

CALIFORNIA COASTAL COMMISSION

South Coast Area Office
1000 Ocean Gate, Suite 1000
Redondo Beach, CA 90802-4302
(562) 590-5071

RECORD PACKET COPY**Tu 4a**

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Staff: PE-LB
Staff Report: 2/23/99
Hearing Date: 3/14-17/2000
Commission Action:

STAFF REPORT: CONSENT CALENDAR

APPLICATION NUMBER: 5-99-454(Water Replenishment District of Southern California)

APPLICANT: Water Replenishment District of Southern California

AGENTS: Melinda Sperry, Tom Halliman

PROJECT LOCATION: Install 14 inch diameter pipeline within Avenue A and west side of South Esplanade, discharging through the Avenue F (Knob Coast) Storm Drain; City of Redondo Beach, Los Angeles County

PROJECT DESCRIPTION: Install a pipeline to collect brine from three desalination plants and discharge 1200 gallons per minute of brackish groundwater to ocean at Avenue F (Knob Coast) storm drain. Desalination plants and most of the line are located outside the coastal zone.

APPROVALS RECEIVED:

- 1) City of Redondo Beach: City Council Approval Nov. 16, 1999
- 2) City of Redondo Beach Dept Public Works, plan approval 11/3/99
- 3) Water Replenishment District of Southern California, Mitigated Negative Declaration, July 1998
- 4) Los Angeles County Flood Control District, Permit to construct an 18 inch RCP connection to the Knob Coast Drain from the pipeline
- 5) California Regional Water Quality Control Board, Los Angeles Region, NPDES permit No. CA0064238, CI 7949

SUMMARY OF STAFF RECOMMENDATION:

Staff recommends approval of the development with a condition that the work on the Esplanade and storm drain connection not occur during the summer weekends, between Labor Day and Memorial Day.

II. STANDARD CONDITIONS:

1. Notice of Receipt and Acknowledgment. The permit is not valid and development shall not commence until a copy of the permit, signed by the permittee or authorized agent, acknowledging receipt of the permit and acceptance of the terms and conditions, is returned to the Commission office.
2. Expiration. If development has not commenced, the permit will expire two years from the date this permit is reported to the Commission. Development shall be pursued in a diligent manner and completed in a reasonable period of time. Application for extension of the permit must be made prior to the expiration date.
3. Compliance. All development must occur in strict compliance with the proposal as set forth in the application for permit, subject to any special conditions set forth below. Any deviation from the approved plans must be reviewed and approved by the staff and may require Commission approval.
4. Interpretation. Any questions of intent or interpretation of any condition will be resolved by the Executive Director or the Commission.
5. Inspections. The Commission staff shall be allowed to inspect the site and the project during its development, subject to 24-hour advance notice.
6. Assignment. The permit may be assigned to any qualified person, provided assignee files with the Commission an affidavit accepting all terms and conditions of the permit.
7. Terms and Conditions Run with the Land. These terms and conditions shall be perpetual, and it is the intention of the Commission and the permittee to bind all future owners and possessors of the subject property to the terms and conditions.

III. SPECIAL CONDITIONS

1. Timing of Construction

To avoid adverse impacts on public beach access and beach parking, construction on the Esplanade and the storm drain connection shall not occur between Memorial Day weekend and Labor Day.

IV. FINDINGS AND DECLARATIONS:

The Commission hereby finds and declares:

B. PUBLIC SHORELINE ACCESS AND RECREATION

The construction of the project is proposed to take place in the fall. The connection to the storm drain outfall is also constrained by the Department of Public Works—Flood control to take place prior to October 15. The connection to the storm drain outfall is a small portion of the project and can be accomplished in much less than six weeks. According to the applicant, the City of Redondo Beach has required that the project not excavate during the summer. The purpose of the City's condition is to prevent interference with beach access.

Sections 30210 and 30211 of the Coastal Act require, respectively that maximum access be provided and that existing beach access be preserved. Coastal Act section 30221 requires the preservation of publicly owned beachfront recreation facilities. In this case, existing beach access includes the public's use of the beachfront street, the Esplanade, for vehicular access and beach parking. In addition, there is access from the Esplanade down the face of the bluff to the beach via paved paths. At the toe of the bluff there is a County-operated bicycle path. The project, as currently proposed, will be above beach level and will not interfere with the bicycle path..

