STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
01 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600

September 27, 1994

Mr. Frank S. Catania
Director of Planning and Development Branch
City of Los Angeles
Department of Recreation and Parks
200 N. Main Street, 13th Floor
Los Angeles, California 90012

WASTE DISCHARGE REQUIREMENTS - HOLLENBECK PARK LAKE (NPDES PERMIT NO. CA0062341)

Our letter dated August 25, 1994, transmitted tentative waste discharge requirements for the discharge of lake water from the subject project.

Pursuant to Division 7 of the California Water Code, this Regional Board at a public hearing held on September 26, 1994, reviewed the tentative requirements, considered all factors in the case, and adopted Order No. 94-091 (copy attached). This Order serves as a permit under the National Pollutant Discharge Elimination System (NPDES) and expires on September 10, 1999. Section 13376 of the California Water Code requires that an application for a new permit must be filed at least 180 days before the expiration date.

You are required to implement the Monitoring and Reporting Program on the effective date of this Order. All monitoring reports should be sent to the Regional Board, **ATTN: Technical Support Unit.** Please reference all technical and monitoring reports to our compliance file No. CI-7037.

To save postage and copying costs, only copies of the Board Order and Monitoring and Reporting Program are being sent to parties on the mailing list. The Standard Provisions, General Monitoring and Reporting Requirements, and Laboratory Report Forms are being sent only to the discharger. However, copies of these documents will be furnished upon request.

September 27, 1994

If you have any questions, please contact Gary Schultz at (213) 266-7595.

WINNIE D. JESENA
Senior Water Resource
Control Engineer

Enclosures

cc: See attached mailing list

/GS

cc: Environmental Protection Agency, Region 9,
Permit Branch (W-5-1) & Administrative Service Division
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
Mr. Archie Matthews, State Water Resources Control Board,
Division of Water Quality
Mr. Jorge Leon, State Water Resources Control Board, Office
of Chief Counsel
Mr. Dean Dunphy, Business, Transportation, and Housing
Agency
Mr. Ronald Kosinski, Environmental Planning Branch, California
Department of Transportation
Department of Fish and Game, Marine Resources Region
Department of Fish and Game, Region 5
Department of Health Services, Office of Drinking Water
South Coast Air Quality Management District
Mr. Gary Hildebrand, Los Angeles County, Department of Public
Works, Waste Management Division
Los Angeles County, Department of Public Works, Waste
Management Division
Los Angeles County, Department of Health Services
Water Replenishment District of Southern California
Mr. Phil Richardson, City of Los Angeles, Stormwater
Management Division
City of Los Angeles, Department of Public Works, Bureau of
Sanitation, Industrial Waste Operations
City of Los Angeles, Department of Public Works, Bureau of
Engineering, Collection Systems Engineering Division
Mr. Mel Blevins, ULARA Watermaster

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 94-091
NPDES NO. CA0062341

WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF LOS ANGELES
DEPARTMENT OF RECREATION AND PARKS
(Hollenbeck Park Lake)

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. The City of Los Angeles Department of Recreation and Parks (City) used to discharge lake water under waste discharge requirements contained in Order No. 91-044 adopted by the Regional Board on April 22, 1991. This order served as a permit under the National Pollutant Discharge Elimination System (NPDES). The permit expired on April 10, 1994.

2. In August 1994, the City filed a report of waste discharge and has applied for waste discharge requirements and a National Pollutant Discharge Elimination System permit.

3. The City maintains Hollenbeck Park Lake located at the intersection of 4th Street and St. Louis Street at Boyle Heights near downtown Los Angeles. The City proposes to drain the lake to allow the California Department of Transportation (Caltrans) to work on the seismic retrofit of Route 5 Freeway which crosses the lake and to allow the City to work on a water purification and recirculation system for the lake.

4. Hollenbeck Park Lake serves as both an urban recreation lake and a retention/receptor basin for wet and dry weather runoff from approximately 900 acres of highly impervious urban watershed of an old section of the area lying north and east of the lake. All this runoff passes through the lake on its way to the Los Angeles River.

   The report of waste discharge indicates that beneficial uses of the lake are currently severely impacted. Boating and fishing in the lake are now prohibited. The lake water is polluted resulting in foul odors, poor visual aesthetics, periodic anoxia episodes, and poor bacteriological quality.

5. The proposed recirculation and purification system for the lake is designed to remove debris and floatables, increase water column clarity and reduce water column loading of nutrients, chemical contaminants, hydrocarbons, and heavy metals by coagulant treatment and/or micro-filtration, disinfect the lake water to remove pathogens and excess plankton; and aerate the lake water.

6. The City proposes to discharge lake water into the City of Los Angeles' storm drain system (at Latitude: 32° 2′ 6"; Longitude: 118° 13′ 32") which empties into the Los Angeles River, a water of the United States, above the tidal prism.

7. The City has submitted a dewatering plan which includes a physical, chemical, and bacteriological characterization of lake water and sediment, and which describes the manner of draining the lake, the treatment and/or sewering of the lake water (if necessary), lake bottom stabilization, and procedures for sediment removal and disposal if necessary.

8. The City will make the necessary arrangements and coordinate with the State Department of Fish and Game to temporarily move and maintain wildlife including fish and aquatic birds at an alternate site until drainage and construction at the lake are complete.

9. The City proposes to introduce hydrogen peroxide into the lake, if necessary, to minimize odor nuisance primarily caused by hydrogen sulfide.

10. The Regional Board adopted a revised Water Quality Control Plan for the Los Angeles River Basin (Basin Plan 4B) on June 3, 1991. The plan incorporates by reference the State Water Resources Control Board's water quality control plans on temperature and the policy on antidegradation. The Basin Plan contains water quality objectives for the Los Angeles River.

