

San Diego County Regional Airport Authority

Fiscal-Year 2006-2007 Municipal Stormwater Permit Annual Report

January 2008



Statement of Certification for the 2006-2007 San Diego County Regional Airport Authority Municipal Permit Annual Report

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Date:

January 28, 2008

Signature:

Printed Name:

Paul Manasjan

Title:

Director, Environmental Affairs Department



SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY

INTER-OFFICE COMMUNICATION

Date:

June 27, 2003

To:

Thella F. Bowens President/CEO

From:

Ted Sexton

Vice President, Operations

Subject:

Authorization to Sign National Pollutant Discharge Elimination System

(NPDES) Documents

NPDES Permits (including General NPDES Permits) require submission of various reports and certifications, which must be prepared and signed by a principal executive office or duly authorized representative. A person is a duly authorized representative if: (1) the authorization is made in writing by the executive officer and (2) a copy of the authorization is retained as part of the permit records for each facility. The authorized representative must be the individual or position having overall responsibility for environmental matters.

This is to request your approval, evidenced by your signature below, authorizing the Director of Environmental Affairs for the Authority to serve as the duly authorized representative for purposed of executing all documents related to the NPDES Permit requirements.

Thella F. Bowens President/CEO

Cc:

San Diego County Regional Airport Authority

Paul Manasjan, Director, Environmental Affairs

Zane Gresham, Morris & Foerster





30 May 03



Acknowledgements

The San Diego County Regional Airport Authority fiscal-year 2006-2007 Municipal Stormwater Permit Annual Report has been prepared by the Authority Environmental Affairs Department with the assistance of the Facilities Maintenance Department, the Landside Operations Department, the Airside Operations Department, the Facilities Development Department, the Real Estate Management Department, the Airport Planning Department, and the Human Resources Department. Staff from these departments are integral to implementation of the Authority's stormwater management program and to ensuring compliance with the Municipal Stormwater Permit.

The development and production of this report is a result of the talents and experience of several individuals. Special recognition and acknowledgement are given to the following individuals for their contributions and insight in making this document a collective success for the environment and the San Diego County Regional Airport Authority:

Richard Gilb, Environmental Affairs Manager

Marisa Fontanoz, Assistant Environmental Specialist

Mayra Garcia, Staff Assistant to Environmental Affairs

Marion Phelps, Administrative Assistant to Environmental Affairs

Jim Myhers, Landside Operations/Ground Transportation Manager

Amiel Porta, Terminal Operations Coordinator

Joe Fejeran, Contracts Manager for Facilities Maintenance

Jeronimo Chavez, Senior Maintenance Project Inspector

Annie Rombold, Administrative Assistant to Facilities Maintenance

Carol Colman, Administrative Assistant to Human Resources

Storm Water Management Plan - Municipal Stormwater Permit



Municipal Stormwater Permit Annual Report Fiscal-Year 2006-2007

CHAPTER	PAGE
CERTIFIED STATEMENT	<i>i</i>
ACKNOWLEDGEMENTS	<i>iii</i>
TABLE OF CONTENTS	<i>v</i>
EXECUTIVE SUMMARY	<i>vii</i>
1 - Introduction	1
2 - MUNICIPAL COMPONENT OF EXISTING DEVELOPMENT	7
3 - INDUSTRIAL COMPONENT OF EXISTING DEVELOPMENT	17
4 - COMMERCIAL COMPONENT OF EXISTING DEVELOPMENT	25
5 - RESIDENTIAL COMPONENT OF EXISTING DEVELOPMENT	29
6 - Land Use Planning for New Development and Redevelopment Component	31
7 - CONSTRUCTION COMPONENT	37
8 - Illicit Discharge Detection and Elimination Component	45
9 - EDUCATION COMPONENT	61
10 - Public Participation Component	71
11 - Special Investigations	79
12 - Assessment of Program Effectiveness	99
13 - FISCAL ANALYSIS COMPONENT	117
14 - CONCLUSIONS AND RECOMMENDATIONS	129
APPENDICES	
APPENDIX A - FY06-07 DRY WEATHER MONITORING DATA SHEETS	
APPENDIX B - FY06-07 ILLICIT DISCHARGE DETECTION AND ELIMINATION REPOR	t Log
APPENDIX C - FY06-07 WET WEATHER SAMPLE RESULTS	

Storm Water Management Plan - Municipal Stormwater Permit





Executive Summary

The San Diego County Regional Airport Authority (Authority) submits the fiscal-year 2006-2007 (FY06-07) Annual Report in compliance with California Regional Water Quality Control Board, San Diego Region (RWQCB), Order No. 2001-01, NPDES Permit #CAS0108758 (Municipal Permit). The FY06-07 Annual Report describes all the stormwater management activities conducted by the Authority between July 1, 2006 and June 30, 2007 to ensure compliance with the Municipal Permit.

The Authority has owned and operated San Diego International Airport (SDIA) since January 1, 2003. SDIA is located on approximately 660 acres adjacent to San Diego Bay, north of downtown San Diego, in San Diego County. The entire jurisdictional area of the Authority, namely, SDIA, discharges into San Diego Bay through 14 storm drain outfalls. Airport operations include two main airline terminals, a commuter terminal, one main runway area, taxiways, fueling facilities, ancillary support facilities, and a closed landfill site.

The Authority controls a number of operations/activities/facilities that are defined by the Municipal Permit as "municipal activities," including: roads and parking lots; the closed Naval Training Cemter (NTC) landfill; the municipal storm sewer system (MS4) or stormwater conveyance system; the grounds and buildings; the maintenance and storage facilities operated by the Authority; and the airfield itself. All municipal activities at SDIA are subject to the Authority Storm Water Management Plan (SWMP) and are required to implement the BMPs described therein relative to municipal activities. Of the municipal activities and areas listed above, only the landscaped areas of the facility grounds and the buildings are identified as low priority threats to surface water quality. During FY06-07, the Authority

conducted MS4 and municipal facility maintenance activities which included quarterly and annual inspection, cleaning, implementation of measures to prevent waste discharges to receiving waters during maintenance activities, and proper disposal of sediment and debris. The annual site inspections found that the BMPs required for use with municipal operations were being properly implemented and no formal enforcement actions were initiated.

The Authority's pollution prevention efforts included a waste reduction and recycling program and the development of an effective outreach program to educate all potential users of the single-stream recycling element. In FY06-07, the Authority added a one-day electronic and universal waste collection event to the Authority's pollution prevention efforts. The event was open to all airport tenants and Authority staff. The Authority has also established an integrated pest management (IPM) program designed to minimize the amount of pesticides and herbicides used to maintain the buildings and grounds at SDIA.

Forty-one (41) airport tenants, and the Authority itself, conduct activities that are subject to the Industrial Component of the Municipal Permit. These 42 entities are considered high priority threats to water quality. All are required to implement the BMPs listed in the SWMP. During the reporting period, the Environmental Affairs Department conducted both a quarterly inspection program and a comprehensive annual inspection program of all industrial activities at SDIA. These inspection resulted in 9 recorded enforcement actions. All issues of concern were resolved.

Fifteen (15) airport tenants conduct commercial activities that are subject to the Commercial Component of the Municipal Permit. All are required to implement the BMPs listed in the SWMP. During the reporting period, the Environmental Affairs Department conducted both a quarterly inspection program and a comprehensive annual inspection program of all commercial activities at SDIA. All but 1 of these commercial operations were found to be in compliance. The Authority initiated 1 enforcement action and the issues of concern were resolved.



During this reporting period, the Authority Airport Planning Department continued the preparation of an implementation plan for the SDIA Master Plan and initiated the environmental review processes in accordance with the California Environmental Quality Act (CEQA). None of the development projects initiated at the airport during FY06-07 were subject to the Authority SUSMP process.

During the reporting period, there were 8 construction projects at SDIA and the Environmental Affairs Department conducted regular site inspections of each project. No formal enforcement actions were initiated for any construction projects during FY06-07.

The Authority conducts an illicit discharge detection and elimination (IDDE) program that incorporates site monitoring methods, visual inspections, and a 24-hour telephone hotline (as a public reporting mechanism) in attempting to detect illegal discharges. During the reporting period, there were 220 IDDE incidents recorded, 6 of which involved sewage, and 7 of which were identified as unauthorized discharges. All of the sewage incidents were cleaned up without impacting the MS4. The 7 unauthorized discharge events resulted in 5 verbal notices to cleanup the incident, and 2 written notice to cleanup. All incidents were cleaned up without impact to the MS4.

The Authority's stormwater education and outreach program is designed to reach the target audiences required by the Municipal Permit. The overall goal of the education component is to increase the understanding of stormwater management issues and to help promote behavioral changes that will reduce stormwater pollution and enhance water quality. Elements of the education program include: the Authority webpage, airport storm drain stenciling, posters, signage, brochures, public service announcements, news releases, meetings, and focused training sessions. The FY06-07 Annual Report documents the continued expansion of the Authority's education and outreach efforts, as well as their effectiveness.

The Authority's stormwater management public participation program is primarily directed at airport tenants and Authority staff, but also includes the general public. Public participation opportunities during this reporting period included: regular meetings of the San Diego County Regional Airport Authority Board, regular meetings of the Lindbergh Airport Managers Committee, regular meetings of the Tenant Safety Committee, a 24hour telephone hotline, the Authority webpage, and outreach events in collaboration with local environmental groups.

The FY06-07 Annual Report discusses the wet weather monitoring program in much greater detail than in previous Annual Reports. Information regarding the wet weather monitoring program is placed in Chapter 11 (Special Investigations) for the first time. Previous Annual Reports had discussed the wet weather stormwater monitoring program in Chapter 3.

Using "A Framework for Assessing the Effectiveness of Jurisdictional Urban Runoff Management Programs," the Authority presents an assessment of each component of the stormwater management program implemented during FY06-07. Based on the results of current program implementation and the findings of the effectiveness assessment, the majority of the management measures currently being implemented by the Authority have proven to be effective. Taken as a whole, the Authority's program is in compliance with the Municipal Permit. Any changes proposed to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit (adopted on January 24, 2007) and scheduled for submittal to the RWQCB in March of 2008.

This report presents an accounting of the Authority's stormwater management program expenditures for FY06-07, and the budget for FY07-08. Costs are categorized by Personnel, Non-personnel, and the Capital Improvement Program.

The FY06-07 Annual Report documents the Authority's compliance with the Municipal Permit. The majority of the management measures implemented by the Authority have proven to be effective. The program generally fulfills the requirements of the Municipal Permit. The FY06-07 Annual Report clearly demonstrates that the stormwater management program at SDIA is adequately planned, executed, reviewed, and funded.



Annual Report for Fiscal Year 2004-2005

Storm Water Management Plan - Municipal Stormwater Permit





1 Introduction

The San Diego County Regional Airport Authority (Authority) continually strives to operate San Diego International Airport (SDIA) in a manner that demonstrates the utmost respect for our unique natural setting - an urban center on the shore of San Diego Bay. The Authority conducts airport activities in a manner that protects the natural resources, the health and well-being of the people that work here, the surrounding neighborhoods and communities, and the traveling public as they pass through our facility. Potential stormwater impacts are just one characteristic of the airport's "environmental footprint" that the Authority aims to minimize.

This report describes the stormwater management activities of the Authority during the period of July 1, 2006 to June 30, 2007 - the fiscal year 2006-2007 (FY06-07). The Authority submits this FY06-07 Annual Report in compliance with California Regional Water Quality Control Board, San Diego Region (RWQCB), Order No. 2001-01, National Pollutant Discharge Elimination System (NPDES) Permit No. CAS0108758, Waste Discharge Requirements for Discharges of Urban Runoff from the Municipal Separate Storm Sewer Systems (MS4s) Draining the Watersheds of the County of San Diego (County), the Incorporated Cities of San Diego County, and the San Diego Unified Port District (the Municipal Permit). Although the Municipal Permit was renewed on January 24, 2007, the renewed permit did not alter stormwater management activities at the airport during FY06-07.

This report has been prepared by the Authority Environmental Affairs Department with the assistance of the Facilities Maintenance Department, the Landside Operations Department, the Airside Operations Department, the Facilities Development Department, and the Real Estate Management Department. These departments are responsible for the implementation of the Storm Water Management Plan (SWMP) for SDIA. Staff from these departments are integral to eliminating and reducing pollutants in stormwater runoff and to ensuring the Authority's compliance with the NPDES permits applicable at SDIA, including the Municipal Permit.

The RWQCB provided comments on the FY05-06 Annual report in a letter dated October 31, 2007, with a subject title of "Review of Jurisdictional Urban Runoff Management Program 2005-2006 Annual Report for San Diego County Regional Airport Authority, Order No. 2001-01, NPDES Permit No. CAS0108758" ("October 31, 2007 RWQCB Review Letter"), and directed that "revisions and any responses to comments should be addressed in the Fiscal Year 2006-2007 Annual Report." Where appropriate throughout this report, the Authority provides responses to the RWQCB comments.