While the project is under construction, there will be some interference with beach traffic and parking. In this community there is some surplus parking during the fall and spring months. During the summer there is a heavy demand for beach parking and closure of all or part of the Esplanade for construction would reduce existing beach access. Therefore the Commission finds that only as conditioned to carry out construction outside of the summer beach season, can the project be found consistent with Coastal Act sections 30210, 30211 and 30220. As conditioned the project is consistent with the beach access and recreation sections of the Coastal Act.

C. ENVIRONMENTALLY SENSITIVE HABITAT.

The Esplanade has no environmentally sensitive habitat. The existing storm drain discharges fresh water to the ocean in this location. Discharge of brackish water here, where the existing storm drain is located will not impact the salinity of ocean water or interfere with any habitat.

1) Water quality of discharge: Near shore environments typically have fluctuations in salinity. The Regional Water Quality Control Board, RWQCB, has reviewed the project. The Board established standards for the water quality of the discharge (Exhibit 6). The RWQCB order does not allow the discharge of the brine if the brine is polluted with chemicals or heavy metals.

2) Siltation during construction. The applicant proposes measures to prevent siltation and runoff during construction. These are the typical and standard measures, such as sandbags and covering trucks filled with earth as required by the City, the RWQCB, the AQMD and the Commission.

discharge has been reviewed and conditioned by the RWQCB. It will not result in hazards to human health. The project will not cause any hazard and is consistent with section 30253 of the Coastal Act.

E. Local Coastal Program

Section 30604(a) of the Coastal Act provides that the Commission shall issue a Coastal Development Permit only if the project will not prejudice the ability of the local government having jurisdiction to prepare a Local Coastal Program which conforms with Chapter 3 policies of the Coastal Act:

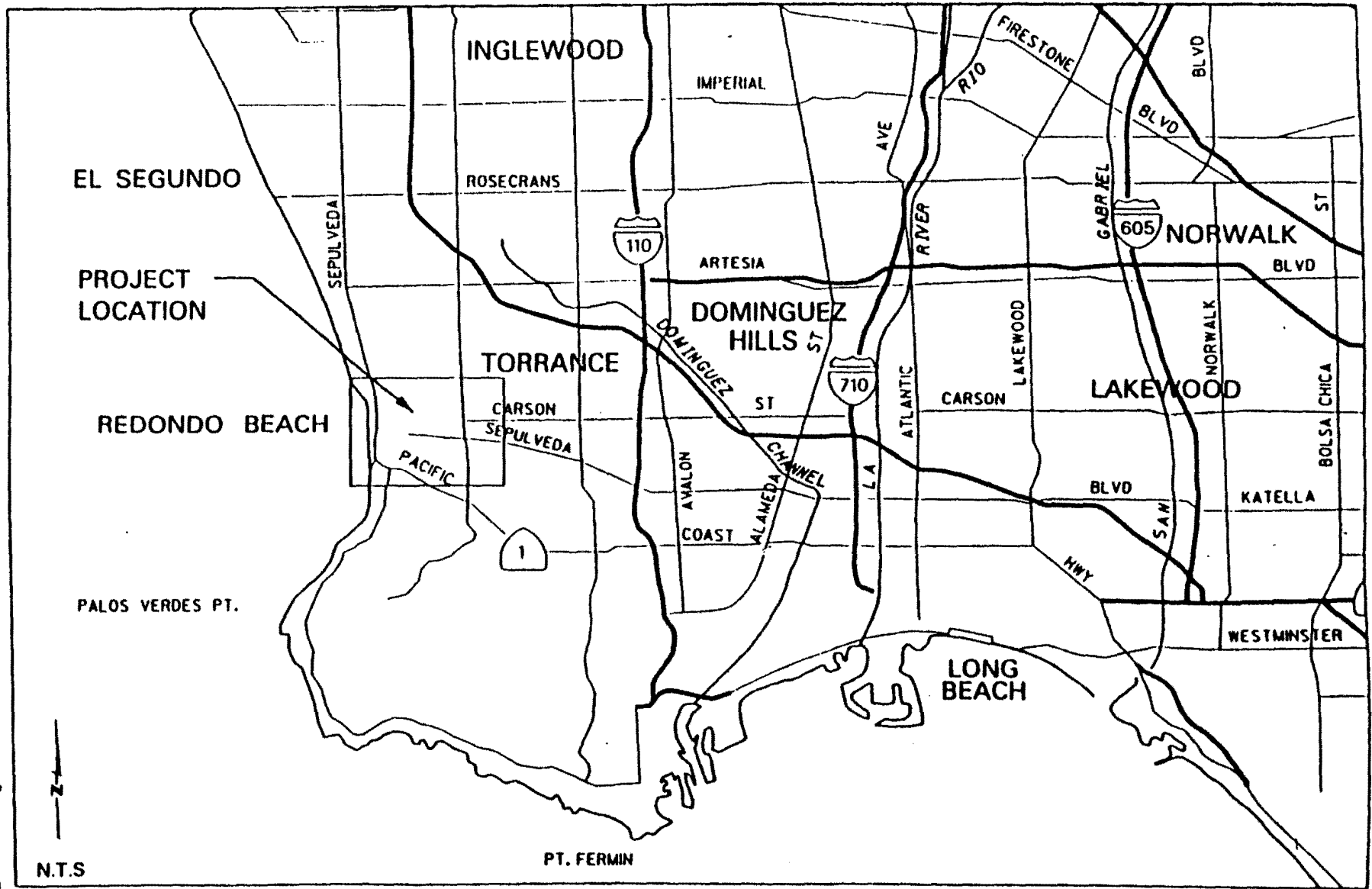
- (a) Prior to certification of the Local Coastal Program, a Coastal Development Permit shall be issued if the issuing agency, or the Commission on appeal, finds that the proposed development is in conformity with the provisions of Chapter 3 (commencing with Section 30200) of this division and that the permitted development will not prejudice the ability of the local government to prepare a Local Coastal Program that is in conformity with the provisions of Chapter 3 (commencing with Section 30200). A denial of a Coastal Development Permit on grounds it would prejudice the ability of the local government to prepare a Local Coastal Program that is in conformity with the provisions of Chapter 3 (commencing with Section 30200) shall be accompanied by a specific finding which sets forth the basis for such conclusion.

