berkeley. If the County Coroner determines that the remains are Native American, the Coroner shall contact the California Native Heritage Commission, pursuant to Subdivision (c) of Section 7050.5 of the Health and Safety Code. In addition, all excavation work within ten feet of the find shall cease immediately. (CULT-2)	The City Project Manager shall incorporate this requirement into the construction contract(s) for the respective pool projects. The construction contractor shall be responsible for implementing these requirements during construction.	During construction.
5	<b>Geology</b>	The design plans for the renovation of the existing buildings at the King and Willard Campuses and for the new pool enclosures at the West Campus shall be reviewed by a qualified structural engineer, in consultation with an engineering geologist, who shall provide recommendations for reducing life safety hazards for pool users during a major earthquake. The review shall extend to the foundation and support systems for proposed water slides, new lighting systems, and other above ground structures.	The Project Architect shall consult with specified qualified engineering professionals and shall incorporate their recommendations into the designs for each pool project.	During design.

		The review shall also extend to the potential impact of a pool rupture causing flooding into adjoining properties. The engineering recommendations shall be incorporated into the final design plans. (GEO-1)		
6	<b>Geology</b>	All water treatment chemical storage tanks, and related pumping and piping systems shall be secured to resist seismic movement and any incompatible chemicals (e.g. acids and sodium hypochlorite) shall be stored in physically segregated locations so that they could not mix if spilled. (GEO-2)	The Project Architect shall incorporate these requirements into the respective construction plans and the contractor shall build them, as specified.	During design and construction.
7	<b>Geology</b>	The design plans for all three pool complexes shall be reviewed by a registered engineering geologist, whose recommendations for the installation of base materials and/or soil treatments designed to minimize the potential damage from expansive soils shall be incorporated into the designs and implemented by the construction contractor. (GEO-3)	The Project Architect shall consult with specified qualified engineering professionals and shall incorporate their recommendations into the designs for each pool project.	During design.
8	<b>Hazardous Materials</b>	The chemical storage and treatment facilities at each site shall be redesigned and reconstructed to meet current applicable standards found in the California Building Code and the Uniform Fire Code. This shall specifically include seismic safety strapping of the chemical storage tanks, separate storage of potentially reactive acids and bases, proper ventilation of the chemical and mechanical rooms. (HAZ-1)	The Project Architect shall incorporate these requirements into the respective construction plans and the contractor shall build them, as specified.	During design.
9	<b>Hazardous Materials</b>	Revised safety policies and procedures for the handling, storage and application of the water treatment chemicals shall be prepared for each pool site and the pool management and authorized on-site staff shall be trained in the application of the revised policies and procedures prior to the re-opening of each pool. (HAZ-2)	The City Aquatics Facilities Supervisor shall be responsible for providing the appropriate training.	After construction is complete and prior to re-opening each pool.

10	<b>Hydrology and Water Quality</b>	<p>A Notice of Intent covering the overall project (3 sites totaling 1.58 acres) shall be filed and a Storm Water Pollution Prevention Plan (SWPPP) shall be prepared, as required by the State Water Resources Control Board for projects involving more than one acre of land disturbance. The SWPPP shall incorporate appropriate Best Management Practices (BMPs) to control soil and surface water runoff during demolition, excavation, filling, and trenching. To the extent feasible, ground-disturbing activities shall be conducted during the dry season (April 15 to October 31). Stockpiled soil shall be covered and protected with temporary erosion control measures. The SWPPP shall include temporary erosion control measures in the event that rainy weather occurs during construction. (HYDRO-1)</p>	<p>The City Project Manager shall be responsible for filing the SWPPP and for incorporating it the construction contract(s) for the respective pool projects. The construction contractor shall be responsible for implementing these requirements during construction.</p>	<p>During design and construction.</p>
11	<b>Noise</b>	<p>Construction activity shall be limited to the hours between 7:00 AM and 5:00 PM, Monday through Friday, and between 9:00 AM and 5:00 PM on Saturday. No construction related activity shall occur on Sunday. (NOISE-1)</p>	<p>The City Project Manager shall incorporate this requirement into the bid packages and the construction contract(s) for the respective pool projects. The construction contractor shall be responsible for implementing it during construction.</p>	<p>During preparation of bid packages and during construction.</p>
12	<b>Noise</b>	<p>The Parks, Recreation and Waterfront Department shall require that the construction contractor submit a Construction Noise Reduction Plan for review and approval by the Department's Director prior to commencement of construction. The Noise Reduction Plan shall include, but not be limited to, the following measures:</p> <ul style="list-style-type: none"> <li>• Equipment and trucks used for project construction shall utilize the best available noise control techniques (e.g. improved mufflers, intake silencers, engine</li> </ul>	<p>The City Project Manager shall incorporate this requirement into the bid packages and the construction contract(s) for the respective pool projects. The construction contractor shall be responsible for implementing it during construction.</p>	<p>During preparation of bid packages and during construction.</p>