ORGANIZATION OF THE FY06-07 ANNUAL REPORT

The FY06-07 Annual Report presents a compilation of the Authority's stormwater management efforts in the following order:

Executive Summary

- 1 Introduction
- 2 Municipal Component of Existing Development
- 3 Industrial Component of Existing Development
- 4 Commercial Component of Existing Development
- 5 Residential Component of Existing Development
- 6 Land Use Planning for New Development/Redevelopment Component
- 7 Construction Component
- 8 Illicit Discharge Detection and Elimination Component
- 9 Education Component
- 10 Public Participation Component
- 11 Special Investigations
- 12 Assessment of Program Effectiveness
- 13 Fiscal Analysis Component
- 14 Conclusions and Recommendations



BACKGROUND ON THE SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY The Authority became the owner and operator of SDIA on January 1, 2003. With approximately 300 employees, the Authority uses an annual budget of approximately \$100 million to manage SDIA - a regional asset responsible for contributing some \$4.5 billion annually to the local economy.

SDIA is located on approximately 660 acres adjacent to San Diego Bay and just north of downtown San Diego in San Diego County.

Approximately 85-90% of the airport property is covered by impervious surfaces. Airport operations include two main airline terminals, a commuter terminal, a fixed base operation facility, one main runway area, taxiways, and ancillary support facilities which include a remote fueling facility, air cargo, ground support, a closed landfill site, an airplane wash-rack, overnight airplane parking areas, and the Airport Rescue and Fire Fighting (ARFF) Facility.

The climate at SDIA is generally mild with an average temperature of 71°F and extremes ranging from the high 40's during the winter to the low 80's during the summer. The majority of the 12 inch-average-annual rain falls during the period from October to April.

SDIA lies within the Pueblo San Diego (908.00) hydrologic unit of the San Diego Basin Plan and within the San Diego Bay Watershed of the Municipal Permit. The entire jurisdictional area of the Authority consists of the airport itself. Stormwater runoff from SDIA discharges into San Diego Bay through 14 storm drain outfalls.

In regards to the Municipal Permit, there are 3 notable characteristics of the Authority: a) the absence of private property ownership within the Authority's jurisdictional boundaries; b) the absence of a residential population within the Authority's jurisdictional boundaries; and c) the absence of hillsides as defined in the Municipal Permit.

REGULATORY FRAMEWORK FOR STORMWATER MANAGEMENT AT SAN DIEGO INTERNATIONAL AIRPORT Presently, the Authority's operations must comply with two NPDES Stormwater Permits. The Authority has prepared a single document, the SDIA SWMP, to fulfill the requirements of these two permits, specifically:

 California Regional Water Quality Control Board, San Diego Region (RWQCB), Order No. 2001-01, NPDES No. CAS0108758, Waste Discharge Requirements for Discharges of Urban Runoff from the Municipal Separate Storm Sewer Systems (MS4s) Draining the Watersheds of the County of San Diego, the Incorporated Cities of San Diego County, and the San Diego Unified Port District (the Municipal Permit);

The Municipal Permit specifies the waste discharge requirements for discharges of urban runoff from the MS4s of the jurisdictions named. The Authority was added to the list of jurisdictions by Permit addendum on August 13, 2003. The Municipal Permit outlines the responsibilities of the jurisdictions (referred to as the Copermittees) to implement stormwater management programs, best management practices (BMPs), and monitoring programs. The permit requires that these efforts be outlined in a Jurisdictional Urban Runoff Management Program (JURMP) Document. The SDIA SWMP fulfills the Municipal Permit requirement to prepare a JURMP Document.

 State Water Resources Control Board (SWRCB) Water Quality Order No. 97-03-DWQ, NPDES General Permit No. CAS000001, Waste Discharge Requirements for Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities (the General Industrial Storm Water Permit);

Under the General Industrial Storm Water Permit, specific industrial facilities (dischargers), of which SDIA is one, are required to control and eliminate sources of pollutants in stormwater through the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP is a tool for recognizing and evaluating potential sources of pollutants associated with industrial activities that may affect the quality of storm water discharges and authorized non-storm water discharges from the facility. The SWPPP is also a guide to help identify site-specific BMPs required to reduce or prevent pollutants associated with industrial activities in stormwater discharges and authorized non-stormwater discharges. The SDIA SWMP fulfills the General Industrial Storm Water Permit requirement to prepare a SWPPP.



SAN DIEGO INTERNATIONAL AIRPORT STORM WATER MANAGEMENT PLAN (SDIA SWMP) While not a necessity to review this Annual Report, we present the general structure of the SDIA SWMP here. The SDIA SWMP presents information in a manner that facilitates understanding by Authority staff and SDIA tenants. The format of the SWMP is generally based on a standardized format for JURMP Documents that was developed and agreed upon by the Copermittees. There are notable differences, however, most apparent in Chapters 2, 3, and 6 of the SWMP.

The significant difference between the SWMP and a JURMP Document becomes apparent in Chapter 2 of the SWMP, entitled "Description of Facility and Pollutant Sources." Chapter 2 provides an overview of the Authority and SDIA, a site map of SDIA, a detailed descriptions of the drainage areas of SDIA, and descriptions of those activities conducted by the Authority and its tenants that could generate stormwater pollutants. Chapter 2 addresses the inventory and prioritization requirements of the Existing Municipal, Industrial, and Commercial Development Components [Municipal Permit Requirements F.3.a-d. and H.1.a(2-5)].

Chapter 3 of the SWMP further distinguishes the differences between the SWMP and a JURMP Document. Entitled "Operational Storm Water Management Practices," Chapter 3 outlines the BMPs that are required for implementation at SDIA by the Authority and its tenants during day-to-day operations. The Chapter addresses the Existing Development BMP implementation requirements. The requirements for identification of pollution prevention and the maintenance of the MS4 are also addressed in Chapter 3 [Municipal Permit Requirements F.3.a-d. and H.1.a(2-5)].

Chapter 6 addresses the inspection and enforcement requirements of the Municipal Permit for all Existing Development, except construction [Municipal Permit Requirements F.3.a-d. and H.1.a(2-5)]. Chapter 6 of the SWMP, entitled "Inspection and Enforcement," describes how the Authority inspects Authority (municipal and industrial) and tenant (industrial and commercial) areas and activities. Chapter 6 details the mechanisms in place to enforce the implementation of BMPs and other stormwater requirements at SDIA.

ANNUAL REPORT HIGHLIGHTS

The One-day Electronic and Universal Waste Collection Event, open to all airport tenants and Authority staff, was added to the Authority's pollution prevention efforts in FY06-07. The event is highlighted in the discussion of the Municipal Component in Chapter 2. Changes to the inventory for the Industrial Component are discussed in Chapters 3. Enforcement measures taken by the Authority are highlighted in the discussions of the Industiral Component in Chapter 3, the Commercial Component in Chapter 4, and the Illicit Discharge Detection and Elimination Component in Chapter 8.

Chapter 6 highlights continued recent developments regarding the adoption of the Airport Master Plan. Chapter 8 of this report presents information suggesting that the amount of IDDE information being reported each year may be reaching the plateau that has always been anticipated. The expanding education and outreach efforts of the Authority are noted in Chapter 9.

This Annual Report takes the discussion of the wet weather stormwater monitoring program that was presented in Chapter 3 of all the previous Annual Reports and moves the discussion to Chapter 11 (Special Investigations). The wet weather monitoring program is discussed here in much greater detail than in previous Annual Reports.

Finally, the Assessment of Program Effectiveness (Chapter 12) continues to evolve as more data and information are gathered over four years of program implementation. The Authority's procedures and methods have begun to allow for a more complete evaluation of the program and more robust conclusions and recommendations for improvement.





2 Municipal Component of Existing Development

The Authority conducts a number of operations that are defined as "municipal activities" by the Municipal Permit. This chapter describes the Authority's efforts during FY06-07 to comply with the Municipal Component of the Municipal Permit. The areas and activities at SDIA considered "municipal" include: a) the roads and parking lots; b) the closed NTC Landfill; c) the stormwater conveyance system (MS4) maintained by the Authority; d) the grounds and buildings; e) the maintenance and storage facilities operated by the Authority; and f) the airfield itself, consisting of the entire Airside Operations Area (AOA). The Authority's municipal operations and the stormwater management controls placed on them are outlined in Chapters 2, 3, 6, and 7 of the SDIA SWMP.

SOURCE IDENTIFICATION AND PRIORITIES (INVENTORY)

Table 2-1 presents the inventory of Authority municipal operations at SDIA. As shown in Table 2-1, only the landscaped areas of the facility grounds and the buildings are identified as low priority threats to surface water quality. Each of the remaining land uses and areas listed in Table 2-1 are defined as high priority threats to surface water quality by the Municipal Permit.

Table 2-1. Municipal Operations at SDIA

Type of Activity	Water Quality Threat Priority	Item or Description	
Roads	High	4 miles	
Parking Lots	High	12 lots	
		7,725 total parking spaces	
		74 acres	
Closed Landfill	High	39 acres	
MS4	High	210 inlets	
		86,000 feet of storm drain pipe	
Maintenance and Storage Areas	High	Hazardous Waste Storage Area	
		Vehicle Storage Area	
		Runway Generator Shop	
		Terminal 2 West Equipment Storage Area	
Solid Waste Operations	High	Trash and Recycling Compactor Area	
		Terminal 2 East Trash Compactor	
		Terminal 2 West Trash and Recycling Compactor Area	
		Landscape Waste Dumpster	
Airside Operations Areas	High	Ramp Scrubbing	
		Runway Rubber Removal	
Grounds (Landscaped)	Low	12.5 acres	
Buildings	Low	Commuter Terminal	
		Terminal 1	
		Terminal 2	
		Cargo Terminal	
		West Wing (offices)	
		Building A (offices)	
		HVAC Building (HVAC and Power Plant)	
		LPi Building (Offices)	



BMP IMPLEMENTATION AND POLLUTION PREVENTION

All municipal operations at SDIA are required to implement the relevant BMPs listed in Chapter 3 and Appendix B of the SWMP, including the generally applicable site-wide BMPs and the pollution prevention measures. In addition to the hard-copies provided to each department, Authority staff can access the SWMP through the Authority's intranet/internet websites.

The Authority continues its pollution prevention efforts with its waste reduction and recycling program. The elements of the Authority's waste reduction and recycling program are presented in Table 2-2. The Authority's recycling campaign is designed to educate staff about the single-stream recycling program. Available in hard-copy and accessible through the Authority's intranet website, the Authority's bilingual (English-Spanish) Recycling Guide was distributed to describe and promote the program. The brochure also includes suggestions for other ways to help reduce the amount of waste being generated at work or at home. Approximately 5.9% of the waste generated at SDIA was recycled during the reporting period (324 tons of material recycled out of the 5,497 tons of waste generated).

As noted previously in the FY05-06 Annual Report, the Airport Authority also provided education about Universal Waste to staff and tenants. In February of 2006, the Authority first provided staff and tenants with information about changes to the California "Universal Waste Rule." The Airport Authority also began a universal waste collection program for Authority staff at that time. Containers are provided in designated areas where Authority employees may dispose of alkali or rechargable batteries, cell phone batteries, and electronic devices. The universal waste is collected and properly disposed/recycled. In additional, the Authority hosted a One-day Electronic and Universal Waste Collection Event on August 11, 2006, that was open to all staff and tenants. The event allowed staff and tenants to relinquish electronic and universal waste (such as batteries and fluorescent light bulbs) for proper recycling or disposal. More than 3 tons of electronic and universal waste were collected during this one day event.

The Authority also continues to provide the Service Animal and Pet Relief Area for those animals that are traveling with passengers. The area provides a place for animals to have a water or restroom break while waiting for departure or upon arrival. Approximately 400 pet waste bags were dispensed at the Service Animal and Pet Relief Area in FY06-07.

Table 2-2. SDIA Pollution Prevention - Waste Reduction and Recycling Programs

Waste Reduction and Recycling Program	Description
Recycled-Content Product Procurement Program	Procurement Department program designed to purchase products and supplies that feature recycled contents. Approximately 80% of the office paper purchased is at least 30% recycled content, all of the new packaging material purchased is at least 30% recycled content, all of the 30-gallon or larger capacity trash bags and all the floor mats are made from recycled plastics and rubber, all of the toner cartridges purchased are recycled cartridges, all of the cleaning and maintenance supplies (such as gloves and dust masks) are partially made from recycled materials, and all Authority brochures are printed on recycled paper.
Office Waste Reduction Program	Program cultivated a corporate culture that provides for and requests the use of electronic formats for virtually all communication within and between departments. Electronic communication with outside entities is also preferred where feasible. Ten "document processing centers" in shared work areas that are computer-network accessible and feature double-sided printing and copying, document scanning and electronic mailing capacity. Employees are encouraged to use clean waste paper for note and scratch paper. Interoffice mail is distributed using reusable envelopes. Document destruction service providers are required by contract to recycle the waste paper.
Single-Stream Recycling Program	Single stream-recycling program in which all recyclable material can be collected in the same container. Acceptable recyclable materials include cardboard, mixed paper, old newspapers, aluminum, glass, tin cans, and plastics. A total of 50 recycling bins throughout the airport terminals to collect and store recyclables generated by travelers/visitors, airport staff, vendors, and the airline companies. The Authority office staff use desk side recycling containers. The airport janitorial staff, vendors, and tenants also have access to 2 recyclables compactors and several front load recyclables bins.
Office Paper Recycling Program	Waste paper recycling containers are provided at each workstation and in all shared document-processing areas, allowing for 100% of office waste paper to be recycled.
Package Material Recycling Program	Approximately 100% of the recyclable package material waste is recycled.
Green Waste Reduction Program	Approximately 95% of the landscape plants at SDIA are drought tolerant and low waste generating varieties of ground covers, shrubs, and trees. Mulch is used throughout the landscape areas to help retain water, soil, and fertilizers.
Integrated Pest Management Program	Program reduces the use of fertilizers, herbicides, and pesticides on airport property.
Alternative Fuels Program	The Authority operates a compressed natural gas (CNG) fueling station and operates four CNG vehicles.
Universal Waste Collection Program	Initiation of a Universal Waste collection program that provides containers for the collection of alkali and rechargable batteries, cell phone batteries, and electronic devices.