Redondo Beach has a certified Land Use Plan, but does not have a certified Local Implementation Plan (LIP.) The beach is designated "Parks Recreation and Open Space" in the certified LUP. The City is in the process of revising its LUP. The draft revised LUP designates this area as "P" parks and public facilities. In the proposed revisions, beaches will be further protected as open space, and the construction of structures on beaches will be discouraged. The proposed installation will not require a structure on the beach and uses an existing storm drain outfall and will not result in the discharge of pollutants to the beach that will result in the reduction of reduce public access or public use. The proposed project as conditioned to protect summer beach access is consistent with both the certified and the proposed LUP.

The proposed project, as conditioned, is consistent with the coastal access, habitat and hazard policies of the Coastal Act. Therefore, the Commission finds that approval of the proposed development, as conditioned, will not prejudice the City's ability to prepare a Local Coastal Program consistent with the policies of Chapter 3 of the Coastal Act, as required by Section 30604(a).

F. California Environmental Quality Act

Section 13096 of the Commission's regulations requires Commission approval of Coastal Development Permit applications to be supported by a finding showing the application, as conditioned by any conditions of approval, to be consistent with any applicable requirements of the California Environmental Quality Act (CEQA). Section



VICINITY MAP
FIGURE 1

599 4151
Exhibit 1 Location



COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100

5-99-454

HARRY W. STONE, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

August 3, 1998

RECEIVED
DEC 14 1998

IN REPLY PLEASE
REFER TO FILE: P-2

Ms. Melinda Sperry
Water Replenishment District of Southern California
12621 East 166th Street
Cerritos, CA 90703

CALIFORNIA
COASTAL COMMISSION

Dear Ms. Sperry:

RESPONSE TO AN INITIAL STUDY (IS) - DESALTER PROGRAM IN THE WEST COAST BASIN

Thank you for the opportunity to provide comments on the IS for the proposed Desalter Program in the West Coast Basin. We have reviewed the IS and offer the following comments:

Environmental Programs Division

Current estimates indicate that a shortfall in permitted daily land disposal capacity in Los Angeles County will occur within the next few years. The construction activities associated with the proposed project may increase the generation of solid waste, and may negatively impact solid waste management facilities in the County. Therefore, the proposed Mitigated Negative Declaration (MND) must identify what measures the project proponent will implement to mitigate the impact. These measures may include, but are not limited to, implementation of waste reduction, recycling and composting programs, as well as programs to divert the generated solid waste from the landfills.

