#### 5.0 MUNICIPAL ACTIVITIES

#### 5.1 Introduction

The Permittees own and operate facilities and build and maintain much of the transportation, drainage and recreational infrastructure of the urban environment. The primary purpose of **DAMP Section 5.0** is to ensure that, through a systematic process of evaluation, BMPs are incorporated into these activities. **DAMP Section 5.0** also requires a commitment to implement Integrated Pest Management (IPM) approaches. In addition, **DAMP Appendix C** requires performance reporting related to a number of Established BMPs that have been recognized, since the inception of the Program, as significant contributors to pollutant load reduction.

## 5.2 Accomplishments

### 5.2.1 <u>Model Municipal Activities Program</u>

The Model Municipal Activities Program was developed and implemented in 2002-03 and replaced the environmental performance reporting program of the Second Term Permits. It establishes a framework for conducting a systematic program of evaluation and BMP implementation targeting fixed facilities, field programs and drainage facilities. The Model Municipal Activities Program requires the Permittees to:

• Compile facility and program inventories:

2,302 facilities have been reported as inventoried (2004-05 reporting period) and are subject to the program (**Table 5.2**; **Figure 5.1**).

 Prioritize facilities and programs based upon water quality threat and receiving water sensitivity:

There are a reported 1,070 high priority, 126 medium priority, and 1,106 low priority municipal facilities (**Table 5.2**; **Figure 5.1**)

Establish model maintenance procedures:

Sets of BMP factsheets were produced for Fixed Facilities (13 factsheets), Field Programs (7 fact sheets) and Drainage Facilities (1 fact sheet). The factsheets are available at

http://www.ocwatersheds.com/StormWater/documents\_damp\_lip.asp (Section 5 of the County of Orange/Orange County Flood Control District 2005-06 Local Implementation Plan).

• Conduct inspections:

Standard general and activity specific inspection forms have been developed for Fixed Facilities, Field Programs and Drainage Facilities. In addition, by the end of 2006, 2,326 municipal facilities were reported as having been inspected for stormwater issues (**Table 5.3**).

## Implement BMPs:

At the end of the 2004-05 reporting period, 1,968 municipal facilities were determined to have full BMP implementation (**Table 5.3**).

### Undertake training:

Three training modules have been developed, specifically, Municipal Activities program Training, Fixed Facility Model Maintenance Procedure Training and Field Program Model Maintenance Procedure Training.

## 5.2.2 Model Integrated Pest Management, Pesticide and Fertilizer Guidelines

Landscaping is best managed using an integrated system of tactics that include biological, mechanical, physical, cultural, and chemical control. This system, known as IPM, relies on careful monitoring of the plants to identify when a chemical or other control action should be taken. In June 2001, the Principal Permittee entered into a five-year agreement with the University of California Cooperative Extension (UCCE) to conduct water quality monitoring studies and implement water quality improvement programs in areas where the University has special expertise, particularly related to fertilizer and pesticide applications (Note: On May 10, 2005, the agreement was revised and extended for up to six additional years). In close cooperation with the UCCE, Model IPM, Pesticide and Fertilizer Guidelines were completed in 2002-03. The Guidelines require the Permittees to:

### Conduct IPM self-audits:

With oversight and assistance from UCCE, the Permittees have completed selfaudits of the Model IPM, Pesticide and Fertilizer Management Guidelines implementation. Audits have been conducted annually as part of annual progress reporting.

• Implement the Model IPM, Pesticide and Fertilizer Management Guidelines based upon IPM principles:

Fifty-seven percent (57%) of the Permittees are able to report that they operate under a formal written IPM policy.

Thirty-five (35) Permittees reported that approximately 363,146 pounds of nitrogen were applied to 6,862 acres of public land during the 2004-05 reporting period representing a third consecutive year of reduction (the 2005-06 figure represents a 2% decrease from the pounds per acre of nitrogen usage in 2003-04; a decrease of 27% from 2002-03; and a 12% decrease from 2001-02) (**Table 5.4**).

During the 2004-05 reporting period, approximately 19,227 pounds of active ingredients (AI) of pesticides were applied by the Permittees representing a 30% reduction in use since the inception of the program (**Table 5.3**).

## Undertake Training:

Training has been provided annually.

### 5.2.3 Established BMPs

Performance indicators for certain Established BMPs have been tracked since the inception of the Model Municipal Activities Program. These BMPs are street sweeping, solid waste collection, catch basin stenciling, drainage facility maintenance, trash & debris Control (formerly litter control), household hazardous waste collection, and used oil grant participation.

### • Street Sweeping:

All Permittees maintain street sweeping programs in residential, commercial and/or industrial areas. In 1993 the Permittees compiled information regarding their existing street sweeping schedules and practices and have subsequently changed elements of their programs such as the types of sweepers purchased, the frequency of sweeping, and the use of parking restrictions in order for the street sweeping program to aid in water quality improvements.

85,516 tons of material was removed from the streets and gutters during the 2004-05 reporting period. This effort appears to represent a 12% increase for weight of material collected over the previous reporting period and a 25% increase over the tons of material reported in 2002-03. This amount represents a 87% increase in the weight of material collected over the 2001-02 total, indicating a marked increase in effort in this area of infrastructure maintenance in the Third Term Permit cycle. (Table 5.5; Figure 5.2).

## • Solid Waste Collection:

The Permittees have solid waste collection programs for public, residential, commercial and industrial areas.

3,959,590 tons of solid waste was collected during the 2004-05 reporting period. This effort appears to represent a 9.1% increase in the amount of solid waste collected over the previous reporting period, an 8.8% increase over the reported total in 2002-03, and a 7.0% increase over the reported total in 2001-02 (Table 5.6; Figure 5.3).

### Catchbasin Stenciling:

Over 37,000 stormdrain inlets have been stenciled. Each year 6,000 – 9,000 inlets are re-stenciled.

## • Drainage Facility Maintenance:

The Permittees inspect the drainage system within their jurisdictions annually and clean out accumulated debris on an as needed basis. Removal of accumulated debris and sediment is carried out either manually or by mechanical methods using flushing – in emergency situations only – in accordance with established maintenance procedures (Model Maintenance Procedure DF-1). By removing this material from the catch basin inlets and stormdrain system, the Permittees make a significant contribution in preventing the passage of these materials in downstream receiving waters.

5,612 tons of debris was removed from drainage facilities in 2004-05. This amount represents a 43% decrease in the amount of debris collected from drainage facilities when compared to the previous reporting period, a 77% decrease in the amount collected in 2002-03 and a 6.5% decrease in the amount collected in 2001-02 (The 2002-03 reported total suggests inconsistent reporting of this Indicator or other environmental factors such as Santa Ana winds) (Table 5.7; Figure 5.2; Figure 5.3).

#### • Trash & Debris Control:

Trash and debris control is an important element in the diversion of litter and other solid materials from the storm drain system. Although most Permittees historically viewed litter control as a public service program (i.e., preventing visual blight, etc.), rather than as a pollution control problem, it is now considered important as a visual indicator of water quality and an aspect of the recreational use of a waterbody.

Eleven (11) trash and debris booms have been installed in flood control channels and harbors to recover floatable material.

Inner-Coastal and Watershed Cleanup Day, which engages the public directly in the cleanup of trash and debris, has been heavily promoted by the Orange County Stormwater Program. In 2002, 1,722 volunteers joined in and collected 29,503 pounds of trash and 5,350 pounds of recyclables. In 2003, 2,473 volunteers collected 52,474 pounds of trash and 5,447 pounds of recyclables at 37 sites. In 2004, 6,001 volunteers collected 78,390 pounds of trash and 9,563 pounds of recyclables at 38 sites. In 2005 the number of clean-up sites increased to 43.