In the October 31, 2007 RWQCB Review Letter, RWQCB staff noted that "it appears that your recycling effort has decreased from the previous year (2005-06 -25% and 2006-07 - 7.5%) (sic)... please explain this and how you plan to substantially increase your recycling efforts in the future." First, it should be noted that while the percentage of the waste stream that was recycled between the two previous reporting periods may have decreased, the Authority's recycling efforts certainly have not. In fact, by hosting the One-day Electronic and Universal Waste Collection Event, noted above, the Authority expanded efforts to capture recyclables in FY06-07 and collected of several tons of recyclable electronics. In April of 2007, the Authority was also selected once again by the Waste Reduction and Diversion Awards Program of the City of San Diego Environmental Services Department as one of the Recyclers of the Year. The Authority's recycling efforts are broader and farther-reaching than ever.

The recycling rate of 25% reported in our FY04-05 Annual Report resulted from the inclusion of 1224 of demolition material in the total amount of recylcbles recovered during that year. In 2004 and 2005, the Authority made an effort to recycling materials that were generated from remodeling/improvement/construction projects. One of the major projects underway during that time-frame was the Terminal 2 West Tile Replacement Project, which involved the replacement of over 100,000 square feet of floor tile and mortar. Working with the project contractor and the waste hauler, the Authority was able to coordinate the recycling of 1224 tons of tile and mortar. The types of remodeling/improvement/construction projects that generate such large amounts of debris do not occur during every reporting period, and is one factor in the fluctuation of the percentage of waste recycled from year to year. The Authority continues to pursue recycling opportunities for demolition debris.

Second, there are several factors which influence the amount of waste being generated at the airport, most notably the amount of people using the facilities, the intents and focus of those people, and the time-constraints on most of those people and many of the operations which occur throughout the day. While the airport has numerous recycling containers throughout the airport, the general focus of the nearly 60,000 people a day who pass through the terminal is to find their departure gate and pass unhindered through a security checkpoint. Since the focus of activities in the terminals is to direct

travelers to the appropriate gate and ensure the security of themselves and the airport, the majority of the signage and information displays in the terminals is directed at those issues and not necessary recycling or any number of other worthy causes. That said, the 60,000 daily members of the traveling public that pass throught the terminals often miss the recycling opportunities made available by the Authority, even when a recycling container might be right in front of them. In order to increase recycling, additional recycling containers have been placed throughout the terminals.

Third, it is currently the nature of commercial air travel to collect all the in-flight waste materials in a single trash bag just before the plane lands. There is little time available for airline stewards to seperate waste while in flight - although most airlines are beginning to address this issue, due in part to the negative publicity generated by a December 2006 Natural Resources Defense Council report entitled "Trash Landings - How Airlines and Airports Can Clean Up Their Recycling Programs." To this time, it has been difficult to capture recyclables from the in-flight waste that is disposed from aircraft arriving at SDIA. As such, the amount of in-flight waste reaching the trash compactors at SDIA only increases the weight of trash generated at the airport (although it is not really generated here, but rather brought here) and escapes our current capabilities to recover recyclables. The quantity of in-flight waste is also influenced by a number of factors, such as the time and place of flight origination, the length of the flight, and the number of passengers on board. All of this in turn negatively impacts our recycling percentage when viewed as a portion of the waste from SDIA disposed in local landfills, and also results in further fluctuations in the data when viewed on an annual basis. The Authority recently began collaboration with the USEPA, other airports nationwide, and several airline companies to help facilitate the recycling of in-flight waste. This collaboration should increase the recycling of in-flight waste both here at SDIA and around the county.

MAINTENANCE OF MS4 AND MUNICIPAL FACILITIES The Authority conducts MS4 and municipal facility maintenance activities on a year-round basis. These activities include inspection and cleaning of MS4 components, proper disposal of sediment and debris removed from the MS4, and implementation of measures to prevent waste discharges to receiving waters during these maintenance activities. Table 2-3 presents information summarizing the MS4 and municipal facility maintenance activities conducted during the reporting period.



Table 2-3. MS4 and Municipal Operation Maintenance Activities During FY06-07

Type of Activity	Manpower Metric*	Materials Metric*
Street Sweeping - Landside	720 hours	5.75 cubic yards
Ramp/Apron Sweeping and Scrubbing - Airside, as needed	384 hours	7,200 gallons of wastewater
Runway Rubber Removal - Airside, as needed	240 hours	31,500 gallons of wastewater
MS4 Cleaning, as needed	84 hours	12.5 cubic yards
Landscape Maintenance	2,160 hours	1,080 cubic yards
Pesticide/Herbicide Application, as needed	60 hours	51.5 gallons
Solid Waste disposal	Not Applicable	5,173 tons
Recyclable Waste recovery	Not Applicable	324 tons

^{*} All metrics are approximated.

MANAGEMENT OF PESTICIDES, HERBICIDES, AND FERTILIZERS As noted in Table 2-2 above, the Authority has established an integrated pest management (IPM) program designed to minimize the use of herbicides, pesticides, and fertilizers in maintaining the buildings and grounds at SDIA. The IPM program encourages the use of native plant species in the landscaped areas to help minimize the need for excessive irrigation and the need for excessive application of fertilizers and/or herbicides. In addition to encouraging the proper use and disposal of chemicals, the IPM program also ensures that the Facilities Maintenance Department minimizes its inventory of pesticides, herbicides, and fertilizers. A total of 51.5 gallons of pesticides and/or herbicides were applied at SDIA during FY06-07.

SUMMARY OF INSPECTIONS

The Environmental Affairs Department inspected municipal operations during FY06-07. The inspections are listed in Table 2-4 and included:
a) quarterly inspections; b) municipal land use area-specific inspections; c) an annual inspection of the MS4; and d) a comprehensive annual inspection conducted in the final quarter of the fiscal year. All areas of municipal land use and activity, the associated sources of stormwater pollution, and authorized non-stormwater discharges were visually inspected during the quarterly inspections and unauthorized discharges were noted. The annual comprehensive site inspection also included: 1) a review of

Table 2-4. Municipal Activity Site Inspections Conducted During FY06-07

Date	Inspection Element	Number of Municipal Activities Inspected/ Number of Activities Requiring Inspection	Activity Types and Number
07/13/06	Quarterly Site Inspection	32 / 32	Roads (1), 12 Parking Lots, MS4 (various inlets) (1), 4 Maintenance and Storage Areas, 4 Solid Waste Operations, Airside Operations Areas (1), Grounds(1), 8 Buildings
09/21/06	Site-specific Inspection of Closed Landfill	1 / 1	Closed Landfill
10/09/06	Quarterly Site Inspection	32 / 32	Roads (1), 12 Parking Lots, MS4 (various inlets) (1), 4 Maintenance and Storage Areas, 4 Solid Waste Operations, Airside Operations Areas (1), Grounds(1), 8 Buildings
12/20/06	Site-specific Inspection of Closed Landfill	1 / 1	Closed Landfill
02/05/07	Quarterly Site Inspection	32 / 32	Roads (1), 12 Parking Lots, MS4 (various inlets) (1), 4 Maintenance and Storage Areas, 4 Solid Waste Operations, Airside Operations Areas (1), Grounds(1), 8 Buildings
03/01/07	Site-specific Inspection of Closed Landfill	1 / 1	Closed Landfill
05/15/07 through 06/07/07	Annual Comprehensive Site Inspection	32 / 32	Roads (1), 12 Parking Lots, MS4 (various inlets) (1), 4 Maintenance and Storage Areas, 4 Solid Waste Operations, Airside Operations Areas (1), Grounds(1), 8 Buildings
06/06/07	Site-specific Inspection of Closed Landfill	1 / 1	Closed Landfill
06/27/07 06/28/07 06/29/07	MS4 Inspection	1 / 1	MS4 (210 inlets)



records; 2) a review and evaluation of all BMPs; 3) visual inspection of all the equipment needed to implement the BMPs; and 4) the preparation of an evaluation report that summarized the inspection and highlighted any revisions necessary to the BMPs. The Environmental Affairs Department also conducted site-specific inspections of the closed NTC Landfill portion of SDIA on a quarterly basis.

The annual comprehensive stormwater site inspection found that overall the BMPs required for municipal operations, as listed in the SWMP, were adequate and properly implemented. Operations were found to be clean and orderly. No unauthorized discharges or other concerns were identified.

In the October 31, 2007 RWQCB Review Letter, RWQCB staff noted that "the Annual Report does not identify the number of municipal areas and activities requiring inspection and the number of municipal areas and activities that were inspected." That information has now been included in Table 2-4 for each element of the municipal activity inspection program.

The October 31, 2007 RWQCB Review Letter also stated that "it is again strongly recommended that the Annual Comprehensive Site Inspection (ASCI) be scheduled in the first quarter of the fiscal year (July-September) rather than the last quarter of the fiscal year (April-June). This will allow completion of the ASCI near the start of the wet season, and enough time to implement all required Best Management Practices (BMPs). This recommendation was previously made to the Authority in a Regional Board letter dated November 6, 2006." The Authority has been considering this possibility for some time, and appreciates the recommendation of RWQCB staff. However, the issue is complicated by the Authority's obligations under the General Industrial Storm Water Permit. The General Industrial Storm Water Permit requires that the Authority conduct an Annual Comprehensive Site Compliance Evaluation (essentially the ASCI) between July 1 and June 30 each year (that is, the fiscal year), but further requires that the evaluations be conducted within 8-16 months of each other. Given that the evaluation must be conducted annually, it does not seem possible to extend the time period between evaluations to 16 months, and thus, the evaluations would need to be conducted within 8-12 months of each other. As such, if the ASCI were conducted in June, the ASCI for the following fiscal year could be conducted no sooner that the month of March. Similarly, if the ASCI were conducted in March, the ASCI for the following fiscal year could be conducted no sooner than the month of December. And if the ASCI were conducted in December, the ASCI for the following fiscal year could be conducted no sooner than the month of September. Therefore, it will take a minimum of 4 years to align the ASCI with the month of September and precede the start of the wet season (October 1). Beginning in FY07-08 or FY08-09, the Authority will start to adjust the time of year in which the ASCI is conducted to eventually align the ASCI with the month of September (if not, earlier in the fiscal year), and thereby, benefit from having evaluated site conditions and corrected BMPs, as necessary, prior to the onset of the wet season.

COMPLIANCE AND ENFORCEMENT ACTIONS

As noted above, municipal operations were found to be in compliance with the SWMP. As such, no enforcement actions were initiated during FY06-07.

REVISIONS TO THE SWMP

The SWMP was last revised in January of 2005. Previously, both the FY04-05 and FY-5-06 Annual Reports stated that the Authority expected to use the output from the Storm Drainage System BMP Project (see Chapter 11 of this report) to revise the SWMP, as appropriate. The FY05-06 Annual Report noted that adoption of a new Municipal Permit (first released by the RWQCB as a Tentative Order No. R9-2006-0011 on March 14, 2006) was expected soon, and that therefore, the Authority would await the adoption of the new permit before revising the SWMP in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes that might be required by a new permit. A re-issued (new) Municipal Permit (RWQCB Order No. R9-2007-0001) was indeed adopted on January 24, 2007. The new permit allowed one-year to update the SWMP, as necessary. That deadline was recently extended by Addendum No. 1 to Order No. R9-2007-0001 adopted by the RWQCB on December 12, 2007. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.





3 Industrial Component of Existing Development

This chapter presents the stormwater management activities during FY06-07 that address the Industrial Component of the Municipal Permit. A number of airport tenants, and the Authority itself, conduct regular activities subject to the Industrial Component. Chapters 2, 3, 6, and 7 of the SDIA SWMP outline the stormwater management controls placed on industrial activities.

For the FY06-07 Annual Report, the discussion of "Stormwater Monitoring Related To Industrial Activities" has been moved from this chapter to Chapter 11, Special Investigations. The reasons for presenting the information in Chapter 11 are outlined in Chapter 11.

SOURCE IDENTIFICATION AND PRIORITIES (INVENTORY) Forty forty one of the 56 tenants listed in the facility inventory of the SWMP are identified as industrial operations. The Authority also conducts industrial activities at SDIA. Thus, the total number entities/operations at the SDIA that are considered subject to the Industrial Component of the Municipal Permit is 42. All 42 entities/operations are considered high priority threats to water quality by the Municipal Permit definition. The 42 operations are listed below in Table 3-1. Please note that 4 tenants appear in the table more than once due to the nature of the activities they conduct and the categorization of those activities in the SWMP. These 4 are ATS, American Airlines, Jimsair Aviation Services, and United Airlines.