The existing hazardous waste management (HWM) facilities in this County are inadequate to handle the hazardous waste currently being generated. The proposed project may generate hazardous waste and household hazardous waste which could adversely impact existing HWM facilities. This issue should be addressed and mitigation measures provided.

The MND needs to fully assess the impact of this project on the quality of stormwater runoff. The MND should reference Order No. 96-054, National Pollutant Discharge Elimination System Permit CAS614001 issued by the California Regional Water Quality Control Board to the County and local agencies. The MND should also indicate compliance with all relevant stormwater quality management programs of the Federal, State, County, and local agencies.

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Ex 3 P 1

EXHIBIT NO. 4
APPLICATION NO.
589.4154
West Basin

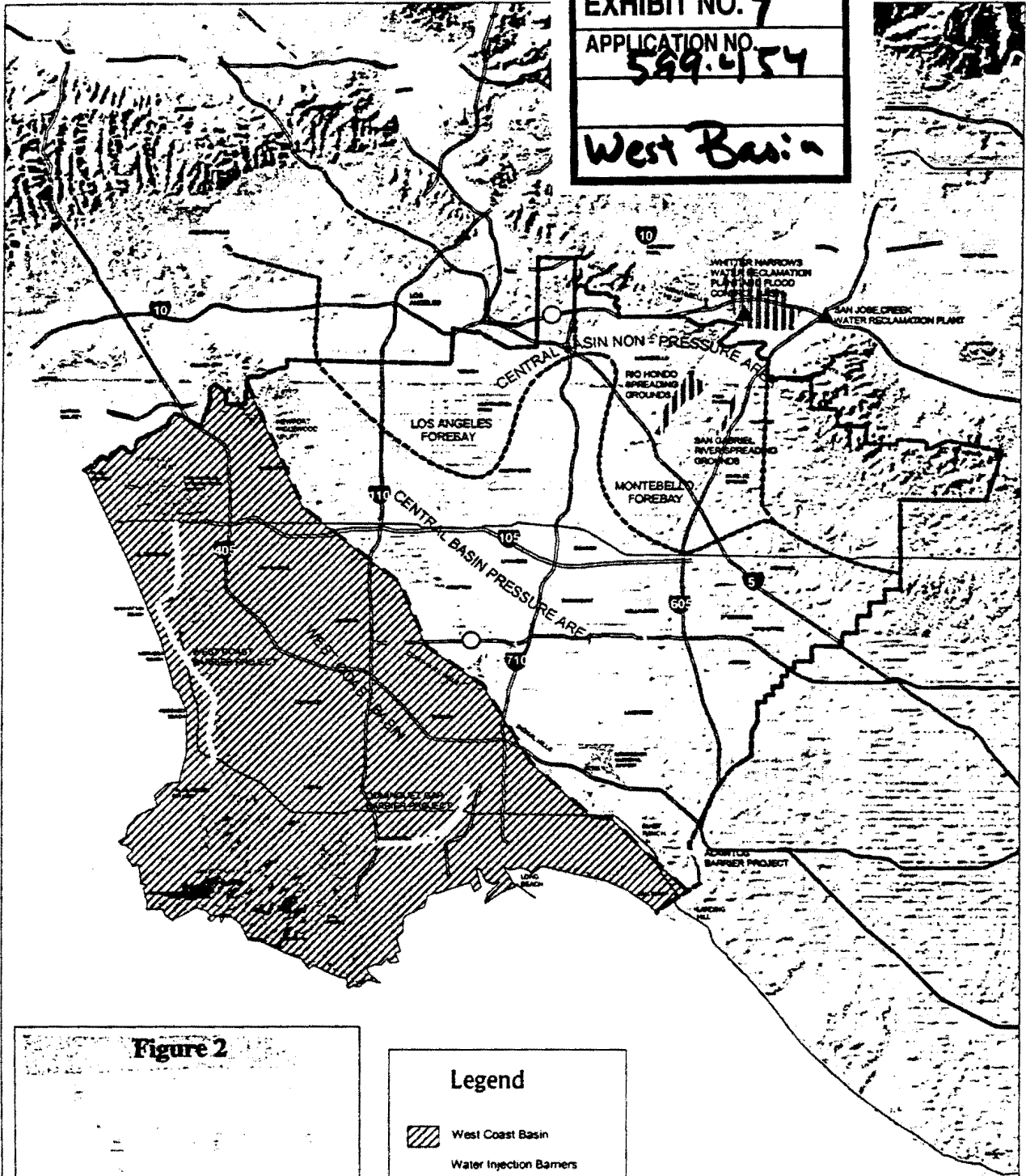

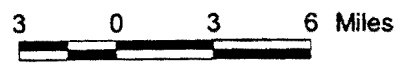


Figure 2

District Boundary

Legend

-  West Coast Basin
-  Water Injection Barriers
-  Forebay Boundary
-  Newport Inglewood Uplift
-  Spreading Grounds / Flood Control Basin
-  Water Reclamation Plants



Map Projection: UTM zone 11.
 Map Date: June, 1998.



Exhibit S
p 2

Table 3 (Continued)
Expected Brine Water Quality

Constituent	Detection Limit (ug/l)	Expected brine quality ⁽¹⁾ (ug/l)	Ocean Plan Objectives (ug/l)	
			6-Month Median	Instantaneous Maximum
Arsenic	10	ND	8	80
Cadmium	5	ND	1	10
Copper	10	ND	3	30
Mercury	0.2	ND	0.04	0.4
Selenium	50	ND	15	150
Thallium	10	ND	14	NS
Cyanide	5	ND	1	10

ND - Nondetect
NS - No standard

(1) Based on existing brine quality of the C. Marvin Brewer Desalter in the Torrance area.