The Permittees have participated in the preparation of a number of strategic assessments of litter control efforts including *A Review Of Current Trash Pollution and Mitigation Efforts in Orange County: Final Report January* 2006 prepared under

the auspices of the Trash & Debris Task Force and the Algalita Marine Foundation/California Coastal Commission *Plastic Debris: Rivers To Sea* initiative in which the Principal Permittee was represented on the advisory board.

#### • Household Hazardous Waste Collection:

Orange County has a household hazardous waste collection program administered by the Integrated Waste Management Department (IWMD). The program comprises four sites (Anaheim, Huntington Beach, San Juan Capistrano, and Irvine).

A total of 6,303,938 pounds of household hazardous waste was collected in the 2004-05 reporting period representing a 9.8% increase from the previous reporting period, a 48.7% increase from the 2002-03 reporting period, and 68.7% increase from the 2001-02 reporting period (**Table 5.8**; **Figure 5.6**).

### • Used Oil Grant Participation:

Most of the Permittees, as well as the County's Health Care Agency, currently implement used oil recycling programs. These programs involve comprehensive public outreach including television and newspaper advertising, displays at community events, and the distribution of used oil containers at no cost to residents.

Twenty seven (27) Permittees reported having a Used Oil Grant participation program for 2004-05, 28 Permittees in 2003-04 and 27 Permittees in 2002-03 (Table 5.9; Figure 5.7).

#### 5.3 Assessment

The current and potential program effectiveness assessment outcome levels for the Municipal Activities Program are presented in **Table 5.1a** (Model Municipal Activities Program) and **Table 5.1b** (Model IPM and Fertilizer Guidelines).

## 5.3.1 <u>Model Municipal Activities Program</u>

The Model Municipal Activities Program superceded the Environmental Performance Reporting (EPR) program of the Second Term Permits. Nonetheless, elements of the EPR program were carried over into the **2003 DAMP**. The **ROWD** is therefore recognized by the Permittees as an opportunity to eliminate the redundant vestiges of the prior inspection and oversight program.

The fixed facility inventory has fluctuated significantly over the reporting period (see **Table 5.2**) pointing to the need for the better definition of key program terms.

**Indicator – Prioritization of Facilities**: For 2004-05, 2,302 industrial facilities were prioritized, 46% of which were ranked as high priority; for 2003-04, 2,418 industrial facilities were prioritized, 49% of which were ranked as high priority; and for 2002-03, 2,380 industrial facilities were prioritized, 46% of which were ranked as high priority **(Table 5.2)**.

Level 3: Behavior Change

In addition, the number of designated "high priority" facilities has remained at approximately 1,100 annually (**Table 5.2**) despite the initial intention for the program to be risk-based and the significant level of BMP implementation (i.e. risk mitigation) that has occurred over the period of the Third Term Permits. It is also apparent that the application of a "high priority" designation has varied significantly between the Permittees, reflecting both different SAR and SDR Permit requirements and individual Permittee interpretations of the prioritization process.

#### **DAMP Modification:**

- Eliminate Environmental Performance Reporting (EPR) program (which is duplicative of Model Municipal Activities Program).
- Define "fixed facilities," "field programs," and "drainage facility sites."

### **ROWD Commitment:**

 Standardize SDR and SAR definitions of "high priority" and develop prioritization process that is better predicated on the threat (diminished by BMP implementation) posed by the facility, and considers the presence of "constituents of concern."

### 5.3.2 <u>Model Integrated Pest Management, Pesticide and Fertilizer Guidelines</u>

The majority of fertilizers are applied to turfgrass with a smaller amount utilized on landscape material (trees, shrubs, groundcovers, and vines). Countywide, municipal fertilizer use has declined. However, other indicators of a shift toward more of an IPM-

oriented approach show little change; e.g. utilization of slow-release fertilizers, timing of fertilizer applications, and use of soil analyses.

Headline Indicator –Reduction in Total Fertilizer Usage (Nitrogen): Thirty-five Permittees (35) reported that approximately 363,146 pounds of nitrogen were applied to 6,862 acres of public land during the 2004-05 reporting period (53 lbs/acre). This figure represents a 2% decrease from the pounds per acre of nitrogen usage in 2003-04; a decrease of 27% from 2002-03; and a 12% decrease from 2001-05.

Level 3: Behavior Change

**Headline Indicator – Reduction in Total Fertilizer Application (Phosphorus)**: Thirty-five Permittees reported that 81,600 pounds of phosphorus were applied to 6,862 acres of public land during the 2004-05 reporting period (12 lbs/acre). This figure represents a 20% decrease from the pounds per acre of phosphorus applied in 2003-04; a decrease of 33% from 2002-03; and an 8% decrease from 2001-05.

Level 3: Behavior Change

There also appears to have been an overall reduction in pesticide use. However, as with fertilizer use, other indicators (e.g. equipment calibration, clean-up of overspray, use of non-chemical pest control methods) show little change. The absence of a trend in these indicators shows that factors other than the adoption of IPM approaches (e.g. budgetary constraints) may be the more significant in explaining the overall reduction in pesticide use. Indeed, toward the end of the current Permit term, only fifty-seven percent (57%) of the Permittees are able to report that they operate under a formal written IPM policy.

**Headline Indicator – Reduction in Pesticide Application:** During the 2004-05 reporting period, approximately 19,227 pounds of active ingredient of pesticides was applied by Permittees. This represents an approximately 30% decrease in pounds of pesticide applied compared to 25,022 pounds of active ingredient pesticides applied in 2003-04, and 24,750 pounds of active ingredient applied in 2002-03.

Level 3: Behavior Change

#### **ROWD Commitment:**

- Develop Model Integrated Pest Management, Pesticide and Fertilizer Guidelines into a Model Program (rather than guidelines) with implementation goals and including model contract language.
- Redefine IPM (pesticide use) indicators.

## 5.3.3 <u>Established BMPs</u>

An annual evaluation of the routine preventive maintenance activities is conducted and, where appropriate, improvements or new practices are implemented to further reduce the amount of pollutants discharged into the storm drain system. An important component of this evaluation process is the documentation and collection of data related to these selected activities.

Trash and Debris Controls (formerly Litter Control)

There are currently three aspects to trash and debris control that have been reported over the period of the Third Term Permits, specifically, the deployment of trash and debris booms, public participation in Inner-Coastal and Watershed Cleanup Day, and an enhanced program of catchbasin cleaning.

Currently, eleven (11) trash and debris booms have been installed in flood control channels and harbors to recover floatable material. However, the Permittees recognize that the stormdrain infrastructure provides for retrofit opportunities in other areas. Indeed, a number of recent technical reports prepared by the Permittees and Coastal Commission examining technologies for trash and debris control, as well as extensive independent jurisdictional experience with inlet devices, establish a basis for the development of policy recommendations in this area.

## **ROWD Commitment:**

 Develop recommendations for the selection and installation of drain inlet screens.

Every year the California Coastal Commission and Trails-4-All sponsor the Inner-Coastal and Watershed Cleanup Day to help cleanup the trash and debris that accumulates along the coastline, fouling the beaches and tidal zone. This event has been sponsored and heavily promoted by the Orange County Stormwater Program. In 2002, 1,722 volunteers joined in and collected 29,503 pounds of trash and 5,350 pounds of recyclables. In 2003, 2,473 volunteers collected 52,474 pounds of trash and 5,447 pounds of recyclables. In 2004, 6,001 volunteers collected 78,390 pounds of trash and 9,563 pounds of recyclables. In 2005, the number of clean-up sites increased to 43. The sustained year-to-year increases in public participation and material recovery point to the effectiveness of the Permittees' efforts in promoting this event.