Table 3-1. Industrial Operations at SDIA

Type of Activity	Tenant Name
Passenger Carrier	Aerovias De Mexico
	Alaska Airlines
	Aloha Airlines
	American West Airlines
	American Airlines
	American Eagle Airlines
	Atlantic Southeast Airlines, Inc. fka Delta Connection
	Continental Airlines
	Delta Air Lines
	ExpressJet Airlines
	Frontier Airlines
	Hawaiian Airlines
	Jazz Air (Air Canada)
	Jetblue Airways
	Mesa Airlines, Inc. fka America West Express
	Midwest Airlines
	Northwest Airlines
	Skywest Airlines
	Southwest Airlines
	Sun Country
	United Airlines
	USAirway
Cargo Carrier	ABX Air, Incorporated dba Airborne Express
	Ameriflight
	Astar Air Cargo, Inc. fka DHL Airways Inc.
	BAX Global (ATI)
	Federal Express
	Kitty Hawk Aircargo, Inc.
	United Parcel Service Company
	West Air Inc.



Table 3.1 Industrial Operations at SDIA (continued)

Type of Activity	Tenant Name
Fixed Base Operation	Jimsair Aviation Services
Aircraft Fueler	Aircraft Services International Group, Incorporated
	American Airlines
	Jimsair Aviation Services
Fuel Vendor	Allied Aviation Services
	Jimsair Aviation Services
Aircraft Ground Handling Services	ATS
	GAT
	Integrated Airline Services
	Swift Air Service
	Swiss Port
Food Services - Major	HMS Host Corporation
Aircraft and Ground	American Airlines
Service Equipment Maintenance	ATS
	ExecAir
	United Airlines
Jetway Maintenance Service	Elite Line Services Inc. fka Extreme Line Services, Inc.
Airport Operations	SDCRAA - Airside Operations Department and Facilities Maintenance Department

BMP IMPLEMENTATION AND POLLUTION PREVENTION Industrial operations at SDIA are required to implement those BMPs in Chapter 3 and Appendix B of the SWMP relevant to their operations, including the generally applicable site-wide BMPs and pollution prevention measures. The BMPs and pollution prevention measures were discussed with tenants and staff, as necessary, during the site inspections described below.

SUMMARY OF INSPECTIONS

The Environmental Affairs Department inspected industrial operations at SDIA on a quarter-annual basis, with the fourth quarter inspection part of a comprehensive annual site inspection program. All areas of industrial activity and associated sources of stormwater pollution were visually inspected during the quarterly inspections and unauthorized discharges were noted. The annual comprehensive site inspection also included:

1) a review of records; 2) a review and evaluation of all BMPs; 3) a visual inspection of all the equipment needed to implement the BMPs; and
4) the preparation of an evaluation report that summarized the inspection and highlighted any revisions necessary to the BMPs.

In addition to the inspections conducted by the Environmental Affairs Department, the Airside Operations Department also conducted quarterly inspections of the aircraft fueler and fuel vendor operations in accordance with Federal Aviation Administration (FAA) regulations. These inspections are designed to identify safety concerns, but also identify poorly maintained or leaking equipment. The Environmental Affairs Department is advised of any environmental issues discovered during these inspections.

Table 3-2 presents the dates and types of industrial activity inspections conducted by the Authority during FY06-07.

Table 3-2. Industrial Activity Site Inspections Conducted During FY06-07

Date	Inspection Element
07/12/06	Quarterly FAA 139.321(b) Fuel/Fueler Inspection
07/13/06	Quarterly Site Inspection
10/09/06	Quarterly Site Inspection
10/18/06	Quarterly FAA 139.321(b) Fuel/Fueler Inspection
01/09/07	Quarterly FAA 139.321(b) Fuel/Fueler Inspection
02/05/07	Quarterly Site Inspection
04/13/07	Quarterly FAA 139.321(b) Fuel/Fueler Inspection
05/15 through 06/07/07	Annual Comprehensive Site Inspection



Inspections by the Environmental Affairs Department generally found industrial activities to be in substantial compliance with the requirements of the SDIA SWMP and the Municipal Permit Industrial Component. The majority of the required industrial BMPs are being implemented properly. Table 3-3 identifies the types of industrial activity and associated BMPs which were most frequently found as being improperly implemented at the time of inspection. In each instance, BMPs were compared with those required in the SWMP and each operation was directed to correctly implement the relevant BMPs. In general, issues and concerns identified during inspections were corrected as soon as they were brought to the attention of the tenant managing/supervising staff. Based on the inspections, the Authority determined that the BMPs listed in the SWMP were adequate, and no additions or modifications were required. No unauthorized discharges to receiving waters were identified during industrial activity inspections in FY06-07. Poor housekeeping and poor materials/waste management were again frequently identified as issues of concern, along with oily stains and leaking equipment. These concerns were also indentified in both the FY04-05 and FY05-06 Annual Reports. Both of these issues require constant attention from industrial activity site managers/supervisors. It should be noted that uncontrolled washing activities had been identified as an issues of concern in all 3 of the previous Annual Reports prepared by the Authority. Since uncontrolled washing was not identified as an issue of concern by the FY06-07 industrial activity inspection program, it would appear that the tenants are improving their implementation of BMPs.

Table 3-3. Types of Industrial Activities for Which BMPs Were Being Improperly Implemented as Determined During Site Inspections

Industrial Activity	BMPs Required by SDIA SWMP
Improper storage of materials.	SC-7 - Outdoor Storage of Significant Materials
Oily stains on the ground surface. Used absorbent left on ground surface.	SC-2 - Aircraft, Ground Vehicle and Equipment Maintenance SC-3 - Aircraft, Ground Vehicle and Equipment Fueling SC-8 - Waste/Garbage Handling and Disposal
Improper storage of waste.	SC-8 - Waste/Garbage Handling and Disposal
Leaking vehicles or equipment.	SC-2 - Aircraft, Ground Vehicle and Equipment Maintenance

COMPLIANCE AND ENFORCEMENT ACTIONS

The Authority's industrial activity inspection program found 9 separate industrial operations which were improperly implementing the required relevant industrial BMPs. The 9 industrial operations were issued a written notice in response to issues identified during the annual comprehensive site inspection. Each notice detailed the concerns regarding BMP implementation identified by the Environmental Affairs Department during the inspection, requested corrective action and written response within a specific time-frame, and provided information on the proper implementation the particular BMPs required for their activities. The concerns identified during the inspection are listed in Table 3-4 below. Each item was addressed satisfactorily and no further enforcement actions were initiated.

Table 3-4. Industrial Operation Compliance Concerns Identified during Site Inspections and Dates of Resolution

Operation	Compliance Issue(s)	Type & Date of Notice	Date of Resolution
American Eagle	Oily stains in operation areas.	Written - 05/25/07	05/29/07
Capital Cargo	Used dry absorbent left on ground. Oily stains in operation areas. Improper storage of material and waste.	Written - 05/30/07	06/19/07
DAL Global Services	Stains in operations areas. Leaking equipment.	Written - 06/01/07	06/14/07
Elite Line Services, Inc.	Improper storage of material.	Written - 05/31/07	06/20/07
Jimsair Aviation Services, Inc.	Improper storage of material. Leaking equipment.	Written - 06/08/07	06/26/07
Northwest Airlines, Inc.	Oily stains and spills in operation areas. Improper storage of material and waste.	Written - 05/25/07	06/06/07
Skywest Airlines	Improper storage of material and waste.	Written - 06/05/07	06/08/07
Timco	Improper storage of waste.	Written - 05/29/07	05/31/07
United Airlines, Inc.	Stains in operations areas. Improper storage of materials.	Written - 05/24/07	06/05/07



REVISIONS TO THE SWMP

The SWMP was last revised in January of 2005. During FY06-07, the inventory of industrial operations changed with the addition of 1 new tenant, namely, ExpressJet Airlines. As noted at the end of Chapter 2 of this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.

Storm Water Management Plan - Municipal Stormwater Permit





4 Commercial Component of Existing Development

This chapter presents the stormwater management activities during FY06-07 that address the Commercial Component of the Municipal Permit. There are several airport tenant facilities and/or operations subject to the Commercial Component. Chapters 2, 3, 6, and 7 of the SDIA SWMP describe the stormwater management controls applicable to commercial activities.

SOURCE IDENTIFICATION AND PRIORITIES (INVENTORY)

Fifteen (15) of the 56 tenants listed in the facility inventory of the SWMP are identified as commercial operations subject to the Commercial Component requirements of the Municipal Permit. These 15 entities are listed in Table 4-1.

BMP IMPLEMENTATION AND POLLUTION PREVENTION

Commercial operations at SDIA are required to implement those BMPs in Chapter 3 and Appendix B of the SWMP relevant to their operations, including the generally applicable site-wide BMPs and pollution prevention measures. These BMPs and pollution prevention measures were discussed with tenants, as necessary, during the site inspections described below.

Table 4-1. Commercial Operations at SDIA

Type of Activity	Water Quality Threat Priority	Tenant Name	
Janitorial Services	High	SPC Airport Services, Inc.	
Food Service	Medium	La Salsa/Submarina dbe under HMS Host	
	Medium	McDonald's dbe under HMS Host	
	Medium	Nine Dragons dbe under HMS Host	
	Medium	Gate Gourmet	
Passenger Services	Medium	Huntleigh USA Corporation	
Medium		ITS (aka SMS)	
	Medium	Primeflight Aviation Services	
Retail Concessionaires Low		Casa Fenix dba Express Bodicare and Images of CA	
	Low	Procurement Concepts	
	Low	Smarte Carte, Incorporated	
	Low	Travelex America, Incorporated	
Other	Low	Aeronautical Radio, Incorporated	
	Low	NSEI	
	Low	Travelers Aid Society of San Diego, Incorporated	

SUMMARY OF INSPECTIONS

The Environmental Affairs Department inspected commercial operations on a quarter-annual basis, with the fourth quarter inspection part of a comprehensive annual site inspection program. All areas of commercial activity and associated sources of stormwater pollution were visually inspected and unauthorized discharges were noted. The annual comprehensive site inspection also included: 1) a review of records; 2) a review and evaluation of all BMPs; 3) visual inspection of all the equipment needed to implement the BMPs; and 4) the preparation of an evaluation report that summarized the inspection and highlighted any revisions necessary to the BMPs. Table 4-2 presents dates on which the quarterly and annual commercial activity site inspections were conducted during FY06-07.



Table 4-2. Commercial Activity Site Inspections Conducted during FY05-06

Date	Inspection Element	
07/13/06	Quarterly Site Inspection	
10/09/06	Quarterly Site Inspection	
02/05/07	Quarterly Site Inspection	
05/15 through 06/07/07	Annual Comprehensive Site Inspection	

Overall, the inspections found the facilities to be properly implementing the required BMPs. SDIA SWMP BMP SC-7 - Outdoor Storage of Significant Materials was the only BMP found to be implemented improperly. Based on the inspection program, the Authority determined that the BMPs listed in the SWMP were adequate, and no additions or modifications were required. No unauthorized discharges to receiving waters were identified during commercial activity inspections in FY06-07.

COMPLIANCE AND ENFORCEMENT ACTIONS

The Authority's inspection program found that tenant commercial activities were generally in compliance with the SWMP. Only one operation was found to be improperly implementing the required relevant commercial BMPs. The operator was issued a written notice detailing the concern regarding BMP implementation identified by the Environmental Affairs Department during the inspection. The notice requested corrective action and written response within a specific time-frame, and provided information on the proper implementation the particular BMP required for their activities. The concern identified during the inspection is listed in Table 4-3 below. The item was addressed satisfactorily and no further enforcement actions were initiated. There were no further enforcement actions taken during FY05-06.

Table 4-3. Commercial Operation Compliance Concerns Identified during Site Inspections and Dates of Resolution

Operation	Compliance Issue(s)	Type & Date of Notice	Date of Resolution
SPC Airport Services, Inc.	Improper storage of materials.	Written - 05/31/07	06/11/07

REVISIONS TO THE SWMP

The SWMP was last revised in January of 2005. As noted at the end of Chapter 2 of this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.





5 Residential Component of Existing Development

As stated several times in the SDIA SWMP (specifically, in the Executive Summary, Section 5.2, and Appendix A), as well as the Introduction to this Annual Report, there are no residential land uses or activity areas within the Authority's jurisdiction. For this reason and consistent with the previous Annual Report, the FY06-07 Annual Report contains no discussion of activities conducted by the Authority relative to the Residential Component of the Municipal Permit.

Please note, however, that both the SDIA SWMP and Annual Reports discuss issues relative to the general public under the Education and Public Participation components (Chapters 9 and 10 of this report).

Storm Water Management Plan - Municipal Stormwater Permit





6 Land Use Planning for New Development and Redevelopment Component

The Municipal Permit requires that the Authority land use planning policies, principles, and processes support efforts to minimize the short- and long-term impacts of land development activities on receiving water quality. The Municipal Permit requires evaluation of the SDIA Master Plan and modification of the development project approval process and environmental review process, as necessary, to reduce pollutants and runoff flows from development and redevelopment projects to the maximum extent practicable. Aspects of the Authority's master planning process and development approval process relevant to stormwater management are outlined in Chapter 4 of the SDIA SWMP. Each of the previous Annual Reports noted that the SDIA Master Plan had not yet been adopted by the Airport Authority Board. The situation remained unchanged during FY06-07: the SDIA Master Plan was not adopted. This chapter of the Annual Report discusses compliance activities relative to land use planning and development/redevelopment activities at the SDIA during FY06-07.

