

of Los Angeles, Watershed Management Area (WMA) municipalities, and Southern California Coastal Water Research Project (SCCWRP) to investigate storm water impacts on the Los Angeles River, San Gabriel River, and the Los Cerritos Channel, when conducting its monitoring program.

2. The Executive Officer shall by January 1, 2001, after conferring with the Permittees in each watershed, develop and approve a cost-sharing formula that allocates a fair share for monitoring costs to each watershed participant.
3. The Permittee shall participate with (SCCWRP) in regional storm water studies.

C. Implementation

1. The Permittee shall implement in its entirety the Long Beach Monitoring Program adopted with this permit and approved modifications made during the term of the permit.

D. Modification

1. The Regional Board Executive Officer or the Regional Board, consistent with 40 CFR 122.41, may approve changes to the LB Monitoring Program, after providing the opportunity for public comment, either:
 - a. By petition of the Permittee or by petition of interested parties after the submittal of the Annual Monitoring Program Report. Such petition shall be filed not later than 60 days after the Annual Monitoring Program Report submittal date, or
 - b. As deemed necessary by the Regional Board Executive Officer following notice to the Permittee.

III. **Program Reporting and Evaluation**

A. Reporting

1. The Permittee shall submit an Annual Storm Water Permit Report and Assessment to the Regional Board Executive Officer annually on December 1. The first Annual Storm Water Report and Assessment shall be due on December 1, 2000. The Annual Storm Water Permit Report and Assessment will include the information necessary to assess the Permittee's compliance status relative to this Order, and the effectiveness of implementation of permit requirements on storm water quality.

2. At a minimum the Annual Storm Water Permit Report and Assessment will include the following:

- a. Status of compliance with permit requirements including implementation dates for all time-specific deadlines. If permit deadlines are not met, the Permittee shall report the reasons why the requirement was not met, how the requirements will be met in the future, including projected implementation date;
- b. An assessment of the effectiveness of permit requirements to reduce storm water pollution. This assessment will be based upon the specific record-keeping information requirement in each major section of the permit, monitoring data, and any other data the Permittee has, or is aware of that provides information on permit effectiveness; and
- c. An analysis of the data to identify areas of the City which cause or contribute to exceedances of water quality standards or objectives, the predominate land uses in these areas, and potential sources of pollutants in those areas.

B. Public Information and Participation

1. Description of activities on distributing brochures, community outreach efforts, public communication efforts and, educational programs in schools, including, where appropriate, an estimate of the public and student populations reached; and,
2. Number of industrial and commercial site visits in the past year including the number of businesses the City has identified that have failed to file a Notice of Intent (NOI).

C. Illicit Discharges

1. For each illicit discharge the Permittee must report the reason for the discharge and the action taken to prevent similar discharges from occurring.

D. Illicit Connections

1. Number of illegal connections identified in the past year;
2. Number of illegal connections eliminated in the past year; and,
3. Number and type of enforcement actions, applicable to storm water enforcement, taken in the past year.

E. Development Construction

1. Number of construction projects requiring SWPPPs in the past year
2. Number of inspections in the past year; and,
3. Number and type of enforcement actions, applicable to storm water enforcement, taken at construction sites in the past year.

F. Development Planning

1. Scheduled date of significant rewrite of the Permittee's General Plan;
2. Description of the developer information program and assessment of its effectiveness; and,
3. Number of development projects for which SUSMPs were completed and the percentage of total development projects approved by the Permittee for which a SUSMP was completed since the permit was adopted and in the past year.

G. Storm Water Management Program Budget

1. Fiscal Resources

- a. The Permittee shall prepare annually a storm water budget update on resources dedicated to the storm water program. This budget report shall include an estimated baseline budget (based on 1989 data if available), and annual updates identifying the budget expenditures for the storm water management program. At a minimum the specific categories to be detailed are noted below:

- i. Program management
- ii. Illicit connections/illicit discharge
- iii. Development planning/development construction
- iv. Construction inspection activities
- v. Public Agency Activities
 - Operations and Maintenance
 - Municipal Street Sweeping
 - Fleet and Public Agency Facilities
 - Landscape and Recreational Facilities
- vi. Capital Costs
- vii. Public Information and Participation
- viii. Monitoring Program
- ix. Other

H. Storm Water Monitoring Report

1. The Permittee shall submit a Storm Water Monitoring Report on July 15, 2000 and annually on July 15, thereafter. The report shall include:

- a. Status of implementation of the monitoring program;
- b. Results of the monitoring program; and,
- c. Interpretation of the results include analyses of trends, land-use contributions, and BMP effectiveness.