Catchbasins are inspected annually and cleaned as appropriate. In the 2004-05 reporting period 86% of the catchbasin inventory in Orange County was cleaned, the highest level in the first three years of the Third Term Permits.

#### Solid Waste Collection

During the last reporting period, 35 Permittees reported the collection of nearly 4.0 million tons of solid waste. This effort compares to the total of 3.62 million tons of solid waste reported by 30 Permittees in 2003-04, 3.64 million tons of solid waste reported by 26 Permittees in 2002-03, and 3.70 million tons of solid waste reported by 33 Permittees in 2001-05. While the Permittees encourage the public, through education and outreach, to properly dispose of their trash, and this encouragement may be contributing to the increased level of collection in the most recent reporting period, there are significant discrepancies in the year-to-year reporting of individual jurisdictions.

**Headline Indicator – Solid Waste Collection**: 3,959,590 tons of solid waste was collected during the 2004-05 reporting period. This effort appears to represent a 9.1% increase in the amount of solid waste collected over the previous reporting period, an 8.8% increase over the reported total in 2002-03, and a 7.0% increase over the reported total in 2001-05.

In addition to education, the Permittees have considered the extent to which the cradle-to-grave management of solid waste can be improved to increase the effectiveness of collection efforts. This consideration has identified municipal oversight of contract solid waste collection and disposal as another area for possible improvements in service effectiveness.

#### **ROWD Commitment:**

 Develop model language for municipal trash collection and haulage contracts that addresses water quality protection issues.

### Drainage Facility Maintenance

Drainage facilities are an integral component of the Model Municipal Activities Program and, as high priority facilities, subject to annual inspection. While the reported total length of drainage facilities has increased over successive years, the amount of material recovered has decreased. This reduction may reflect the increasing effectiveness of source controls and the impact of changing management practices such as street sweeping on concrete channels. However, both inconsistent year-to-year reporting and the profound influence of environmental variables (e.g. prevalence of Santa Ana wind conditions and severity of the wet season) may also be explanatory factors.

**Headline Indicator - Drainage Facility Maintenance**: 5,612 tons of debris was removed from drainage facilities during the 2004-05 reporting period. This amount represents a 43% decrease in the amount of debris collected from drainage facilities when compared to the previous reporting period, a 77% decrease in the amount collected in 2002-03 and a 6.5% decrease in the amount collected in 2001-02.

## Street Sweeping

The year-to-year increases in the amount of material recovered from the urban environment by street sweeping suggest success regarding the Permittees' efforts to continue to improve the effectiveness (e.g. increasing use of drain inlet screens, regenerative air sweepers, parking controls etc.) of this maintenance practice.

**Headline Indicator - Street Sweeping**: 85,516 tons of material was removed from the streets and gutters during the 2004-05 reporting period. This effort appears to represent a 12% increase for weight of material collected over the previous reporting period and a 25% increase over the tons of material reported in 2002-03. This amount represents an 87% increase in the weight of material collected over the 2001-02 total, indicating increasing effectiveness in this area of infrastructure maintenance in the Third Term Permit cycle.

Table 5.1a: Current and Potential Outcome Levels (Municipal Activities)

Effectiveness Assessment Outcome Levels												
Level 1	Level 2	Level 3	Level 4	Level 5	Level 6							
Implement Program	Increase Awareness	Behavior Change	Load Reduction	Runoff Quality	Receiving Water Quality							
✓ Maintain Inventory												
✓ Assign Priorities		✓Change in prioritization level										
✓Conduct and track # of inspections		✓ # BMPs implemented	P Load reduction associated with BMPs									
✓ Track number/type of training sessions	P Surveys show improved knowledge											
	Implement Program  ✓ Maintain Inventory  ✓ Assign Priorities  ✓ Conduct and track # of inspections  ✓ Track number/type of	Implement Program  ✓ Maintain Inventory  ✓ Assign Priorities  ✓ Conduct and track # of inspections  ✓ Track number/type of  Increase Awareness  F Surveys show improved	Implement Program       Increase Awareness       Behavior Change         ✓ Maintain Inventory       ✓ Change in prioritization level         ✓ Conduct and track # of inspections       ✓ # BMPs implemented         ✓ Track number/type of       P Surveys show improved	Implement Program       Increase Awareness       Behavior Change       Load Reduction         ✓ Maintain Inventory       ✓ Change in prioritization level         ✓ Conduct and track # of inspections       ✓ # BMPs implemented       P Load reduction associated with BMPs         ✓ Track number/type of       P Surveys show improved	Implement Program       Increase Awareness       Behavior Change       Load Reduction       Runoff Quality         ✓ Maintain Inventory       ✓ Change in prioritization level       ✓ Change in prioritization level         ✓ Conduct and track # of inspections       ✓ # BMPs implemented       P Load reduction associated with BMPs         ✓ Track number/type of       P Surveys show improved       P Surveys show improved							

## Key:

<sup>✓ =</sup> Currently Achieved Outcome Level

P = Potentially Achievable Outcome Level

Table 5.1b: Current and Potential Outcome Levels (Municipal Activities)

		Ef	fectiveness Assess	ment Outcome Leve	els	
Model IPM and Fertilizer	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
Guidelines	Implement Program	Increase Awareness	Behavior Change	Load Reduction	Runoff Quality	Receiving Water Quality
Model IPM	✓ Formal Policy		✓Reduction in pesticide use			
Fertlizer Guidelines	<sup>P</sup> Formal Policy		✓Reduction in fertilizer use			
Training	✓ Track number/type of training sessions	<sup>P</sup> Surveys show improved knowledge				

## Key:

✓ = Currently Achieved Outcome Level

P = Potentially Achievable Outcome Level

Table 5.2: Countywide Permittees' Fixed Facility Inventory and Prioritization

Permittee	Low	Low	Low	Medium	Medium	Medium	High	High	High	Total	Total	Total
Permittee	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05
Aliso Viejo	0	1	0	0	0	0	1	0	1	1	1	1
Anaheim	99	63	0	0	0	0	15	0	62	114	63	62
Brea	27	30	31	0	0		1	1		28	31	31
Buena Park	3	14	14	15	0	0	2	5	5	20	19	19
Costa Mesa	51	51	51	0	0		10	10	10	61	61	61
Cypress	17	14	14	8	8	8	1	1	1	26	23	23
Dana Point	14	13	13	0	0	0	8	9	10	22	22	23
Fountain Valley	28	28	28	0	0		1	1		29	29	28
Fullerton	90	94	94	0	0		1	1	1	91	95	95
Garden Grove	55	55	55	1	1	1	0	0		56	56	56
Huntington Beach	66	78	79	2	7	7	12	8	8	80	93	94
Irvine	39	39	44	12	12	12	1	3	3	52	54	59
La Habra	39	31	31	0	15	15	3	7	7	42	53	53
La Palma	1	1	2	1	1	1	2	2	1	4	4	4
Laguna Beach	46	46	46	48	45	46	73	75	74	167	166	166
Laguna Hills	0	0	0	0	0	0	20	20	20	20	20	20
Laguna Niguel	15	15	18	0	0		19	19	39	34	34	57
Laguna Woods	3	3	3	0	0		1	34	1	4	37	4
Lake Forest	7	0	0	0	0	0	0	8	9	7	8	9
Los Alamitos	14	14	14	NA	0	0	116	127	0	130	141	14
Mission Viejo	40	40	40	2	2	2	25	23	22	67	65	64
Newport Beach	20	21	21	1	1	1	4	4	4	25	26	26
Orange	27	26	29	25	29	29	2	2	2	54	57	60
Placentia	25	35	35	9	0		1	1	1	35	36	36
R S Margarita	3	0	4	0	0		669	669	669	672	669	673
San Clemente	73	20	73	0	19	0	17	51	17	90	90	90
S J Capistrano	18	18	18	0	0	0	38	38	38	56	56	56
Santa Ana	108	112	116	1	1	1	1	1	1	110	114	118
Seal Beach	32	32	39	0	0	0	3	3	5	35	35	44
Stanton	NA	19	19	NA	0	0	NA	1	1	NA	20	20
Tustin	24	22	22	0	0	0	4	4	4	28	26	26
Villa Park	0	1	1	0	0	0	2	1	1	2	2	2
Westminster	28	28	28	0	0	0	1	1	1	29	29	29
Yorba Linda	34	29	29	0	3	3	3	2	2	37	34	34
County of Orange	102	101	95	0	0	0	50	48	50	152	149	145
TOTALS	1,148	1,094	1,106	125	144	126	1,107	1,180	1,070	2,380	2,418	2,302