LAND USE PLANNING ACTIVITIES

The Authority Airport Planning Department is responsible for development and implementation of the Airport Master Plan and the environmental review processes required by the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA). The following discussion builds upon the information presented in previous

Annual Reports and outlines events conducted by the Authority during this reporting period related to the continuing development and public review of the Airport Master Plan. As noted in earlier Annual Report, there are five primary steps to the Airport Master Plan process and on June 6, 2005, the Authority Board adopted a resolution authorizing staff to begin the last step, specifically, the preparation of an implementation plan for the SDIA Airport Master Plan and initiation of the environmental review processes in accordance with the California Environmental Quality Act (CEQA).

The Airport Master Plan, which guides the future development of SDIA, consists of two key components. The first is the Airport Land Use Plan and the second is implementation of specific projects contained in the Airport Master Plan, called the Airport Implementation Plan. The Airport Land Use Plan depicts the boundaries of SDIA and describes existing and proposed land uses and future planning areas. The Airport Land Use Plan will describe four general categories of land use on the airport: airfield, terminal, ground transportation and airport support. For the Airport Land Use Plan, the Authority will describe programs for airport uses, request programmatic approvals and will follow with future project specific environmental consideration. The Airport Implementation Plan is intended to provide project-level approvals for those elements that are to be developed at this time. The Authority has identified specific physical improvements at SDIA to allow the airport to effectively continue its mission of serving San Diego's commercial air transportation needs as currently forecasted.

Adoption of the Airport Master Plan by the Authority Board requires compliance with the California Environmental Quality Act (CEQA). To that end, on September 19, 2005, the Authority released a Notice of Preparation (NOP) for a Draft Environmental Impact Report (EIR) for the Airport Master Plan (the airport land use plan and implementation plan) for San Diego International Airport. On January 13, 2006, the Authority released a Revised NOP for a Draft EIR for the Airport Master Plan. The NOP was revised to explain project elements that been added to the Implementation Plan portion of the Master Plan. On May 22, 2006, the Authority released the Draft EIR for public review and comment for a 120-day period through September 18, 2006. The Draft EIR noted that hydrology, water quality, and urban runoff impacts could all be mitigated.



The Draft EIR released in May 2006 limited environmental consideration to those forecast through the year 2015. Significant public comment suggested that the Draft EIR should consider potential environmental impacts to regional transportation through the year 2030, since much of the regional transportation planning uses 2030 as a planning horizon. In response to these comments, on December 4, 2006, the Airport Authority Board directed staff to prepare a Final EIR that addressed all comments received and to provide projected traffic and other associated transportation impacts through the year 2030. However, on May 3, 2007, the Airport Authority Board directed staff to include two new alternatives into the EIR. The inclusion of these alternatives would require revising and re-issuing the Draft EIR - and preclude the need for the Final EIR requested by the Airport Authority Board in December of 2006. By the end of the FY06-07 reporting period, a revised Draft EIR had not yet been released.

The certification of a Final EIR and the subsequent adoption of the Airport Master Plan will ensure that a responsible planning and mitigation program will be implemented at SDIA that considers the full range of development possibilities, cumulative impacts, and mitigation opportunities related to water quality and stormwater runoff pollution prevention.

SUSMP IMPLEMENTATION AND POST-CONSTRUCTION BMPS The Authority Standard Storm Water Mitigation Planning (SUSMP) process is outlined in Section 4.2.2 and Appendix C of the SWMP. The only development project subject to the SUSMP requirements during FY06-07 was Capital Improvement Project (CIP) #3057 - Installation of the Engineered Materials Arresting System (EMAS) within the Runway Safety Area. An area of crushable material located at the west end of the runway, the EMAS is designed to decelerate and arrest an aircraft that has overrun the runway. Since construction of the EMAS Project began in May of 2006, it was previously discussed in this same section of the FY05-06 Annual Report.

The Authority SUSMP process as applied to the EMAS Project required preparation of an Urban Storm Water Mitigation Plan (USWMP) by a civil engineer registered in the State of California. The EMAS Project USWMP was submitted to and approved by the Authority Environmental Affairs Department. The site design, source control, and treatment control BMPs recommended by the USWMP were incorporated into the project. The

USWMP found that there were no primary pollutants of concern (POCs) associated with the project and that the secondary POCs were total aluminum, total and dissolved copper, total iron, TSS, and total zinc. The EMAS Project USWMP further determined that the most significant secondary POCs were copper and zinc. Table 6-1 presents a description of the project and the site design, source control, and treatment control BMPs that were incorporated into the project.

Table 6-1. SDIA Development/Redevelopment Projects Subject to SUSMP during FY06-07

Project Name and Description	Site Design and Post-Construction BMPs	Project Status During FY06-07
CIP Project #3057 - Installation of Engineered Materials Arresting System (EMAS) within the Runway Safety Area. Installation of approximately 2.25 acres of crushable pavement	Site Design - Strict safety guidelines outlined by the Federal Aviation Administration limited the area available for site design BMPs. The location and nature of the EMAS project further limited incorporation of extensive site design BMPs. As a result of these limitations, site design BMPs were not considered economically or technically practicable. However,	Continued from June 2006 and completed October 2007
designed to decelerate and arrest an aircraft that has overrun the runway. The EMAS Project area covered approximately 10 acres and included the relocation of existing	existing vegetation was not disturbed in order to minimize clearing and exposure of sediment and soil. Since the EMAS installation project redevelops an already developed area, runoff characteristics did not change significantly from pre-project conditions.	
radio antennas and lighting structures. The EMAS itself has a total paved area footprint of 250 feet wide by 395 feet long to accommodate the 315-foot by 218 foot EMAS. The installation also required the abandonment of existing drainage facilities and the installation of a new 12-inch	Source controls - BMPs were selected from those listed in the Authority's SWMP. The applicable source control BMPs implemented following construction of the EMAS include: 1) non-stormwater management; 2) employee training; 3) outdoor wash-down and sweeping; 4) storm drain maintenance; 5) housekeeping; 6) spill prevention, control, and cleanup; and 7) legacy soil contamination management.	
drainage line on the north side of the EMAS, connecting a new catch basin to an existing 18-inch storm drain, as well as a new drainage line on the south side of the EMAS that connects to an existing 54-inch storm drain.	Treatment controls - The same site limitations associated with site design BMPs resulted in selection of drainage or catch basin filter inserts as the most economically and technically practicable treatment control BMP.	



In response to the RWQCB staff comment to "please provide a status report on the progress of the Installation of Engineered Materials Arresting System (EMAS), and a projected completion date for the project" (The October 31, 2007 RWQCB Review Letter), the Authority reports that the construction of the EMAS Project began in May of 2006, continued into the FY06-07 reporting period, and was finally completed in October of 2007 (as shown in Table 6-1).

REVISIONS TO THE SWMP

There are no revisions to the Land Use Planning for New Development and Redevelopment Component portions of the SWMP. The SWMP was last revised in January of 2005. As noted at the end of Chapter 2 of this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.

Storm Water Management Plan - Municipal Stormwater Permit





7 Construction Component

Construction activities at SDIA are subject to the Construction Component of the Municipal Permit, whether conducted by the Authority or airport tenants. These activities and the stormwater management controls placed on them are outlined in Chapter 5 of the SDIA SWMP. This section of the Annual Report discusses construction activities at SDIA during FY06-07.

SOURCE IDENTIFICATION AND PRIORITIES (INVENTORY)

There were 8 construction projects at SDIA during the reporting period that required the implementation of storm water management controls. All other construction activities were conducted either entirely indoors or without elements that required the implementation of BMPs. All 8 projects were initiated by the Authority (none by airport tenants). The 8 projects subject to the Construction Component requirements of the Municipal Permit are listed in Table 7-1 below.

The Authority determined that all 8 projects were medium threats to water quality in accordance with the Municipal Permit. The October 31, 2007 RWQCB Review Letter noted that the EMAS Project should be designated as a high, and not medium, threat to water quality, since the EMAS Project USWMP determined that the secondary pollutants of concern were copper and zinc (see discussion in Section 6 above) and "the northern section of San Diego Bay is known to be an impaired water body for copper." Nevertheless,

Table 7-1. SDIA Construction Projects - FY06-07

#	Sponsor	Project Name	Project Description	Status during FY06-07
1	Authority	CIP #3057 EMAS	Improve runway safety area by upgrading the instrument approach and installing an Engineered Materials Arresting System.	Continued from June 2006 and completed October 2006
2	Authority	CIP #3056A Reseal PCC Joints	Pavement and joint repair for airfield pavement including taxiway, runway, and aprons.	Continued from June 2006 and completed November 2006
3	Authority	CIP #4024 Resurface Runway 9/27 and Taxiway B	Resurface runway and taxiway, rehabilitate centerline and touchdown zones lighting systems.	Started July 2006 and completed November 2006
4	Authority	CIP #3096I T1E 100% Baggage Screening	Construct structural canopy and baggage conveyor system in Terminal 1 East.	Continued from June 2006 and completed December 2006
5	Authority	CIP #3060A Replace ARFF Bay Doors	Construct support wall, widen door spaces, and install new doors at the ARFF station.	Continued from June 2006 and completed March 2007
6	Authority CIP #4023 Rehabilitate Parking Lot #6 Resurface, reseal, repave, and restripe employee Parking Lot #6 Harbor Island.		Started December 2006 and completed March 2007	
7	Authority	CIP #4027/4032 Install Elevator/ Reconfigure Checkpoint 3	Install elevator at Terminal 1 East and reconfigure Checkpoint 3 at Terminal 1 West.	Started in February 2007 and continued through June 2007
8	Authority	CIP #3078 Paint Terminal 1 & Terminal 2 Pedestrian Bridges	Resurface and repaint pedestrian bridges and pavilions.	Started in April 2007 and continued through June 2007

we continue to identify the EMAS Project as a medium threat to water quality in this Annual Report since the 303(d) List used in the EMAS Project USWMP was the list that had been officially approved by the USEPA at the time the threat to water quality determination, namely, the 2002 303(d) List (the 2006 303(d) List not being approved until June 28, 2007). The 2002 303(d) List identifies only "San Diego Bay, Shelter Island Yacht Basin" (with an estimated size of affected area to be only 153 acres) to be impaired for dissolved copper. Stormwater runoff from the area of the EMAS Project drains into the Navy Channel portion of San Diego Bay, well away from the Shelter Island Yacht Basin. The threat to water quality determination is now really a mute point since the project was completed in October of 2006, well before receipt of the October 31, 2007 RWQCB Review Letter.



BMP IMPLEMENTATION AND POLLUTION PREVENTION

All construction activities at SDIA are subject to the SDIA SWMP and are required to implement the BMPs relative to these activities discussed in Chapter 5 of the SWMP, including the generally applicable pollution prevention measures. These BMP requirements and pollution prevention measures were discussed, as necessary, with Authority staff and the construction contractors performing the work during inspections and regularly-scheduled (typically weekly) progress meetings.

SUMMARY OF INSPECTIONS

During the reporting period, the Environmental Affairs Department conducted regular inspections of all construction projects listed in Table 7-1. Inspections were typically conducted on a weekly basis during both the wet and dry seasons. All areas of construction activity, the sources of stormwater pollution, and the adequacy and effectiveness of the BMPs being implemented were visually inspected. Inspectors also investigated the sites for evidence of existing or potential unauthorized discharges.

Table 7-2 shows the 8 construction projects inspected during the fiscal year, the corresponding threat to surface water quality prioritization, and the dates of inspection. A total of 170 inspections were conducted during FY06-07.

Along with the regular site inspections, the Environmental Affairs Department also participated in pre-construction meetings and regularly-scheduled (typically weekly) construction progress meetings. These meetings allow the Environmental Affairs Department to reinforce storm water pollution prevention principles and to discuss the BMPs specific to the project. The Environmental Affairs Department participated in a total of 94 construction project-related meetings during FY06-07.

In addition to inspections and meeting attendance by the Environmental Affairs Department, the Facilities Development Department (FDD - responsible for project management) has dedicated inspection staff on site for each project every day of construction activity. The FDD construction inspectors are familiar with proper storm water BMP implementation and are trained to raise immediate stormwater concerns with the construction contract site supervisor. Stormwater concerns that require additional follow-up are brought to the attention of the Environmental Affairs Department.