Part 4 SPECIAL AND STANDARD PROVISIONS

I. Special Provisions

A. General

1. Requirements of the permit will take effect immediately (except where otherwise specifically stated in this permit).
2. Requirements of the LBSWMP shall be implemented no later than December 30, 1999, unless a different implementation date is provided in this Order.
3. The Permittee shall coordinate and participate with those Watershed Management Committees formed pursuant to Board Order No. 96-054 within whose watersheds the City of Long Beach's drainage area lies.
4. The Permittee shall develop for distribution a consolidated document with a municipal code cross-reference matrix and current municipal codes for enforcement of the LBSWMP.
5. The Permittee shall submit a report to the Regional Board Executive Officer by January 1, 2000, on the Permittee's evaluation of the need for a comprehensive storm water ordinance, and, if a comprehensive storm water ordinance is not recommended, present the basis of its determination to not develop such an ordinance.

B. Illicit Connections

1. The Permittee shall eliminate all illicit connections the Permittee becomes aware of through City inspections or public reporting within 6 months after the Permittee gains knowledge of the connection.

APPENDIX C
STORM WATER MONITORING
PROGRAM
CITY OF LONG BEACH

A. Monitoring Plan

The Permittee shall prepare, maintain, and update, if necessary, a monitoring plan which shall include at a minimum, the following:

1. Quality control, quality assurance, data collection, storage and analyses, and detection limits;
2. All sample collection, handling, storage, and analyses in accordance with 40 CFR 136;
3. Location of monitoring stations, constituents, and sampling frequency;
4. Targeted monitoring indicators (e. g., ecosystem, biological diversity, in stream toxicity, habitat, chemical, sediment, stream health) chosen for monitoring;
5. Statistical methods used to design studies, conduct sampling, and interpret data;
6. A description of the role and responsibilities of all the participants in monitoring studies
7. A description of computer software and modeling programs that will be utilized to assess data, interpret information; and
8. A general description of how data are intended to be utilized for feedback into the storm water management program.

An up-to-date Monitoring Plan shall be submitted to the Regional Board Executive Officer, when so requested.

B. Monitoring Program

1. The following monitoring program is designed to meet the objectives as stated in this Order:
 - a. Beginning Year 1, the Permittee will monitor and test for mass emissions and toxicity at three representative storm drain sites, utilizing end of pipe outfall testing.
 - b. In Year 1, the Permittee will monitor one receiving water body (Alamitos Bay) and conduct water column testing for bacteria and toxicity near the dry-weather diversion storm drain outfall.
 - c. In Year 2, the Permittee will monitor one receiving water body (Alamitos Bay) and report on the effectiveness of the dry weather diversion on water quality.

- d. Beginning Year 3, the Permittee will monitor and test for mass emissions and toxicity at a site on Los Cerritos Channel.
- e. In Years 3 through 5, the Permittee proposes to co-fund plume, benthic and toxicity studies, based on "fair share" participation as designated by the Los Angeles Regional Water Quality Control Board (Regional Board) for receiving waters in the Los Angeles River and San Gabriel River watersheds.
- g. The Permittee will monitor mass emission stations according to the following schedule provided there are sufficient storm events during the season:

<u>Storm Season</u>	<u>Number of Stations</u>	<u>Number of Events/Storm Season</u>
1999-2000	Three	Two dry-weather, four wet-weather
2000-2001	Three	Two dry-weather, four wet-weather
2001-2004	Four + n	Two dry and four wet-weather + n

n is to be determined by "fair share" allocation in Year 3.

2. Mass Emission Station Monitoring

- a. The Permittee shall monitor a total of four mass emission stations: three stations (Dominguez Gap, Bouton Creek and Alamitos Bay) beginning the 1999-2000 monitoring season and the fourth (Los Cerritos Channel) beginning in the Year 2000-2001 monitoring season. Additional monitoring for the Los Angeles River and San Gabriel River watersheds is dependent on "fair share" allocation by the Regional Board. The Permittee will monitor up to six station events per year including dry weather sampling.
- b. All samples for mass emissions monitoring may be taken with an automatic sampler or equivalent except for the following constituents: (i) pathogen indicators and (iii) oil and grease. These constituents must be collected as grab samples, unless the Regional Board approves an alternative method after request. The samplers shall be set to monitor storms totaling 0.25 inches or greater of rainfall. The constituents to be analyzed are listed on page C-5 through C-9.
- c. If a constituent is not detected at the method detection limit (MDL) for its respective test method listed on pages C-5 through C-9 in more than 75 percent of the first 48 sampling events, it will not be further analyzed unless the observed occurrences show concentrations greater than state water quality standards. The Permittee will also conduct annual confirmation sampling for non-detected constituents at each station for as long as the station is monitored.

3. Receiving Waters Study

- a. The Permittee will conduct one receiving water study during the 1999-2000 and 2000-2001 monitoring season to evaluate the effectiveness of dry weather diversion.
- b. The Permittee proposes, in Years 3 through 5, in conjunction with other "fair share" participants, to fund a study of receiving waters for Los Angeles River and San Gabriel River watersheds. The purpose of the study will be to study the impacts, if any, of storm