**Table 5.3: BMP Implementation** 

PERMITTEE	FULLY Implemented 2002-03	FULLY Implemented 2003-04	FULLY Implemented 2004-05	PARTIALLY Implemented 2002-03	PARTIALLY Implemented 2003-04	PARTIALLY Implemented 2004-05	No BMPs Implemented 2002-03	No BMPs Implemented 2003-04	No BMPs Implemented 2004-05
Aliso Viejo	5	11	9	NA	0	0	NA	0	
Anaheim	147	52	65	NA	9	13	NA	0	
Brea	18	NA		0	NA	1	0	NA	
Buena Park	756	16	151	0	2	102	0	0	29
Costa Mesa	7	8	8	3	2	2	0	0	
Cypress	21	0		2	1	1	NA	0	
Dana Point	NA	NA	19	NA	NA	4	NA	NA	
Fountain Valley	79	51	53	2	0		2	0	
Fullerton	84	95	95	NA	0		NA	0	
Garden Grove	6	53	55	0	3	1	0	0	
Huntington Bch.	69	4	79	5	9	19	1	5	3
Irvine	54	54	59	0	0		0	0	
La Habra	0	1	29	4	2	26	NA	0	16
La Palma	1	1	1	3	3	3	0	0	
Laguna Beach	NA	NA	74	NA	NA		NA	NA	
Laguna Hills	16	20	35	2	0		0	0	
Laguna Niguel	NA	6	7	NA	12	29	NA	0	
Laguna Woods	3	6	3	1	7	3	NA	0	
Lake Forest	7	8	9	0	0		0	0	
Los Alamitos	NA	140	141	NA	1		NA	0	
Mission Viejo	23	23	28	26	44	25	18	0	
Newport Beach	8	19	19	0	7	7	0	0	
Orange	39	58	63	0	0		0	0	
Placentia	28	0		7	34	32	NA	0	
R S Margarita	672	669	673	0	0		0	0	
San Clemente	NA	NA		NA	NA		NA	NA	
S J Capistrano	54	56	37	0	0		0	0	
Santa Ana	NA	114	117	NA	0	1	NA	0	
Seal Beach	NA	NA		NA	NA		NA	NA	
Stanton	NA	20	19	NA	0	1	NA	0	
Tustin	NA	12	20	NA	31	23	NA	0	
Villa Park	0	0	0	2	2	0	0	0	1
Westminster	28	29	29	1	0		0	0	
Yorba Linda	2	29	14	0	15		0	0	
County of Orange	9	19	57	7	57	16	0	5	0
TOTALS	2,136	1,574	1,968	65	241	309	21	10	49

Table 5.4: 2004-05 Fertilizers and Amounts Applied By Permittee

			2002-03					2003-04					2004-05		$\overline{}$
Permittee	Acres	Total N	Total P	N/acre	P/acre	Acres	Total N	Total P	N/acre	P/acre	Acres	Total N	Total P	N/acre	P/acre
Aliso Viejo	6.0	0.0	0.0			6.0	220.0	30.0	36.7	5.0	6.0	220.0	30.0	36.7	5.0
Anaheim	771.0	19,197.6	3,826.0	3,199.6	637.7	609.0	16,895.6	3,977.9	27.7	6.5	311.0	13,852.0	3,429.4	44.5	11.0
Brea	75.0	1,955.4	692.4	325.9	115.4	84.0	808.7	205.9	9.6	2.5	118.7	1,049.3	247.5	8.8	2.1
Buena Park	162.0	160.0	60.0	26.7	10.0	125.0	4,405.0	855.0	35.2	6.8	55.0	23,505.0	855.0	427.4	15.5
Costa Mesa	200.0	11,340.0	3,780.0	1,890.0	630.0	200.0	23,450.8	5,700.0	117.3	28.5	200.0	12,127.0	1,878.0	60.6	9.4
Cypress	69.0	420.0	140.0	70.0	23.3	69.0	23,450.8	5,700.0	339.9	82.6	9.0	210.0	70.0	23.3	7.8
Dana Point	50.0	4,800.0	720.0	800.0	120.0	50.0	4,800.0	720.0	96.0	14.4	50.0	960.0	360.0	19.2	7.2
Fountain Valley	200.0	1,017.5	405.0	169.6	67.5	200.0	2,441.0	1,183.0	12.2	5.9	200.0	2,441.0	1,183.0	12.2	5.9
Fullerton	50.0	3,397.5	1,672.5	566.3	278.8	120.0	4,911.5	1,408.5	40.9	11.7	NA	3,414.0	1,303.5	NA	NA
Garden Grove	160.0	2,771.8	1,343.4	462.0	223.9	170.0	4,095.0	1,335.0	24.1	7.9	170.0	5,265.0	1,712.5	31.0	10.1
Huntington Beach	596.0	25,178.6	4,932.6	4,196.4	822.1	606.0	25,133.6	4,887.6	41.5	8.1	606.0	25,133.6	4,887.6	41.5	8.1
Irvine	736.5	70,139.5	14,755.5	11,689.9	2,459.2	773.0	74,070.6	24,712.2	95.8	32.0	846.6	61,240.4	14,516.2	72.3	17.1
La Habra	108.0	3,080.0	1,030.0	513.3	171.7	108.0	2,943.5	889.5	27.3	8.2	108.0	2,474.0	942.0	22.9	8.7
La Palma	30.0	1,280.0	480.0	213.3	80.0	15.0	640.0	240.0	42.7	16.0	15.0	640.0	240.0	42.7	16.0
Laguna Beach	42.0	1,350.0	525.0	225.0	87.5	42.0	881.4	330.9	21.0	7.9	50.0	1,000.6	375.6	20.0	7.5
Laguna Hills	125.0	8,170.8	2,181.4	1,361.8	363.6	125.0	8,125.8	2,181.4	65.0	17.5	125.0	8,155.7	2,196.4	65.2	17.6
Laguna Niguel	151.0	33,079.5	11,461.1	5,513.2	1,910.2	151.0	37,929.2	18,528.2	251.2	122.7	151.0	20,737.5	5,763.7	137.3	38.2
Laguna Woods	15.0	642.5	145.5	107.1	24.3	5.0	497.5	142.5	99.5	28.5	5.0	510.0	210.0	102.0	42.0
Lake Forest	187.0	7,680.0	2,880.0	1,280.0	480.0	72.0	8,040.0	3,015.0	111.7	41.9	71.8	13,803.0	4,803.0	192.2	66.9
Los Alamitos						15.0	100.0	20.0	6.7	1.3	14.3	100.0	20.0	7.0	1.4
Mission Viejo	975.0	100,678.1	17,453.1	16,779.7	2,908.9	975.0	76,503.0	9,042.0	78.5	9.3	702.0	78,611.0	7,995.0	112.0	11.4
Newport Beach	300.0	5,967.0	2,837.0	994.5	472.8	170.0	4,095.0	1,335.0	24.1	7.9	300.0	4,800.0	2,760.0	16.0	9.2
Orange	243.4	21,479.0	3,646.0	3,579.8	607.7	190.0	6,233.5	1,560.3	32.8	8.2	243.0	6,506.2	1,478.5	26.8	6.1
Placentia	140.0	2,340.0	580.0	390.0	96.7	40.0	1,510.0	330.0	37.8	8.3	108.0	2,760.0	580.0	25.6	5.4
Rancho Santa Margarita						NA	NA	NA	NA	NA	0.2	8.0	3.0	40.0	15.0
San Clemente	151.0	13,217.5	3,132.5	2,202.9	522.1	305.0	16,492.5	3,990.0	54.1	13.1	180.0	10,200.0	2,800.0	56.7	15.6
San Juan Capistrano	173.0	6,562.0	1,704.4	1,093.7	284.1	176.0	4,771.1	1,079.0	27.1	6.1	176.0	3,606.0	1,072.5	20.5	6.1
Santa Ana	400.0	8,022.5	2,476.5	1,337.1	412.8	400.0	9,766.8	2,985.0	24.4	7.5	400.0	9,754.3	2,985.0	24.4	7.5
Seal Beach	10.0	0.0	0.0	0.0	0.0	55.0	320.0	120.0	5.8	2.2	55.0	320.0	120.0	5.8	2.2
Stanton						NA	NA	NA	0.0	NA	10.0	471.0	228.0	47.1	22.8
Tustin	160.0	5,679.5	1,022.5	946.6	170.4	160.0	3,105.0	612.5	19.4	3.8	184.0	1,065.0	75.0	5.8	0.4
Villa Park						2.0	0.0	0.0	0.0	0.0	10.0	400.0	200.0	40.0	20.0
Westminster	15.0	675.0	375.0	112.5	62.5	15.0	605.0	305.0	40.3	20.3	15.0	605.0	305.0	40.3	20.3
Yorba Linda	722.0	22,524.6	7,604.0	3,754.1	1,267.3	722.0	22,511.5	11,636.0	31.2	16.1	699.0	34,325.3	10,661.8	49.1	15.3
County of Orange	967.6	30,283.3	10,471.4	5,047.2	1,745.2	819.5	17,025.8	6,274.0	20.8	7.7	667.0	12,875.8	5,312.4	19.3	8.0
Totals	7,990.5	413,089.2	102,332.8	68,848.2	17,055.5	7,574.5	406,778.9	115,331.5	1,898.1	566.2	6,861.6	363,145.6	81,599.5	1,896.3	462.6