Table 7-2. Construction Activity Inspections at SDIA during FY06-07

#	Project Name	Water Quality Threat Priority		Inspection Dates	
1	CIP #3057 - EMAS	Medium	July 5, 2006 July 12, 2006 July 14, 2006 July 21, 2006 July 28, 2006 August 18, 2006 August 25, 2006	August 28, 2006 August 30, 2006 September 6, 2006 September 8, 2006 September 12, 2006 September 13, 2006 September 20, 2006	September 22, 2006 October 2, 2006 October 5, 2006 October 19, 2006 October 25, 2006 November 9, 2006
2	CIP #3056A - Reseal PCC Joints	Medium	July 5, 2006 July 7, 2006 July 12, 2006 July 14, 2006	July 21, 2006 August 1, 2006 August 2, 2006 August 4, 2006	August 7, 2006 August 18, 2006 August 25, 2006 September 6, 2006
3	CIP #4024 Resurface Runway 9/27 and Taxiway B	Medium	July 9, 2006 July 12, 2006 July 18, 2006 July 24, 2006 July 28, 2006 August 3, 2006	August 8, 2006 August 9, 2006 August 16, 2006 August 25, 2006 September 13, 2006 September 22, 2006	October 2, 2006 October 5, 2006 October 19, 2006 November 27, 2006
4	CIP #3096I T1E 100% Baggage Screening	Medium	July 7, 2006 July 14, 2006 July 18, 2006 August 1, 2006 August 2, 2006 August 4, 2006 August 8, 2006 August 8, 2006 August 22, 2006 August 25, 2006 August 25, 2006 August 28, 2006 September 5, 2006 September 6, 2006 September 7, 2006 September 8, 2006 September 8, 2006 September 12, 2006	September 13, 2006 September 18, 2006 September 22, 2006 October 2, 2006 October 9, 2006 October 12, 2006 October 17, 2006 November 1, 2006 November 3, 2006 November 6, 2006 November 20, 2006 November 21, 2006 November 22, 2006 November 22, 2006 November 27, 2006 November 29, 2006 November 30, 2006 December 4, 2006 December 4, 2006	December 18, 2006 December 20, 2006 December 27, 2006 December 28, 2006 January 2, 2007 January 8, 2007 January 9, 2007 January 16, 2007 January 31, 2007 February 2, 2007 February 6, 2007 February 8, 2007 February 12, 2007 February 16, 2007 February 16, 2007 February 16, 2007 February 20, 2007 February 20, 2007 February 23, 2007



Table 7-2. Construction Activity Inspections at SDIA during FY06-07 (continued)

#	Project Name	Water Quality Threat Priority		Inspection Dates	
5	CIP #3060A Replace ARFF Bay Doors	Medium	July 12, 2006 July 24, 2006 August 1, 2006 August 4, 2006 August 7, 2006 October 2, 2006 October 5, 2006 October 19, 2006 October 25, 2006	October 31, 2006 November 9, 2006 November 22, 2006 November 29, 2006 December 8, 2006 December 15, 2006 December 28, 2006 January 5, 2007 January 18, 2007	January 25, 2007 February 1, 2007 February 7, 2007 February 16, 2007 February 23, 2007 March 2, 2007 March 6, 2007 March 12, 2007
6	CIP #4023 Rehabilitate Parking Lot #6	Medium	January 16, 2007 January 18, 2007 January 23, 2007 January 25, 2007 January 26, 2007	February 1, 2007 February 14, 2007 February 20, 2007 February 23, 2007 February 5, 2007	March 2, 2007 March 5, 2007 March 12, 2007
7	CIP #4027/4032 Install Elevator/ Reconfigure Checkpoint 3	Medium	March 2, 2007 March 19, 2007 April 3, 2007	April 18, 2007 May 7, 2007 May 14, 2007	May 22, 2007 June 12, 2007 June 19, 2007
8	CIP #3078 Paint Terminal 1 & Terminal 2 Pedestrian Bridges	Medium	April 5, 2007 April 10, 2007 April 17, 2007 April 18, 2007 April 26, 2007 April 27, 2007 May 1, 2007	May 7, 2007 May 16, 2007 May 10, 2007 May 11, 2007 May 18, 2007 May 29, 2007 May 31, 2007	June 4, 2007 June 5, 2007 June 12, 2007 June 14, 2007 June 20, 2007 June 27, 2007 June 28, 2007

The Environmental Affairs Department continues to provide stormwater pollution prevention training to construction project managers, developers, and contractors, both on site and during project meetings. The results of the inspections were discussed with the construction contract site supervisor, typically at the end of each inspection and again during regular progress meetings. When necessary, inspectors required corrective actions and/or modification to the BMPs being employed on the project.

Table 7-3 identifies the construction activities for which BMPs were not properly implemented. Poor housekeeping and poor materials/waste management were the issues of concern most frequently identified. These concerns were also indentified in both the FY04-05 and FY05-06 Annual Reports. Both of these issues require constant attention from construction site supervisors. While concrete waste management was not identified as frequently as other material and waste management concerns during site inspections, concrete waste management and storm drain inlet protect also require the constant attention of construction site supervisors and inspectors.

The construction oversight conducted by the Environmental Affairs Department generally found these 8 projects to be in substantial compliance with the requirements of the SDIA SWMP and the Municipal Permit Construction Component. In general, all the issues and concerns identified during inspections were corrected as soon as they were brought to the attention of the construction contract supervisor. No unauthorized discharges to receiving waters were identified during construction site inspections in FY06-07.

Table 7-3. Types of Construction Activity for which BMPs Were Most Frequently Not Properly Implemented as Determined During Site Inspections - FY06-07

Construction Activity	BMPs Required in SDIA SWMP*
Materials not properly managed or stored	WM-1 Material Delivery and Storage
Solid waste not properly managed or stored	WM-5 Solid Waste Management

^{*} As noted in the SDIA SWMP, required Construction BMPs are generally those listed in the CASQA California Stormwater Best Management Practice Handbook for Construction Activity.



COMPLIANCE AND ENFORCEMENT ACTIONS

The issues noted in Table 7-3, identified during site inspections, were generally resolved through verbal communication with the construction contract site supervisor in the field and at weekly progress meetings. The Environmental Affairs Department did not issue any written notices for stormwater violations at construction sites during FY06-07.

EDUCATION FOCUSED ON CONSTRUCTION ACTIVITIES

The Authority's efforts during FY06-07 to provide focused education to construction project managers, developers, and contractors regarding stormwater management concerns and construction activities are discussed in Chapter 9 - Education.

REVISIONS TO THE SWMP

There are no revisions to the Construction Component of the SWMP. The SWMP was last revised in January of 2005. As noted at the end of Chapter 2 of this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.

Storm Water Management Plan - Municipal Stormwater Permit





8 Illicit Discharge Detection and Elimination Component

Chapter 7 of the SWMP describes the illicit discharge detection and elimination (IDDE) program conducted by the Authority. The Authority has established the following program elements to detect illegal discharges:

a) routine visual inspections of the entire airport and the MS4;

b) implementation of a dry weather monitoring program; and c) public reporting mechanisms. The program is designed to be adaptive and allow for: a) periodic assessment of the data and information collected;

b) re-evaluation of areas of concern; and c) implementation of clean-up and/or enforcement efforts, as necessary. This chapter of the Annual Report outlines IDDE program activities conducted during FY06-07.

SITE-WIDE AND MS4-SPECIFIC INSPECTION ACTIVITIES In order to ensure the health and safety of the 17 million plus members of the traveling public that pass through SDIA annually, the airport facilities are under constant visual and electronic surveillance by several different Authority Departments, including Airside Operations, Landside Operations, and Airport Security and Public Safety. SDIA is under 24-hour surveillance due in large part to the heightened security measures put in place after September 11, 2001. The concerns for safe operation of the facilities and early detection of suspicious activity mean virtually every action is subject to visual observation and reporting, including any activity or incident that may be an environmental or stormwater management concern, such as a fuel spill during aircraft fueling operations or an overfilled trash can in the parking lot.

The constant surveillance at SDIA includes the routine daily inspections of the airport terminals, runways, and airside operations by the Airside Operations Supervisors. These inspections are one element of the IDDE program, since any environmental issues are both reported to the Environmental Affairs Department and captured in the SDIA daily log. The remaining elements of the IDDE program at SDIA are conducted by the Environmental Affairs Department.

The Environmental Affairs Department conducts monthly inspections of the entire facility and the above-ground portions of the MS4 during the wet season (October 1 - May 31). These inspections are designed to identify unauthorized stormwater discharges and to ensure that BMPs are being implemented properly and operating as designed. The Environmental Affairs Department also conducts visual observations of non-stormwater discharges on a quarter-annual basis.

Taken as a whole, the surveillance and inspection activities represent the site-wide and MS4-specific inspection elements of the IDDE program at SDIA. The information in Table 8-1 highlights the regular inspection activities conducted by the Environmental Affairs Department during the reporting period.

DRY WEATHER MONITORING PROGRAM

The Authority has developed a Dry Weather Monitoring Program in compliance with the Municipal Permit to characterize dry weather flows at the SDIA, to eliminate illicit connections and illegal discharges, and to help identify pollutants of concern. The Authority's dry weather monitoring program utilizes monitoring, sample analysis, and data interpretation procedures consistent with those developed by the Copermittees. The program features designated monitoring locations and frequencies, field screening/sampling procedures, data interpretation techniques, and follow-up investigation and reporting procedures. The Permit requires the Authority to perform dry weather monitoring at least once between May 1 and September 30 each year. However, over the last two seasons, the Authority has increased the number of monitoring events to 3 each season and has timed these events to coincide with dry weather sampling being conducted by the Port of San Diego and the City of San Diego on the same day.



Table 8-1. IDDE MS4 Inspection and Monitoring Conducted During FY06-07

Date	Inspection Element	
07/13/06	Dry Weather Monitoring	
07/13/06	Quarterly authorized/unauthorized non-stormwater discharge monitoring	
08/10/06	Dry Weather Monitoring	
10/09/06	Quarterly authorized/unauthorized non-stormwater discharge monitoring	
10/14/06	Monthly Wet Weather Monitoring - sample collected	
11/14/06	Monthly Wet Weather Visual Observations	
11/27/06	Monthly Wet Weather Visual Observations	
12/16-17/06	Monthly Wet Weather Monitoring - sample collected	
01/30/07	Monthly Wet Weather Visual Observations	
02/05/07	Quarterly authorized/unauthorized non-stormwater discharge monitoring	
02/27/07	Monthly Wet Weather Visual Observations	
03/21/07	Monthly Wet Weather Visual Observations	
04/12/07	Monthly Wet Weather Visual Observations	
04/20/07	Monthly Wet Weather Visual Observations	
05/15/07	Quarterly authorized/ unauthorized non-stormwater discharge monitoring	
05/21/07	Dry Weather Monitoring	
05/22/07	Dry Weather Monitoring (follow-up)	
06/18/07	Dry Weather Monitoring	

The Authority has implemented a dry weather monitoring program since 2003. The program originally started with four dry weather monitoring locations, but has since expanded to ten locations in FY06-07. Over the past four years, the dry weather monitoring program has been continuously evaluated and improved to represent the land use activities at the Airport. The Authority now follows a Storm Water Sampling Plan (Sampling Plan), prepared in November of 2005, which provides a framework for both the wet weather and dry weather programs at the airport. The November 2005

Sampling Plan provides greater statistical power in the interpretation data and the assessment of long-term program effectiveness. The new sampling program outlined in the November 2005 Sampling Plan was first implemented for dry weather monitoring during FY06-07.

There were 14 dry weather monitoring stations at the Airport during the reporting period, a reporting period that included portions of two dry seasons: the months of July, August, and September of 2006 (FY06 Dry Season) and the months of May and June of 2007 (FY07 Dry Season). The dry weather monitoring stations are evaluated and adjusted, if needed, at the beginning of each dry season to ensure that land use and other operational activities are properly evaluated and represented. As such, although only 10 locations were monitored in each Dry Season, there was a total of 14 sites monitored during the FY06-07 monitoring program, since a) the locations of 2 sites were 'revised/relocated" between Dry Seasons, and b) 2 sites from the FY06 Dry Season were dropped and replaced with 2 new sites in the FY07 Dry Season. In total, there were four scheduled dry weather monitoring events during FY06-07: 1) July 13, 2006; 2) August 10, 2006; 3) May 21, 2007; and 4) June 18, 2007. There was also one follow-up sampling event conducted on May 22, 2007, in response to the results of the dry weather monitoring event conducted the day before.

Each monitoring station Site ID has the format C-BXX-X, where: C denotes "compliance sampling" in accordance with the Municipal Permit; B denotes the drainage basin number in which the site is located (-BXX-); and the last number is the site number (-X). Site numbers ending in "A" are alternate sites for use when salt water intrusion has been identified at a primay monitoring site. Site numbers ending in "R" indicate that the location was revised/replaced between dry seasons. Samples were taken at all sites with flowing or ponded water. Conductivity was the first field parameter measured. If the specific conductance of the sample was high enough to suggest that the sample was likely seawater, then the sample was not subjected to additional field screening or laboratory analysis. The field data sheets and analytical data reports for the FY06-07 dry weather monitoring program are presented in Appendix A. The results of the FY06-07 program are discussed below.



Site C-B01-1 - the site was dry and there was no evidence of surface runoff to the site during the two monitoring events conducted in the FY06 Dry Season. Ponded water was present at the site during the two monitoring events conducted in the FY07 Dry Season. The water was observed to have a yellow color each time, although all field analyses results were below the action levels. Laboratory analyses showed that copper concentrations exceeded the action level each time, and zinc concentrations exceeded the action level on only the first of the two occasions. There was no evidence of an illegal discharge in the vicinity and no up stream sources identified. The laboratory results for copper and zinc are consistent with the results of the Authority's wet weather sampling program.