11. The beneficial uses of the receiving waters are: groundwater recharge, contact and non-contact water recreation, warm freshwater habitat, wildlife habitat; and, (within the tidal prism), marine habitat, saline water habitat, preservation of rare and endangered species, shellfish harvesting, industrial service supply, and ocean commercial and sport fishing.

12. Toxic standards established pursuant to Sections 101(a)(3), 303(c), and 304(a)(1) of the Federal Clean Water Act are applicable to this discharge.

13. The requirements contained in this Order, as they are met, will be in conformance with the goals of the above-mentioned water quality control plans and statutes.

14. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.

The Regional Board has notified the discharger and interested agencies and persons of its intent to issue waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Regional Board, in a public hearing, heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Clean Water Act or amendments thereto, and shall take effect at the end of ten days from the date of its adoption provided the Regional Administrator of the U.S. Environmental Protection Agency has no objections.

IT IS HEREBY ORDERED that the **CITY OF LOS ANGELES' DEPARTMENT OF RECREATION AND PARKS**, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Limitations

1. The discharge shall be limited to Hollenbeck Park Lake water as proposed.

2. The discharge of lake water with constituents in excess of the following concentrations is prohibited:

Constituents	Units	Discharge Limitations Daily Maximum
Total dissolved solids	mg/l	1,500[a]
Suspended solids	mg/l	75[a]
Settleable solids	ml/l	0.3
Turbidity	NTU	75
BOD_5 20°C	mg/l	30[a]
Fecal coliform	Number per 100 ml	400
Chloride	mg/l	150
Nitrogen[b]	mg/l	8
Sulfide	mg/l	0.1
Sulfate	mg/l	350
Oil and grease	mg/l	15[a]
Residual chlorine	mg/L	0.5
Chloroform	ug/l	480[a]
Halomethanes[c]	ug/l	480[a]
Arsenic	ug/l	190[a] [a,d]
Copper	ug/l	
Chromium (VI)	ug/l	11[a] [a,e]
Lead	ug/l	
Mercury	ug/l	2.4[a]

a The mass emission rate limitations (in lbs./day) shall be determined using the tabulated concentration limits and flow rate of discharge.

b Nitrate-N plus Nitrite-N

c Halomethanes shall mean the sum of bromoform, bromomethane, chloromethane, chlorodibromomethane, and dichlorobromomethane.

d and e = Limits for these metals are expressed by the following formulas , where H = ln (hardness) in mg/l as $CaCO_3$:

d (Copper): $d = \exp^{0.845H - 1.465}$; For example, where hardness is 50 mg/l, the limit for copper is 6.5 ug/l.

e (Lead): $e = \exp^{1.273H - 4.705}$; For example, where hardness is 50 mg/l, the limit for lead is 1.3.

B. Receiving Water Limitations

1. The wastes discharged shall not result in coloration that causes nuisance or adversely affects beneficial uses.

2. The wastes discharged shall not contain taste or odor-producing substances in concentrations that impart undesirable tastes or odors to fish flesh or other edible products of aquatic origin, cause nuisance, or adversely affect beneficial uses.

3. The wastes discharged shall not contain floating material, including solids, liquids, foams, and scum, in concentrations that cause nuisance or adversely affect beneficial uses.

4. The wastes discharged shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect beneficial uses.

5. The wastes discharged shall not contain biostimulatory substances in concentrations that promote aquatic growth to the extent that such growth causes nuisance or adversely affects beneficial uses.

6. The wastes discharged shall not increase the turbidity of the receiving water such that it would create nuisance or adversely affect beneficial uses.

C. Requirements and Provisions

1. This Order includes the attached "Standard Provisions and General Monitoring and Reporting Requirements" ("Standard Provisions"). If there is any conflict between provisions stated hereinbefore and said "Standard Provisions", those provisions stated hereinbefore prevail.

2. Lake dewatering shall be conducted at a rate such that the discharge does not exceed the ambient lake water column turbidity by more than 2 NTU. The discharge shall be terminated if visual observations indicate turbid conditions.

   When the lake is drained during the night (sunset to sunrise), the City shall provide continuous and sufficient illumination of not less than 15 footcandles on the lake surface at the vicinity of the drain outlet.

3. If any positive presumptive fecal coliform test result exceeds 400 per 100 ml, disinfection of the discharge must be initiated and continued until the results of subsequent samples have demonstrated that the discharge does not exceed the fecal coliform limitation.

4. Drainage of the lake water to the storm drain system shall be terminated once gravity flow is complete, when discharge of sediments is imminent, or whenever discharge limitations are

exceeded. The remaining volume of water shall be treated to meet discharge limitations, or disposed of through the City's sanitary sewer system.

5. Should an oxidant other than hydrogen peroxide be used for odor control, written approval for its application shall first be obtained from the Executive Officer.

6. Remaining sludge and water in treatment equipment used shall be concentrated and treated into a water/solid mixture consistency to comply with landfill regulatory requirements for disposal at a legal disposal site. Lake bottom sediment requiring disposal shall be disposed of similarly.

7. For every drainage event, the Regional Board shall be notified: a) at least 24 hours prior to commencement of lake drainage; b) when about 75% of the lake water has been discharged; c) when sump pump drainage begins and, d) when drainage of the lake has been terminated [see Item C (4)]. A drainage event is a single discrete activity undertaken to fully or partially drain the lake and in which the lapse between discharges does not exceed 72 hours.

D. Expiration Date

This Order expires on September 10, 1999.

The discharger must file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, not later than 180 days in advance of the expiration date as application for issuance of new waste discharge requirements.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on September 26, 1994.

Robert P. Ghirelli

ROBERT P. GHIRELLI, D.Env.
Executive Officer

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