Table 5.5: Volume of Street Sweeping Material Collected

PERMITTEE	Total Weight of Material Collected (Tons)* FY 2002-03	Total Weight of Material Collected (Tons)* FY 2003-04	Total Weight of Material Collected (Tons)* FY 2004-05
Aliso Viejo	96	120	110
Anaheim	4,500	4,500	4,500
Brea	800	800	1,179
Buena Park	1,830	1,475	1,475
Costa Mesa	1,730	1,810	1,846
Cypress	526	525	525
Dana Point	465	984	160
Fountain Valley	2,104	2,000	2,000
Fullerton	15,925	19,102	12,832
Garden Grove	NA	NA	2,940
Huntington Beach	3,282	3,434	3,516
Irvine	2,500	2,500	2,700
La Habra	7	5	5
La Palma	375	384	1,170
Laguna Beach	684	675	771
Laguna Hills	194	NA	315
Laguna Niguel	449	NA	423
Laguna Woods	3	62	14
Lake Forest	550	1,044	630
Los Alamitos	NA	3,500	
Mission Viejo	1,192	1,503	1,502
Newport Beach	4,044	4,150	28,800
Orange	11,880	12,000	3,000
Placentia	104	572	531
Rancho Santa Margarita	NA	12	92
San Clemente	1,164	1,177	523
San Juan Capistrano	525	605	676
Santa Ana	6,825	6,825	6,825
Seal Beach	2,085	2,084	
Stanton	NA	843	2,529
Tustin	874	904	1,025
Villa Park	89	134	135
Westminster	1,749	1,041	1,175
Yorba Linda	608	690	720
County of Orange/OCFCD	996	834	873
Totals	68,155	76,294	85,516

<sup>\*</sup>Tons=3 cubic yards per Michigan Department of Environmental Quality, Waste and Hazardous Materials Division

**Table 5.6: Solid Waste Collection** 

PERMITTEE	Collected 2002-03	Total Quantity of Solid Waste Collected 2003-04	Collected 2004-05
	(Tons)	(Tons)	(Tons)
Aliso Viejo	41,000	43,723	38,063
Anaheim	453,015	460,000	460,000
Brea	406,000	407,543	86,877
Buena Park	NA	80	100,000
Costa Mesa	287,090	279,850	186,753
Cypress	45,197	46,197	52,673
Dana Point	52,480	79,909	32,348
Fountain Valley	63,743	53,702	59,376
Fullerton	177,555	NA	187,385
Garden Grove	NA	NA	197,550
Huntington Beach	274,853	272,836	286,717
Irvine	295,000	292,600	287,500
La Habra	NA	31,043	37,000
La Palma	16,000	NA	18,000
Laguna Beach	48,390	58,550	47,700
Laguna Hills	43,783	39,803	56,031
Laguna Niguel	81,046	79,655	82,059
Laguna Woods	NA	23,000	25,000
Lake Forest	103,000	86,200	89,612
Los Alamitos	NA	NA	NA
Mission Viejo	105,600	108,000	108,252
Newport Beach	NA	39,992	40,000
Orange	234,040	210,836	215,400
Placentia	58,861	NA	63,000
Rancho Santa Margarita	NA	NA	63,356
San Clemente	85,339	85,339	88,956
San Juan Capistrano	68,417	76,166	81,652
Santa Ana	258,408	354,000	474,350
Seal Beach	45,292	45,000	26,136
Stanton	NA	35,004	41,500
Tustin	80,629	80,000	84,024
Villa Park	NA	10,200	10,500
Westminster	94,750	85,372	93,294
Yorba Linda	88,680	88,680	83,233
County of Orange/OCFCD	132,584	153,707	155,293
Total tons of solid waste collected	3,640,752	3,626,987	3,959,590