Actual brine quality from the Sepulveda and Madrona desalters cannot be specifically determined until the facilities are on-line. However, brine quality is expected to be similar to the C. Marvin Brewer desalter in Torrance and is expected to meet Ocean Plan objectives for all parameters, with the possible exception of ammonia. Specific discharge limitations for the brine discharge will be determined by the Los Angeles Regional Water Quality Control Board. Preliminary consultations with the Regional Board indicate that expected brine quality is suitable for ocean discharge. Since brine quality will meet the limitations established in the National Pollution Discharge Elimination System (NPDES) permit for the discharge, the project will be consistent with the Ocean Plan.

No conflicts with existing environmental plans and policies have been identified for the project.

c) Be incompatible with existing land use in the vicinity?

The architecture of the proposed facilities will blend with existing structures. As designed, construction of water treatment facilities is consistent with the existing commercial, residential, and industrial uses (See 1.a.).

d) Affect agricultural resources or operations (e.g. impacts to soils or farmlands, or impacts from incompatible land uses)?

Neither the Sepulveda nor the Madrona desalter site are located in an area of agricultural land use, and thus will not affect agricultural resources or operations.

1. DISCHARGE PROHIBITIONS

- 1.1 The discharge of wastes other than the reverse osmosis reject brine and purge water from the wells, as proposed, is prohibited.
- 1.2 The purposeful or knowing discharge of polychlorinated biphenyls (PCBs) to waters of the State is prohibited.
- 1.3 The discharge of any radiological, chemical, or biological warfare agent or high level radiological wastes is prohibited.