Site C-B03-2 - ponded water was present at the site during all four monitoring events. High levels of conductivity suggested the water resulted from seawater intrusion at the site, so no further field analyses were conducted and no laboratory analyses were performed.

Site C-B04-9 - ponded water was present at the site during the two monitoring events conducted in the FY06 Dry Season. High levels of conductivity each time suggested the water resulted from seawater intrusion, so no further field analyses were conducted and no laboratory analyses were performed.

Site C-B04-9A - is the alternate to C-B04-9 and located approximately 25 feet from Site C-B04-9. As the alternate, this site is monitored if and when the water present at Site C-B04-9 is determined to be salt water. Each time salt water was found at Site C-B04-9 during the FY06 Dry Season, salt water was also found at site C-B04-9A. For these reasons, Sites C-B04-9 and C-B04-9A were both removed from the dry weather monitoring program at the beginning of the FY07 Dry Season.

Site C-B05-3 - the site was dry and there was no evidence of surface runoff to the site during the two monitoring events conducted in the FY06 Dry Season.

Site C-B05-3R - this site is the replacement site for C-B05-3. The site was adjusted at the start of the FY07 Dry Season after further evaluation of the site location and drainage area. Site C-B05-3R is located in the middle of a large gravel parking lot on the north side of the airport property. A water truck is employed daily during the dry season to control dust at the parking lot. During the May 21, 2007 monitoring event, there was very shallow water ponded at the bottom of the catch basin sample point. There was not a sufficient volume to take a sample for laboratory analysis, but there was enough for field screening. The sample did not exceed any action levels during field screening. During the June 18, 2007 monitoring event, there was very shallow water ponded in the catch basin, but there was not enough volume to take a sample for field or laboratory analysis.

Site C-B05-4 - the site was dry and there was no evidence of surface runoff to the site during all four monitoring events conducted in FY06-07.

Site C-B06-5 - ponded water was observed during the July 13, 2006 monitoring event, however, the high level of conductivity suggested seawater intrusion at the site, so no further field analyses were conducted and no laboratory analyses were performed. The site was dry during the other 3 monitoring events conducted in FY06-07.

Site C-B07-6 - the site was dry and there was no evidence of surface runoff to the site during the two monitoring events conducted in the FY06 Dry Season.

Site C-B07-6R - this site is the replacement site for C-B07-6. The site was adjusted at the start of the FY07 Dry Season after further evaluation of the site location and sampling point. Located approximately 20 feet from the old sample location, Site C-B07-6R should provide better opportunities to collect water samples, if and when water is present. However, during the two monitoring events conducted during the FY07 Dry Season, the site was dry and there was no evidence of surface runoff to the site.



Site C-B07-7 - the site was dry and there was no evidence of surface runoff to the site during all four monitoring events conducted in FY06-07.

Site C-B08-8 - the site was dry and there was no evidence of surface runoff to the site during the first monitoring event conducted during the FY06 Dry Season. Ponded water was observed at this site during the August 10, 2006 monitoring event, however, the high level of conductivity suggested seawater intrusion at the site, so no further field analyses were conducted and no laboratory analyses were performed. During both monitoring events conducted during the FY07 Dry Season, enough ponded water was present to allow for both field and laboratory analyses. During the May 21, 2007 monitoring event, the ammonia (NH3-N) concentration equaled the action level of 1.0 mg/L. The sample did not exceed any of the action level for laboratory analytes. A follow-up investigation was performed for ammonia within 24 hours. On May 22, 2007, the ammonia concentration was still at the action level of 1.0 mg/L NH3-N. Additional samples were taken from the MS4 approximately 25 feet east and southwest of the site. On the east side, the ammonia concentration was 2.5 mg/L, and on the southwest side, the ammonia concentration was 1.5 mg/L. There was no surface runoff to the site on either May 21 or May 22, 2007, and there was no evidence of an illegal discharge observed during the follow-up event. Trash and debris was observed in MS4 at the east and southwest locations on May 22, 2007. Two other sample points in the upstream portion of the MS4 which contained ponded water on May 22, 2007, showed high levels of conductivity suggestive of salt water intrusion. Since the laboratory sample collected on May 21, 2007, did not exceed any action levels, it was determined that the trash and debris may be the cause of the ammonia and that the site should be closely evaluated during future dry weather monitoring events. During the final monitoring event of FY06-07, on June 18, 2007, ponded water was again observed at C-B08-8, however, neither the field nor laboratory action levels were exceeded.

Site C-B09-10 - the site added to the dry weather monitoring program at the start of the FY07 Dry Season. While the site was found to have residual moisture during both monitoring events conducted during the FY07 Dry Season, there was no evidence of surface runoff to the site and there was not enough volume to take a sample for either field or laboratory analyses.

Site C-B12-9 - the site was also added to the dry weather monitoring program at the start of the FY07 Dry Season. While the site was found to have ponded water during both monitoring events conducted during the FY07 Dry Season, there was no evidence of surface runoff to the site and there was not enough volume to take a sample for either field or laboratory analyses.

In summary, there were four dry weather monitoring events during FY06-07. The FY06-07 monitoring program included portions of the FY06 Dry Season (July - September) and portions of the FY07 Dry Season (May-June). During the FY06 Dry Season, water was found to be ponded at Sites C-B03-2, C-B04-9, C-B04-9A, C-B06-5, and C-B08-8, however, each time field sampling identified the water as salt water intrusion (from tidal fluctuations in San Diego Bay). During the FY07 Dry Season, water was found to be ponded at Sites C-B01-1, C-B03-2, C-B05-3R, C-B08-8, and C-B12-9. Field sampling identified the water at Sites C-B03-2 as salt water intrusion each time. There was not enough water present to collect samples at Site C-B12-9 on either occasion that water was present.

Table 8-2 lists the stations by Site ID, includes a brief description of the location, indicates on which dates, if any, there was a sufficient volume of water was present to allow sampling (whether field analysis and/or laboratory analyses, once field analyses ruled out the likelihood that the water was the result of salt water intrusion), and notes the potential pollutants of concern identified as a result of sampling and analysis.

During the FY07 Dry Season, there were 3 sites at which a sufficient volume of water was present to allow sampling, once field analyses ruled out the likelihood that the water was the result of salt water intrusion. Field sampling of the ponded water at Site C-B01-1 did not exceed action levels on either of the two occasions on which it was found. Laboratory analyses of the ponded water collected at Site C-B01-1 each time reported that copper concentrations exceeded the action level each time, and zinc concentrations exceeded the action level on one occasion. There was no evidence of illegal discharge in the vicinity of Site C-B01-1. The laboratory results suggesting copper and zinc as potential pollutants of concern are consistent with the results of the Authority's wet weather sampling program. Field sampling of the ponded water at Site C-B05-3R did not exceed action levels on the one



Table 8-2. Dry Weather Monitoring Program Sample Sites during FY06-07

Site ID	Site Description	Date(s)with sufficient water to sample	Type of Analyses (S, F, L)*	Potential Pollutant(s) of Concern Identified
C-B01-1	Inlet inside zipper line, south of FBO, north of runway	5/21/07	F, L	Cu, Zn
		6/18/07	F, L	Cu
C-B03-2	Inlet inside zipper line, south of runway, near B1-D sign	7/13/06	S	
		8/10/06	S	
		5/21/07	S	
		6/18/07	S	
C-B04-9	Inlet outside fence, near beacon, near Laurel Street.	7/13/06	S	
		8/10/06	S	
C-B04-9A	Concrete channel south of C-B04-9	7/13/06	S	
		8/10/06	S	
C-B05-3	Inlet within the rental car holding lot			
C-B05-3R	Inlet within the rental car holding lot	5/21/07	F	
C-B05-4	Inlet, south of runway, north of generator yard			
C-B06-5	Inlet southeast of control tower	7/13/06	S	
C-B07-6	Inlet west of oil-water separator in cargo area			
C-B07-6R	Inlet pipe, manhole west of o/w separator in cargo area			
C-B07-7	Inlet south of cargo area, west of West Wing			
C-B08-8	Trench northwest of Terminal 1 East, near Gate 8	8/10/06	S	
		5/21/07	F, L	Ammonia
		5/22/07	F	Ammonia
		6/18/07	F, L	
CB09-10	Manhole near Terminal 2 Parking Entrance			
C-B12-9	Inlet in West RON			

^{*} S = sample conductivity suggests salt water and no further analyses conducted.

L = laboratory analyses



F = field analyses

occasion on which it was found, and there was an insufficient volume of water present to allow for collection of a sample that could be sent for laboratory analysis. And finally, Site C-B08-8 had ponded water on all three occasions the site was monitored (twice in accordance with the program schedule and once as a follow-up to the results of earlier sampling). On the first occasion of dry weather monitoring at this site, field analysis identified the ammonia concentration as equal to the action level of 1.0mg/L, although laboratory analysis did not confirm the exceedance. A follow-up investigation the next day also showed field analysis ammonia concentrations at the site and in the site vicinity above the action level. Since the laboratory analysis did not exceed any action levels, and since trash and debris were observed in the MS4 at this location, it was determined that the trash and debris may be the cause of the ammonia and that the site should be closely evaluated during future dry weather monitoring events. During the final monitoring event of FY06-07, on June 18, 2007, ponded water was again observed at C-B08-8, although neither the field nor laboratory action levels were exceeded. Finally, there were no unauthorized discharges identified as a result of the dry weather monitoring activities conducted in FY06-07.

In the October 31, 2007 RWQCB Review Letter, RWQCB staff requested a "status report regarding the sources of the contaminated ponded water near Site ID 3." To begin, Site ID 3 has been both renamed and relocated. As stated above, the Authority now follows a Sampling Plan that was finalized in November of 2005 and first put into use for the FY05-06 wet season (at is, after the FY05 Dry Season which ran from July to September of 2005 and after the final collection of dry weather monitoring samples from Site ID 3). The November 2005 Sampling Plan has changed the sample site identification nomenclature to the format C-BXX-X noted above. Furthermore, as was also noted above, the dry weather monitoring stations are evaluated and adjusted, if needed, at the beginning of each dry season to ensure that land use and other operational activities are properly evaluated and represented. Such was the case for location of what was Site ID 3. For these two reasons, Site ID 3 has been renamed and relocated.

Nevertheless, the Authority can provide a status report on the potential sources of contaminated ponded water similar to Site ID 3, since Site C-B08-8 now represents the same land uses and operational activities.



The similarities between what was Site ID 3 and what is now Site C-B08-8 include: 1) the type of MS4 structure at each location, namely, a slit trench; 2) the location of each in relation to the terminal and gate areas; 3) the types of activities which occur in proximity to each sample site, namely, aircraft parking, loading/unloading, fueling, and lavatory waste management. The summary of dry weather monitoring conducted at Site ID 3, as detailed in the FY05-06 Annual Report, noted that both field and laboratory data indicated exceedances for ammonia and conductivity, just as reported for Site C-B08-8 above. As stated in the FY05-06 Annual Report, there was no evidence of an illegal discharge in the vicinity of Site ID 3 and no one apparent source of contaminants. Again, similar to the discussion of Site C-B08-8 above. Possible sources of contaminants at Site ID 3 remain the same as those discussed in the FY05-06 Annual report and the discussion of Site C-B08-8 above. For these reasons, the close evaluation proposed for future dry weather monitoring efforts of the water that ponds in the slit trenches near the gate areas will include a special investigation at the beginning of the FY08 Dry Season, as was initially suggested in the summary of the dry weather monitoring program in the FY05-06 Annual Report.

PUBLIC REPORTING - COMPLAINT HOTLINES

The Authority continues to exercise and promote the mechanisms available to staff, tenants, and the general public for reporting complaints or concerns regarding unauthorized stormwater discharges as described in Section 7.7 of the SDIA SWMP. There are four primary mechanisms available for reporting complaints or concerns: the Airside Operations Department 24-hour telephone line (619-400-2710); the Environmental Affairs Department main telephone line (619-400-2782) and webpage; the Project Clean Water regional hotline (888-846-0800) and webpage operated by the County of San Diego; and the THINKBLUE Hotline (888-844-6525) and webpage operated by the City of San Diego.

The two regional hotline efforts of the Municipal Copermittees, Project Clean Water and THINKBLUE, are designed to provide publicly reported illicit discharge information to the appropriate jurisdictions, such as the Authority. In turn, the Authority promotes both Project Clean Water and THINKBLUE at outreach and training events. The Authority also promotes the THINKBLUE public service announcements on television screens at the baggage claim areas in Terminal 2 West.

The Airside Operations Department 24-hour telephone number functions as a hotline for tenants and SDCRAA staff to report stormwater pollution concerns. This telephone number is promoted to tenants and staff by including the telephone number on the back of all required Airport Security ID badges. The general public is also redirected to this number anytime they pick up an airport white courtesy phone located throughout the airport terminals. Most of the unauthorized stormwater discharge issues that require notification or response of any kind are initially reported to the Airside Operations Department 24-hour telephone line. Each call is logged and directed to the appropriate department for immediate response. While the Environmental Affairs Department need not always be contacted directly for response actions, the Environmental Affairs Department monitors the log as part of the SWMP IDDE program.