**Table 5.7: Drainage Facility Maintenance** 

PERMITTEE		igth of Cha aned (in Mi		Number of Catchbasins Within Jurisdiction			Number of Catchbasins Cleaned Within Jurisdiction			Percenta	age of Cato Cleaned	hbasins	Total Volume From Facilities (Tons)		
	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05
Aliso Viejo	0.23	0.24	0.24	625	625	625	625	625	625	100%	100%	100%	60.0	111.0	82
Anaheim	37.06	36.00	36	3,500	3,500	3,500	3,500	3,500	3,500	100%	100%	100%	1500.0	1500.0	1500
Brea	N A	N A	2.93	1,158	965	965	1,158	965	965	100%	100%	100%	50.5	50.0	50
Buena Park	0.01	2.25	2.25	20	857	758	20	28	949	100%	3%	125%	1.0	2.4	10.3
Costa Mesa	0.60	0.60	0.6	1,165	1,165	1,165	1,165	1,165	1,165	100%	100%	100%	25.0	25.0	20
Cypress	0.39	0.37	0.37	567	567	569	430	48	194	75%	8%	34%	2.0	0.5	1.5
Dana Point	0.03	0.00	0.29	430	555	526	386	446	459	90%	80%	87%	13.6	508.0	26.04
Fountain Valley	1.50	0.40	0.44	1,965	750	750	1,965	750	750	100%	100%	100%	422.0	217.0	281
Fullerton	7.82	5.90	6.5	1,255	1,322	3,424	3,268	2,216	3,424	50%	100%	100%	1697.0	1629.0	2.1
Garden Grove	0.01	0.01	0.01	907	907	936	907	907	936	100%	100%	100%	108.5	108.5	94
Huntington Beach	8.00	8.40	8.4	1,706	1,706	1,715	1,706	1,706	1,715	100%	100%	100%	934.4	894.9	687
Irvine	0.56	0.60	0.3	3,300	3,300	3,840	1,574	1,584	1,430	100%	48%	37%	14174.8	91.5	74.4
La Habra	N A	2.50	2.5	N A	545	545	N A	542	545	N A	99%	100%	N A	10.0	18
La Palma	5.00	4.70	5.2	201	201	201	201	201	201	100%	100%	100%	15.5	15.7	16
Laguna Beach	0.20	0.20	0.10	633	910	910	633	633	910	75%	70%	100%	227.9	N A	192
Laguna Hills	0.02	0.20	N A	521	515	487	481	304	472	92%	60%	97%	13.6	68.0	5.7
Laguna Niguel	0.73	0.20	0.6	N A	1,209	1,350	1,035	1,197	1,300	80%	99%	96%	1133.0	388.0	124
Laguna Woods	0.02	N A	N A	17	17	17	18	18	17	100%	100%	100%	0.2	N A	0.5
Lake Forest	0.00	0.00	0.03	438	483	1,082	200	331	1,042	47%	76%	96%	15.5	20.8	3.9
Los Alamitos	N A	N A		114	114	114	114	114	114	100%	100%	100%	DNR	15.5	15.5
Mission Viejo	0.02	0.02	3.63	1,800	1,830	1,830	360	651	781	10%	100%	43%	18.2	27.7	4.88
Newport Beach	1.45	3.33	3.33	2,853	3,057	3,087	2,551	2,733	3,087	89%	89%	100%	963.0	834.0	860
Orange	3.33	4.00	1.33	1,625	1,625	1,625	76	147	91	5%	9%	6%	1.9	2.0	12
Placentia	0.10	0.00	0	240	447	447	200	175	175	83%	39%	39%	7.8	0.5	0.5
Rancho Santa Margarita	N A	0.00	41.6	669	669	669	669	669	669	100%	100%	100%	N A	7.0	181.35
San Clemente	10.25	1.50	3.42	1,236	1,236	1,239	1,104	620	1,606	95%	50%	130%	N A	3.0	3
San Juan Capistrano	0.18	0.09	0.26	1,200	1,200	1,200	500	99	150	41%	9%	13%	37.0	28.0	45
Santa Ana	N A	2.10	10.1	1,500	1,270	1,665	129	1,175	1,586	9 %	92%	95%	3058.0	3058.0	1042
Seal Beach	0.02	0.02	0.02	195	195	195	195	195	195	100%	100%	100%	4.5	16.8	32
Stanton	DNR	1.30	1.42	DNR	N A	145	DNR	142	145	DNR	99	100%	DNR	19.3	19.3
Tustin	N A	0.20	0.2	942	942	962	1,258	1,034	962	100%	>100%	100%	64.0	114.0	76
Villa Park	1.00	0.90	0.9	150	150	80	150	150	25	100%	100%	31%	N A	N A	70
W estm in ster	0.83	0.83	0.83	622	622	622	622	622	622	100%	100%	100%	6.0	5.0	5
Yorba Linda	1.06	1.06	0.8	1,550	1,575	1,728	1,500	1,575	1,728	97%	98%	100%	56.3	70.5	21
County of Orange/OCFCD	46.00	29.00	78	2,325	2,353	2,353	2,133	1,485	1,835	91%	63%	78%	52.0	36.0	36
Totals	126	107	213	35,429	37,384	41,326	30,833	28,752	34,370	83% (Ave.)	80% (Ave.)	86% (A ve.)	24,663	9,878	5,612

Report of Waste Discharge July 21, 2006

Table 5.8: 2004-05 Integrated Waste Management Household Hazardous Waste Program Collection Totals

					Colle	ection Cent	er Waste Vo	olumes Colle	ected (pour	nds)			
Category	Type Of Waste		Anaheim		Hui	ntington Be	ach		Irvine		San	Juan Capis	trano
		2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05
1. Flammable	Flammable Solid/Liquid	202,451	218,456	247,962	236,740	282,013	279,665	99,074	151,510	170,366	70,550	99,450	99050
& Poison	Bulked Flammable Liquids	0	800	0	0	1,600	0	0	800	0	0	0	0
	Oil-Base Paint	346,307	395,469	512,372	327,172	347,123	387,257	213,166	247,271	249,331	162,400	245,700	221260
	Poison (Exd aerosols)	38,301	50,713	64,974	47,496	53,486	58,972	27,172	39,395	41,169	16,650	16,650	27720
	Reactive & Explosive	0	200	360	0	318	171	0	160	160	0	0	0
	Subtotal	587,059	665,638	825,668	611,408	684,540	726,065	339,412	439,136	461,026	249,600	361,800	348,030
2. Acid	Inorganic Acid	5,400	4,649	8,443	6,564	7,992	6,014	2,740	4,143	4,266	2,520	2,520	2520
	Organic Acid	5,191	5,597	5,514	7,560	7,173	7,790	3,908	6,372	7,281	2,310	2,970	2970
	Subtotal	10,591	10,246	13,957	14,124	15,165	13,804	6,648	10,515	11,547	4,830	5,490	5,490
3. Base	Inorganic Base	1,260	1,889	2,380	3,136	2,296	4,111	796	1,819	2,120	0	1,260	720
	Organic Base	7,555	10,117	4,070	10,168	12,282	13,802	3,810	6,896	7,462	2,640	4,950	2310
	Subtotal	8,815	12,006	6,450	13,304	14,578	17,913	4,606	8,715	9,582	2,640	6,210	3,030
4. Oxidizer	Neutral Oxidizer	1,055	2,243	1,977	2,076	2,733	2,207	1,276	1,665	3,164	400	1,000	800
	Organic Peroxides	20	0	10	45	0	0	10	0	20	20	0	10
	Oxidizing Acid	0	94	136	1,240	504	1,186	10	29	30	0	0	0
	Oxidizing Base	0	171	115	0	414	1,167	136	421	166	0	0	0
	Subtotal	1,075	2,508	2,238	3,361	3,651	4,560	1,432	2,115	3,380	420	1,000	810
5. PCBs	PCB Containing Paint	0	0	0	0	0	0	0	0	0	0	0	0
(Containing)	Other PCB Waste	0	1,300	1,000	200	200	4,000	100	200	500	0	0	500
	Subtotal	0	1,300	1,000	200	200	4,000	100	200	500	0	0	500
6. Aerosol	Corrosive Aerosols	400	1,232	3,066	3,584	3,145	2,955	236	693	805	200	0	400
	Flammable Aerosols	22,760	28,106	35,258	35,741	39,875	48,539	16,101	24,101	26,364	10,450	11,525	14250
	Poison Aerosols	1,810	4,033	5,592	7,196	5,903	7,685	2,128	4,338	5,161	800	1,200	100
	Subtotal	24,970	33,371	43,916	46,521	48,923	59,179	18,465	29,132	32,330	11,450	12,725	14,750

Table 5.8: 2004-05 Integrated Waste Management Household Hazardous Waste Program Collection Totals (continued)