2. EFFLUENT LIMITATIONS - The discharge of an effluent in excess of the following limitations is prohibited:

- 2.1 The pH of the discharge shall at all times be within the range of 6.0 and 9.0.
- 2.2 The temperature of the discharge shall not exceed 100°F.
- 2.3 Conventional and Nonconventional Pollutants

<u>Constituents</u>	<u>Units</u>	<u>Discharge Limitations</u>	
		<u>Monthly Average</u>	<u>Daily Maximum</u>
Total suspended solids	mg/L	50	150
	lbs/day ⁽¹⁾	934	2802
Turbidity	NTU	50	150
BOD ₅ 20°C	mg/L	20	30
	lbs/day ⁽¹⁾	374	560
Oil and grease	mg/L	10	15
	lbs/day ⁽¹⁾	187	280
Settleable solids	ml/L	0.1	0.3

For footnotes, see page 10

Exhibit 6
P 2
599 754

2.4 Toxic Constituents - (continued)

<u>Constituents</u>	<u>Units</u>	<u>Discharge Limitations⁽¹⁾</u>		
		<u>Monthly (30-Day Average)</u>	<u>Daily⁽²⁾ Maximum</u>	<u>Instantaneous⁽³⁾ Maximum</u>
Manganese	ug/L	--	--	100 ⁽⁵⁾
	lbs/day	--	--	1.87
Mercury	ug/L	0.08	0.32	0.096
	lbs/day	0.0002	0.006	0.002
Nickel	ug/L	5	20	50
	lbs/day	0.09	0.37	0.93
Selenium	ug/L	15	60	150
	lbs/day	0.28	1.12	2.80
Silver	ug/L	1.24	4.8	12
	lbs/day	0.02	0.09	0.22
Zinc	ug/L	32	128	320
	lbs/day	0.6	2.39	5.98
Total residual chlorine	ug/L	2	8	60
	lbs/day	0.04	0.15	1.12
Ammonia as N	ug/L	600	2400	6000
	lbs/day	11.21	44.84	112.09
Toxicity chronic ⁽⁶⁾	TUc	--	1	--

For footnotes, see page 10

Exhibit 6
 p4
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Footnotes

- [1] The mass emission calculations are based on the maximum flow of 2.24 million gallons per day (mgd).
- [2] The daily maximum effluent concentration limit shall apply to flow-weighted 24-hour composite samples.
- [3] The instantaneous maximum shall apply to grab samples determinations.
- [4] Discharger may at their option meet this objective as a total chromium objective.
- [5] Based on USEPA Water Quality Criteria. For protection of consumers of marine molluscs.
- [6] Expressed as Chronic Toxicity Units (TUc)

$$TUc = 100 / NOEC$$

Where : NOEC (No Observed Effect Concentration) is expressed as the maximum percent effluent or receiving water that causes no observable effect on a test organism, as determined by the result of a critical life stage toxicity test listed in Appendix II of the California Ocean Plan adopted and effective July 23, 1997, pages 23-24.

NOEC shall be determined based on toxicity tests having chronic endpoints.

- [7] Sum of 2-chlorophenol, 4-chloro-3-methylphenol, 2,4-dichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, and pentachlorophenol.

3. RECEIVING WATER LIMITATIONS

3.1. The discharge shall not cause the following to be present in receiving waters:

3.1.1 Toxic pollutants at concentrations that will bioaccumulate in aquatic life to levels that are harmful to aquatic life or human health;

5 99 454
Exh. 3.1.6
P 6

- 3.2.5 Residual chlorine at concentrations that persist in receiving waters at any concentration that impairs beneficial uses; and,
- 3.2.6 Any individual pesticide or combination of pesticides in concentrations that adversely affect beneficial uses of the receiving waters nor increase pesticide concentration in bottom sediments or aquatic life.
- 3.3. The discharge shall not alter the color, create a visual contrast with the natural appearance nor cause aesthetically undesirable discoloration of the receiving waters.
- 3.4. The discharge shall not degrade surface water communities including vertebrate, invertebrate, and plant species.
- 3.5. The discharge shall not damage, discolor, nor cause formation of sludge deposits on flood control structures or facilities.
- 3.6. The discharge shall not cause problems associated with breeding of mosquitos, gnats, black flies, midges, or other pests.

4. PROVISIONS AND REQUIREMENTS

- 4.1. This Order includes the attached *Standard Provisions and General Monitoring and Reporting Requirements (Standard Provisions)* [Attachment N]. If there is any conflict between provisions stated in this Order and the attached *Standard Provisions*, the provisions in this Order prevail.
- 4.2. This Order includes the attached *Monitoring and Reporting Program*. This program may be revised by the Executive Officer to implement the regional monitoring program. The Executive Officer may require the Discharger to participate in that regional monitoring program. If there is any conflict between provisions stated in the *Monitoring and Reporting Program* and the attached *Standard Provisions*, the provisions in the former prevail.
- 4.3. The Discharger shall maintain a copy of this Order at the waste disposal facility where it will be available at all times to operating personnel.
- 4.4. Prior to application, the Discharger shall submit for Executive Officer's approval the list of chemicals and proprietary additives that may affect the discharge, including rates/quantities of application, compositions, characteristics, and material safety data sheets, if any.