		<p>enclosures, acoustically attenuating shields or shrouds, wherever feasible.</p> <ul style="list-style-type: none"> <li>• Stationary noise sources, such as air compressors, shall be located as far from sensitive sources as possible, and shall be muffled and enclosed within temporary sheds, or insulation barriers.</li> <li>• Signs shall be posted at the respective construction sites that include the permitted construction days and hours, a day and evening phone contact number for the job site, a day and evening contact number for the on-site complaint and enforcement manager and the City's Noise Enforcement Officer, in the event of problems.</li> <li>• The on-site complaint and enforcement manager shall be available to respond to and track complaints. The manager will be responsible for responding to complaints regarding construction noise and for coordinating with the adjacent land uses. The manager shall notify the City's Noise Enforcement Officer of all complaints within 24-hours, and</li> <li>• Prior to start of construction, a pre-construction meeting shall be held with the Noise Enforcement Officer and the general contractor/on-site project manager at each respective site to confirm that noise mitigation practices are understood and that the required notification signs are in place. (NOISE-2)</li> </ul>		
13	Noise	The project shall comply with Chapter 13.40 of the City's Noise Ordinance with regard to interior and exterior noise generated from the pools. (NOISE-3)	The City Project Manager shall incorporate this requirement into the bid packages and the construction contract(s) for the respective pool projects. The construction contractor shall be responsible for implementing it during construction.	During preparation of bid packages and during construction.

14	Noise	A noise consultant shall be consulted during the planning and design of each pool in order to determine a pool area design that minimizes the transmission of noise to adjacent homes. Depending on the pool, the noise consultant may consider pool and viewing stand location, hours of operation, limiting levels of amplification and acoustic buffers as possible measures to reduce ambient noise levels. Recommendations shall be incorporated into the pool design and implemented by the construction contractor. (NOISE-4)	The Project Architect shall consult with specified qualified engineering professionals and shall incorporate their recommendations into the designs for each pool project. The Project Architect shall incorporate these requirements into the respective construction plans and the contractor shall build them, as specified.	During design and construction.
15	Noise	A traffic-monitoring program shall be prepared to outline plans for directing traffic and pedestrians to and from King Pool during special events in a manner that has the least noise impact on neighboring homes. (NOISE-5)	The City Project Manager shall be responsible for preparing a traffic and pedestrian routing plan for special event days.	After construction is complete. For each competition at King Pool.

Planning Recomm. Number	Environmental Issue	Planning Recommendation	Method of Monitoring	Time of Monitoring
1P	Aesthetics	During the planning and design of King Pool, design solutions to protect the privacy of the neighbors shall be considered. These may include landscaped barriers and vegetative buffers that would screen the neighboring homes from the pool. (PLANNING RECOMMENATION AESTH-1)	The Project Architect shall consider visual privacy in the planning and design of each pool and shall incorporate their recommendations into the designs for each pool project. The Project Architect shall incorporate these requirements into the respective construction plans and the contractor shall build them, as specified.	During design.
2P	Traffic	During the design of the West Campus pools, the project architect, the Parks Recreation and Waterfront Department	The Project Architect shall consider handicapped parking in the planning and design of the Warm Water Pool	During design.

		(PRW) and Public Works Department shall identify locations for five to ten handicapped parking spaces in proximity to the pool entrance. Possible locations could include the area where the current entrance plaza/locker room building is now located and/or curbside spaces on Curtis Street and Browning Street near the pools. ( PLANNING RECOMMENDATION TRAF-1)	and shall incorporate their recommendations into the designs for the pool project. The Project Architect shall incorporate these requirements into the respective construction plans and the contractor shall build them, as specified.	
<b>3P</b>	<b>Traffic</b>	To reduce the demand on the limited number of unrestricted parking spaces in the vicinity of the Willard Pool, the PRW Department shall coordinate with the School District to develop a parking agreement for the Willard Pool that would allow pool staff to use three to five of Willard School's on-site parking spaces in the period when the school is not in session but the pool is open. (PLANNING RECOMMENDATION TRAF-2)	As part of lease negotiations with the School District, the City shall request a parking agreement for Willard Pool.	During lease negotiations.
<b>4P</b>	<b>Traffic</b>	The PRW Department shall work with the School District to investigate the feasibility of developing a special event parking plan for events at the King Pool. Potentially some of the swim meet competitor's vehicles could be accommodated on the King School Campus, and the event sponsor could be held responsible for providing maps, directional signs, or space assignments in advance of meets. This would reduce the demand for event-day parking on neighborhood streets. (PLANNING RECOMMENDATION TRAF-3)	As part of lease negotiations with the School District, the City shall request special event parking at King School and determine responsibilities for event days.	During lease negotiations.