					Colle	ection Cent	er Waste Vo	olumes Coll	ected (pour	nds)			
Category	Type Of Waste		Anaheim		Hui	ntington Be	ach		Irvine		San	Juan Capist	:rano
		2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05	2002-03	2003-04	2004-05
7. Reclaimable	Antifreeze	31,461	35,675	19,453	31,620	25,995	21,098	13,667	16,851	6,525	7,360	3,017	0
	Car Batteries	130,500	135,450	147,595	71,280	98,440	175,280	41,765	72,200	73,465	24,255	39,720	42605
	Fluorescent Bulbs	3,000	3,800	3,400	4,400	4,600	4,600	1,200	3,200	3,400	600	1,200	1800
	Latex Paint	268,300	349,243	379,840	315,558	358,846	410,495	159,584	269,382	294,413	135,090	97,470	182400
	Mator Oil/Oil Products	157,833	169,939	179,892	131,309	123,238	123,193	72,121	88,387	93,325	43,275	49,062	39975
	Oil Filters	5,000	4,600	5,800	4,600	4,000	4,000	2,200	2,600	2,600	1,000	1,400	1000
	Mercury (Metallic)	80	120	100	78	100	200	54	80	250	0	40	150
	Subtotal	596,174	698,827	736,080	558,845	615,219	738,866	290,591	452,700	473,978	211,580	191,909	267,930
8. Other	Medical Waste	0	0	0	0	0	0	0	0	0	0	0	-
	Household Batteries	2,370	3,750	6,871	2,556	3,108	6,571	2,700	3,630	8,858	600	3,035	4,631
	Other	316,052	567,729	22,254	178,783	387,154	27,682	80,394	273,493	12,785	36,858	171,835	7,650
	Subtotal	318,422	571,479	29,125	181,339	390,262	34,253	83,094	277,123	21,643	37,458	174,870	12,281
9. Propane	Propane	NR	NR	28,060	NR	NR	36,613	NR	NR	94,039	NR	NR	5164
	CRT	NR	NR	427,976	NR	NR	323,695	NR	NR	273,539	NR	NR	190971
	Subtotal	0	0	456,036	0	0	360,308	0	0	367,578	0	0	196,135
	Collection Center Totals	1,547,106	1,995,375	2,114,470	1,429,102	1,772,538	1,958,948	744,348	1,219,636	1,381,564	517,978	754,004	848,956
	Frand Total Collected for F	Y 2002-03 =	4.238.534										

Grand Total Collected for FY 2003-04 = 5,741,553

Grand Total Collected for FY 2004-05 = 6,303,938

# NR = Not Reported

Table 5.9: Used Oil Grant Participation

PERMITTEE	Has or Participates in		llected As a ne Used Oil 2002-03		llected As a ne Used Oil 2003-04	Amount Collected As a Result of the Used Oil Grant FY 2004-05		
PERMITTEE	a Used Oil Grant	Motor Oil/Oil Products (Gallons)	Oil Filters (Units)	Motor Oil/Oil Products (Gallons)	Oil Filters (Units)	Motor Oil/Oil Products (Gallons)	Oil Filters (Units)	
Aliso Viejo	Х			NA	NA	63,647	27,109	
Anaheim	No	135	74	0	0	NA	NA	
Brea	Х	900	165	720	144	31,680	3,867	
Buena Park	Х	NA	NA	9,495	NA	12,289	220	
Costa Mesa	Х	7,869	90	8,886	101	473	59	
Cypress	Х	NA	NA	43,000	0	75,000	NA	
Dana Point	Х	624	NA	28,930	NA	5,610	NA	
Fountain Valley	Х	1,834	27	74	15	147	28	
Fullerton	Х	15,840	35	50,856	132	79,942	NA	
Garden Grove	Х	31,837	1,154	19,471	NA	3,170	809	
Huntington Beach	Х	1,499	368	702	203	887	239	
Irvine	Х	71,784	NA	71,784	NA	59,645	NA	
La Habra	Х	NA	NA	7,630	NA	NA	NA	
La Palma	No							
Laguna Beach	Х	41	0	1,014	0	153	NA	
Laguna Hills	Х	DNR	DNR	NA	NA	44,800	11,000	
Laguna Niguel	No	DNR	DNR	NA	NA	NA	NA	
Laguna Woods	Х	14,400	3,000	84	NA	25	6	
Lake Forest	Х	9,297	NA	NA	NA	63,614	NA	
Los Alamitos	No							
Mission Viejo	Х	12,145	147	14,280	NA	14,372	55	
Newport Beach	Х	NA	NA	19,471	NA			
Orange	Х	2,966	NA	418	NA	2,158	554	
Placentia	Х	707	209	91	18	148	160	
R S Margarita	Х	NA	NA	NA	NA	33,544	133	
San Clemente	Х	19,455	2,500	19,455	2,500			
S J Capistrano	Х	5,770	667	1,620	1,296	98,000	13,500	
Santa Ana	Х	5,804	3,815	12,037	3,698	12,583	4,004	
Seal Beach	NA	NA	NA	NA	NA	NA	NA	
Stanton	No	NA	NA	NA	NA	NA	NA	
Tustin	Х	NA	NA	NA	NA	NA	NA	
Villa Park	No							
Westminster	Х	64,100	NA	7,620	3,000	34,442	1,000	
Yorba Linda	NA	NA	NA	NA	NA	NA	NA	
County of	Х	259,000	1,333	61,330	49,064	653,848	57,817	
Orange/OCFCD*  NA = Not Available	<u> </u>	526,007	13,584	378,967	60,171	1,290,177	93,451	

<sup>\*</sup> The number of gallons of used oil collected dropped in 2003-04 and then dramatically increased for 2004-05 due to CIWMB regulations in 2003-04 when the CIWMB stated that only the used oil turned in by do-it-yourselfers could be counted. However, for the 2004-05 reporting year, the CIWMB reversed their decision and allowed all used oil to be counted, including oil from HHHCCs and certified collectors (Jiffy Lube, etc.).

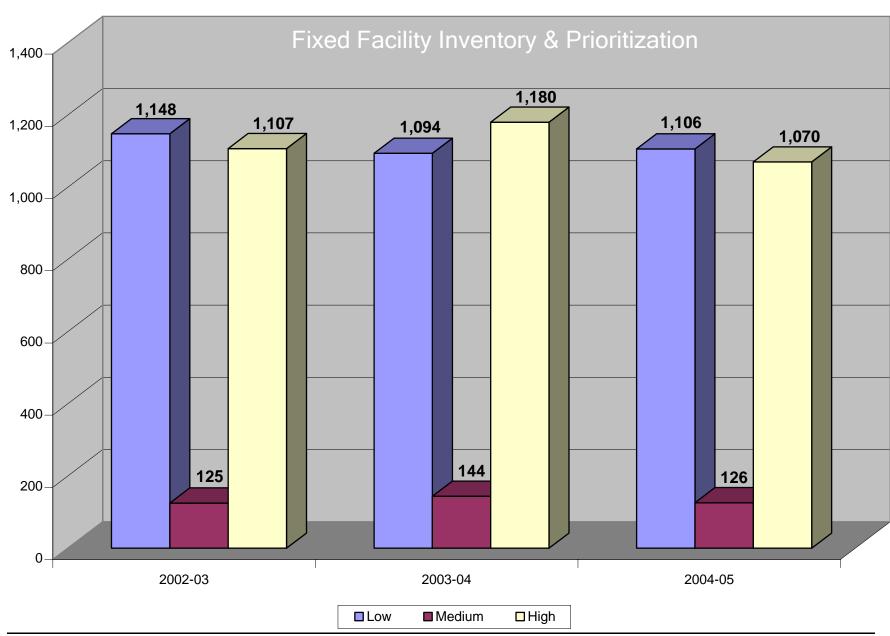


Figure 5.1: Countywide Permittees' Fixed Facility Inventory and Prioritization

Figure 5.2: Volume of Street Sweeping Material Collected



Figure 5.3: Solid Waste Collection (tons)