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Exhibit 6
PJ

GENERAL PROVISIONS

PERMIT NO. 99359-A

- 1. Permittee shall ensure that the party actual performing the work authorized by this permit has copies of the referenced Department Standards and A.P.W.A. Standards at least 48 hours before commencing the work.
- 2. Permittee shall be responsible for notifying his contractor and all subcontractors of the provisions of this permit. No work will be started until a copy of this permit is given to the contractor and each of his subcontractors. Further, the field copy of this permit will be maintained at the site of the work being done by each contractor.
- 3. Permittee is notified that under the terms of the Labor Code of the State of California, the permittee or his contractor may be required to acquire a permit from Cal OSHA code section 1503 if the work authorized herein involves excavation more than five feet (5') deep. The inspection provided by the Department can in no way be construed as a safety inspection.
- 4. Unless noted otherwise on this permit, all work authorized by this permit shall conform to the latest edition of the Standard Specifications for Public Works Construction, as amended, and published by Building News, Inc., 3055 Overland Avenue, Los Angeles, CA 90034 and the latest edition of the Los Angeles County Department of Public Works "Additions and Amendments to the Standard Specifications for Public Works Construction".
- 5. This permit is subject to such further conditions as the Chief Engineer or his representative may issue during the period of this use. When possible, such additional conditions shall be promptly delivered in writing to the address shown on page one of this permit. Conditions delivered orally of necessity shall be promptly confirmed in writing.
- 6. Upon satisfactory completion of construction, the District will assume responsibility for the operation and maintenance of the proposed facilities.
- 7. Permittee shall be responsible for the operation and maintenance of the proposed facilities until formally transferred to the District. Prior to the transfer of this drain to the Los Angeles County Flood Control District, adequate right of way to operate and maintain those portions of the drain not within public street right of way must be granted to the District.
- 8. Issuance of this permit shall not be construed as an obligation on the part of the District for operation and maintenance of the proposed facilities.
- 9. ~~The only authorized discharge is storm water.~~ The discharge of industrial waste or sewage is prohibited.
- 10. The authorized discharge shall conform to the requirements of the State of California Regional Water Quality Control Board, 101 Centre Plaza Drive, Monterey Park, CA 91754-2158; telephone (213) 256-7500.
- 11. Permittee shall notify the Department at (626) 458-4357 (24-hour number) of any and all discharges not authorized by this permit.
- 12. Permittee is advised that _____ is now under construction by _____. Before beginning work, permittee shall obtain permission from this Department's contractor so as to cause no extra work or expense to the Department or its contractor. No discharge into the District's drain will be permitted until the facility is completed and ready to accept storm flows.
- 13. Should work take place between October 15 and April 15, permittee shall obtain a long-range weather forecast before breaking into the main line storm drain. Construction of facilities connecting to the main line will be permitted only during a clear weather forecast that is acceptable to the Department's representative. Once operations under this permit are initiated, the work shall be conducted in a continuous manner until completed.
- 14. Abandoned connector pipe shall be sealed at both ends with eight (8) inch brick and mortar or six (6) inches of concrete and filled with solid or semi-solid inert material.
- 15. All inlet openings shall be provided with protection bars spaced to provide an opening that does not exceed six (6) inches.
- 16. Connections shall be located so that there is no discharge upon the manhole steps or the catch basin steps.
- 17. Steel, concrete, reinforced concrete, polyvinyl chloride, or acrylonitrile-butadiene-styrene pipe may be used for the connection(s) to the District's facilities.
- 18. Pipe bedding shall be in accordance with Department Standard Drawing No. 3080-0.
- 19. The letters "LACFCD" shall not be on the manhole covers and/or catch basin lids.

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Exhibit 7
Public Works
Permit