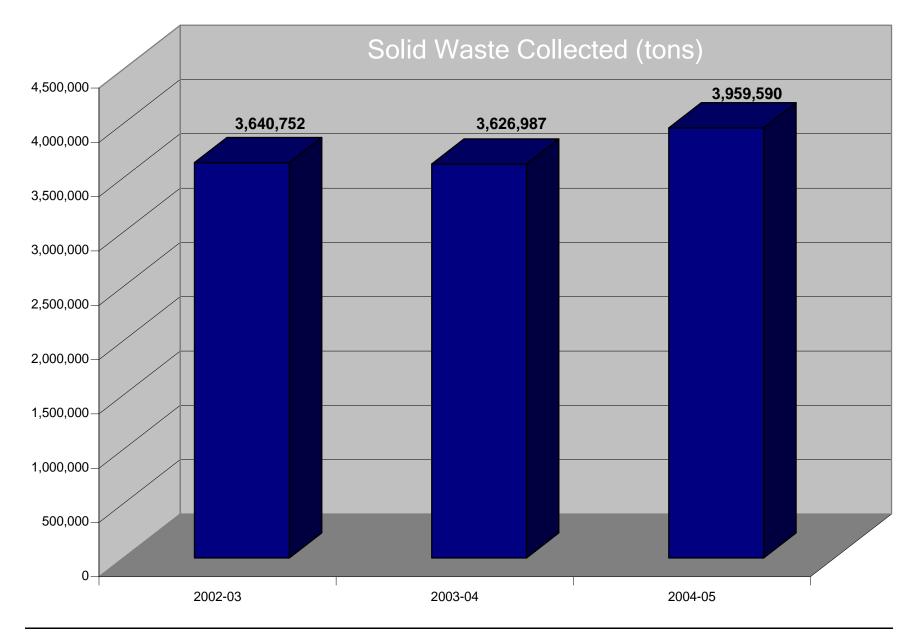


Figure 5.4: Drainage Facility Maintenance - Miles of Pipe Cleaned

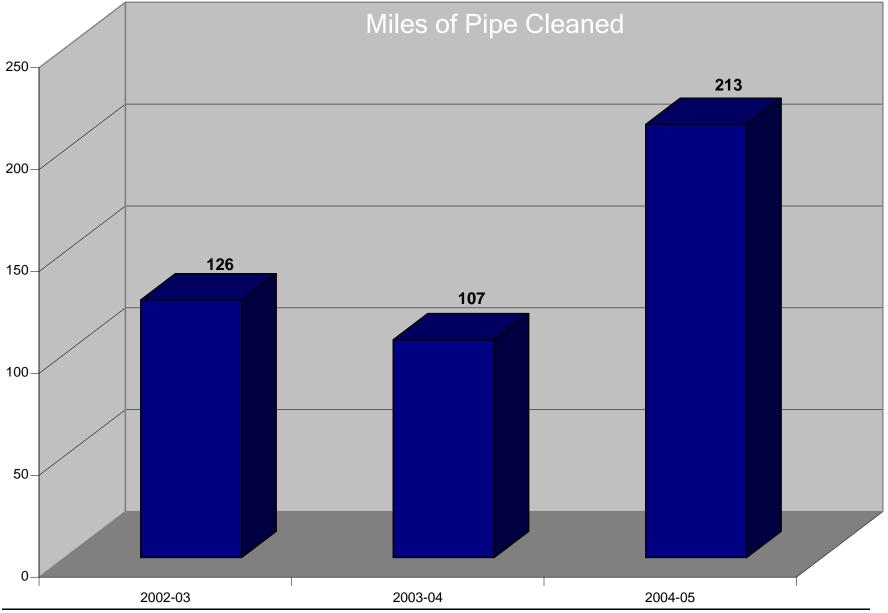


Figure 5.5: Drainage Facility Maintenance - Percentage of Catch Basins Cleaned

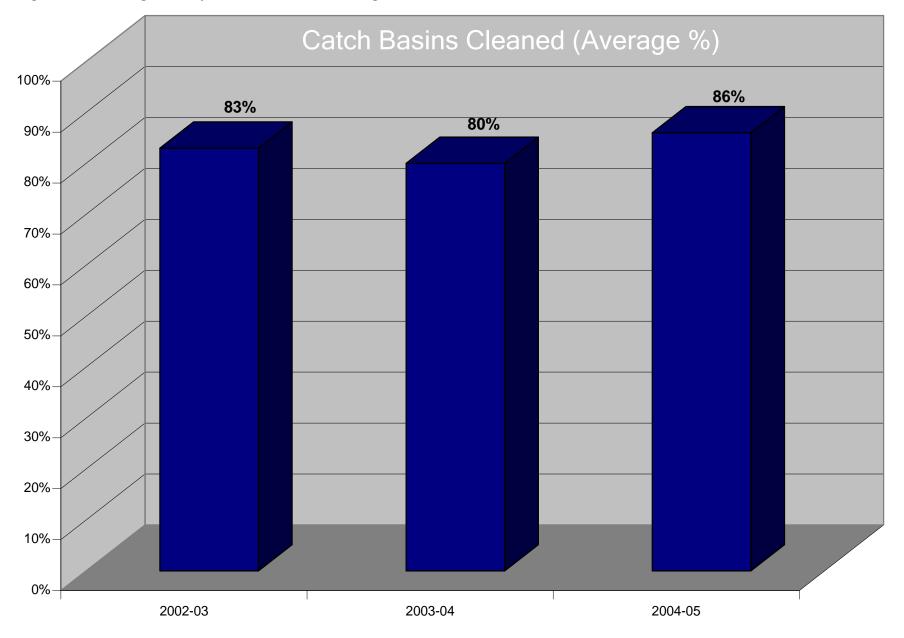


Figure 5.6: 2004-05 Integrated Waste Management Household Hazardous Waste Program Collection Totals

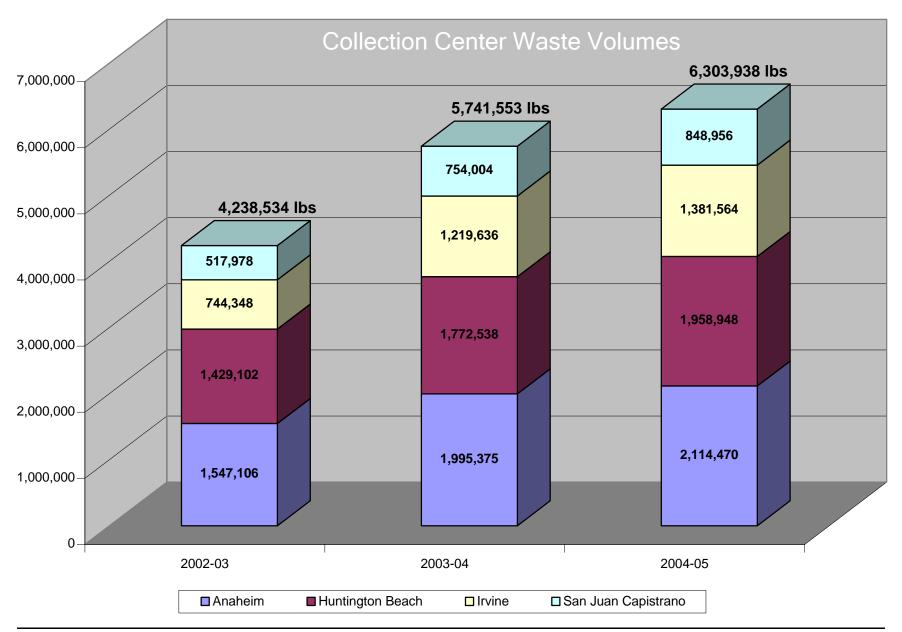


Figure 5.7: Used Oil Grant Participation