Appendix B presents information on the 220 IDDE events reported to either the Authority's 24-hour telephone line or directly to the Environmental Affairs Department during the reporting period. The Environmental Affairs Department classified each incident into one of the 8 categories shown in Table 8-3. The most frequently reported types of incidents were trash or non-petroleum spills that occurred on the airside. The "trash or non-petroleum spill on the airside" IDDE category has been the most frequently reported issue for 3 of the last 4 fiscal years (being the second most frequently reported issue in the other year). One possible explanation for this trend is the fact that trash and debris on the airside are a serious threat to the safe operation of a jet engine, and therefore, people working on the airside are keenly aware of issues involving trash and debris. Another reason for the trend is that 2 of the 4 Solid Waste Disposal Areas are on the airside, which increases the chances that a "trash or non-petroleum spill" will occur on the airside. It should be noted that "pest management issues" recorded in the IDDE log generally involve the appropriate application of pesticides, and not an illicit discharge. Tracking pesticide application events in the IDDE log is another mechanism used by the Authority to monitor pesticide use and to promote integrated pest management, thus limiting the quantities of pesticides and herbicides at SDIA. The nature and disposition of all 222 IDDE incidents noted in Table 8-3 are presented in Appendix B.



Table 8-3. Summary of IDDE Incidents by Category as Reported during FY06-07*

Incident Category	Number of Incidents
Trash or non-petroleum spill on the airside	81
Trash or non-petroleum spill on the landside	49
Pest management issue	39
Petroleum spill on the airside	30
Petroleum spill on the landside	7
Unauthorized discharge	7
Sewage issue	6
Construction project issue	1

^{* -} See Appendix B for detailed description of each incident.

In addition to the Airside Operations Department 24-hour telephone line, the Authority webpage also provides another mechanism for staff, tenants, and the general public to contact the Environmental Affairs Department regarding stormwater concerns. The webpage provides background information on the SDIA SWMP, the IDDE program, and both telephone numbers and email addresses for the Environmental Affairs Department.

SANITARY SEWAGE - ISSUES AND RESPONSE

Section 7.9 of the SDIA SWMP identifies those controls that the Authority has implemented to limit infiltration from the sanitary sewer system into the stormwater conveyance system and to prevent and respond to sewage spills. As noted in Table 8-3 above and as detailed in Appendix B, there were 6 IDDE incidents related to sewage at SDIA during the reporting period. Two of these incidents involved the triturator which is part of the sewage disposal system used to discharge aircraft waste into the City of San Diego Metropolitan Waste Water Department sewer system. The triturator is housed in a covered and bermed building in order to ensure that no sewage is discharged outside the actual sewer connection point. Sewage is emptied from the aircraft into mobile lavatory trucks and then into the sewer system at the triturator via a connection hose. Of the 2 IDDE incidents at the triturator: one involved a mechanical problem with the connection hose; and

ther other involved a spill that had breached the containment berm on March 12, 2007. The spill was cleaned up and no storm drains were impacted. One of the 6 IDDE sewage incidents involved a possible leak from a aircraft-lavatory-waste-hauling truck. The spill was immediately cleaned up when brought to the attention of the operator. The 3 remaining IDDE sewage incidents involved sewage spills from the plumbing system in Terminal 2: one on September 5, 2006, and the other two almost simultaneously on January 5, 2007. Each of these spills were addressed immediately, the spills cleaned up, and the problems corrected. None of the 6 IDDE incidents related to sewage impacted the stormwater conveyance system.

INVESTIGATION, FOLLOW-UP, AND ENFORCEMENT

Each of the IDDE incidents listed in Table 8-3 were resolved in the manner noted in Appendix B. Virtually all of the incidents noted in Table 8-3 and described in Appendix B were addressed immediately in the field at the time the incident was reported. Approximately 59% of the incidents listed in Table 8-3 were related to trash and non-petroleum spills on either the airside or the landside. Each of these issues was addressed without impacts to the stormwater conveyance system. Of the 30 petroleum spills on the airside and the 7 petroleum spills on the landside, all but 2 involved less than 20 gallons of petroleum. Each of the 37 petroleum spills was cleaned up immediately, without impacts to the storm water conveyance system, including the 40 gallon spill that occurred on September 8, 2006, and the 400 gallon spill that occurred on Thanksgiving Day, November 23, 2006. As previously noted, the pest management issues actually involved the appropriate application of pesticides, and not an illicit discharge, with the tracking of pesticide application events used as a mechanism to promote integrated pest management. The details and disposition of the 6 sewage issues noted in Table 8-3 are discussed in the Sanitary Sewage - Issues and Response sub-section above. As shown in Appendix B, the 1 construction project issue captured in the IDDE log for FY06-07 was a minor issue that was resolved immediately.

The Authority IDDE program identified 7 incidents as unauthorized discharges during FY06-07, as noted in Table 8-3. Whenever an illicit discharge was detected by any of the Authority IDDE program elements, the Environmental Affairs Department documented the incident, required corrective action, if necessary, and monitored the implementation of any



required corrective actions. The Environmental Affairs Department contacted the responsible parties for each of these 7 incidents to ensure corrective action and provide education on proper procedure to prevent re-occurrance. Four (4) of the unauthorized discharge incidents involved improper management of wash water, 1 incident involved the discharge of water from a leaking heating ventilation and air conditioning (HVAC) pipe, 1 incident involved a trash and liquid spill on the airside, and 1 incident involved an aircraft de-icing fluid discharge. In response to 5 of the 7 unauthorized discharges, the Environmental Affairs Department verbally directed the responsible parties to cease the activity, implement proper BMPs, and cleanup any contaminants as necessary. On October 11, 2006, the Environmental Affairs Department issued a written Notice to Jet Wash for the re-occurrence of the unauthorized discharge of washwater and directed employee training on the proper implementation of BMPs. On October 16, 2006, the Environmental Affairs Department issued a written Notice to American Airlines for the re-occurrence of the unauthorized discharge of trash and liquid, and directed cleanup, where feasible, and employee training on the proper implementation of BMPs. This unauthorized discharge was cleaned up. None of the IDDE incidents that occurred during this reporting period required additional follow-up or enforcement actions beyond those described above.

USED OIL AND TOXIC MATERIALS DISPOSAL

Section 7.8 of the SWMP describes the mechanisms used to facilitate the proper management and disposal of used oil and toxic materials by the Authority. Like the Authority itself, airport tenants are required to dispose of materials through licensed handlers. The Authority provides information to tenants to help facilitate their own disposal needs, when asked or when necessary.

In addition, as first mentioned in Chapter 2 of this report, the Authority hosted a one-day electronic and universal waste collection event on August 11, 2006, that was open to all staff and tenants. The event allowed staff and tenants to relinquish electronic and universal waste (such as batteries and fluorescent light bulbs) for proper recycling or disposal. Table 8-4 lists the hazardous materials disposed of by the Authority during FY06-07, a portion of which includes the universal waste collected at the one-day collection event.

Table 8-4. Hazardous Wastes Disposed of by the Authority during FY06-07

Description of Waste	antity Disposed	
Hazardous Waste, Solid (Debris with flammable liquid)	450	pounds
Asbestos and Non-friable Waste	80	pounds
Waste Flammable Liquid (Paints and Thinners)	135	gallons
Waste Corrosive Inorganic Liquid	3	gallons
Waste Aerosols, Flammable	40	pounds
Non RCRA Hazardous Waste, Solid (Toner, Soil and/or Debris)	2,706	tons
Non RCRA Hazardous Waste, Solid (Oily Debris and/or Diesel)	1,420	pounds
Non RCRA Hazardous Waste Liquid (Water with Hydrocarbons)	50	gallons
Non-Hazardous Waste Solid (Soil)	18,290	pounds
Non-Hazardous Waste Liquid (Rinse Water)	200	gallons
Waste Flammable Solids, Organic	1,900	pounds
Waste Toxic Solids, Organic	5	pounds
Universal Waste (Fluorescent Lamps, Monitors, Alkali and/or Rechargeable Batteries)	3,801	pounds

REVISIONS TO THE SWMP

The SWMP was last revised in January of 2005. As noted at the end of Chapter 2 of this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.





9 Education Component

The overall goal of the education component of the SDIA SWMP is to educate the Authority staff, airport tenants, contractors, the traveling public, and our surrounding communities about: a) the potential impacts of polluted urban runoff on water quality; b) stormwater pollution prevention measures required for implementation at SDIA; and c) the SWMP and its availability. The education efforts outlined in the SWMP are intended to increase understanding of stormwater management issues and to help promote behavioral changes that will reduce stormwater pollution. Described below are the education activities conducted by the Authority during FY06-07.

EDUCATION PROGRAM DESCRIPTION AND ACTIVITIES

The Authority stormwater education program is designed to reach all of the target audiences required by the Municipal Permit, with one exception: there are no specific efforts directed at the "residential community," since there is no residential land use or activity within the Authority's jurisdiction (as noted previously in this Annual Report). As such, the audiences addressed by the education component of the SWMP include: the general public and school children; Authority departments and personnel; the airport industrial and commercial tenants; quasi-governmental agencies, such as the FAA; and construction site project managers/developers/contractors.

The education program emphasizes the consistent presentation of readily understandable information about the causes and effects of stormwater pollution, as well as the proper use of BMPs. Each element of the education program is designed to present the appropriate Municipal Permit "agenda" message to a particular audience. The education program seeks to partner with other Copermittees, airport tenants, non-profit organizations, and other interested stakeholders to ensure cost-effective use of resources.

The discussion of the Authority's Education Program in Chapter 8 of the SWMP provides details on the education mechanisms and proposed training frequencies. The following tables summarize the education efforts conducted by the Authority during the reporting period. There are several instances where one education mechanism has been applied to several target audiences. For example, the Authority webpage, airport storm drain stenciling, and the airport recycling brochure were each developed to address all the target audiences. Tables 9-1 through 9-4 present information relative to the education efforts directed at the following composite audiences during FY06-07: a) the general public and school children; b) Authority staff; c) airport industrial, commercial, and quasi-governmental agency tenants; and d) construction project managers, developers, and contractors.

REVISIONS TO THE SWMP

There are no revisions to the Education Component of the SWMP. The SWMP was last revised in January of 2005. As noted at the end of Chapter 2 of this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.



Table 9-1. Education Activities for the Public and School Children during FY06-07

Program Element			
Authority Webpage	Environmental Affairs webpage (www.san.org/environmental) includes information on the Authority's stormwater program and the SWMP.	14,433	
Storm Drain Stenciling	"No Dumping" warning on storm drain inlets throughout the airport.	100s of thousands	
Posters/Banners/ Signage in Terminals and	Annual California Coastal Cleanup Day Billboard display throughout Terminals, during entire reporting period and on-going.	100s of thousands	
Parking Lots	"Don't Trash California" Anti-litter Campaign Billboard displays throughout Terminals, during entire reporting period and on-going.		
	Protect San Diego Coastal Wildlife Billboard displays throughout Terminals, during entire reporting period and ongoing.		
Brochures	Airport Recycling Guide in airport terminals and at various outreach events.	Up to 2,500	
Public Service Announcements (PSAs)	Think Blue PSAs aired in the Terminal 2-West baggage claim area during the entire reporting period.	100s of thousands	
in Terminals	"Don't Trash California" Anti-litter Campaign PSA aired in Terminal 2-West baggage claim area during the entire reporting period.		
Media News Releases	November 14, 2006, news release announces "Youth Art Wall: Children's Water Conservation Poster Contest Displayed at San Diego International Airport." A community partnership to provide a positive water conservation message.	100s of thousands	
	Summer 2006 "Skyscapes" mailer notes Authority's commitment to environment.	10s of thousands	
Collaborative Efforts	Continued collaboration with WiLDCOAST to support the "Wildlife Outreach Program" to encourage conservation of local wildlife and habitats.	Not Applicable	
	Continued collaboration with San Diego CoastKeeper to support "Project Swell" and provide children with a water-quality-based educational curricula and to support the "Common Grounds" water quality monitoring database.		
	Continuing collaboration with Surfrider Foundation to support "Hold On To Your Butt" public education campaign about cigarette butts as a stormwater pollutant.		
	Collaboration with San Diego CoastKeeper and others to participate in the 22nd Annual California Coastal Cleanup Day Event held September 16, 2006.		
	Collaboration with local government agencies, universities, and businesses to initiate the "San Diego Regional Sustainability Partnership," with one focus being natural resource conservation and protection.		
	Collaboration with City of San Diego Water Department to present the Youth Art Wall: Children's Water Conservation Poster Contest Display to provide a positive water conservation message.		
	Collaboration with I Love A Clean San Diego to sponsor the 5th Annual Creek to Bay Cleanup Event held April 28, 2007.		

Table 9-1. Education Activities for the Public and School Children during FY06-07 (Continued)

Program Element	Description of Activities	Estimated Audience Size
Special Presentations	July 27, 2006. Presentation at StormCon 2006. "Challenges of Managing Storm Water at the Busiest Single-Runway Airport in the US."	
	August 25, 2006. Presentation to grade-school students at "Airport Explorers YMCA Camp." Focus on natural resources and water protection.	24
	October 14, 2006. Presentation to the "Price Fellows" group of high school students regarding environmental issues at the Airport.	
	November 9, 2006. Presentation to students from the Montgomery Field campus of Embry-Riddle Aeronautical University. Environmental issues at airports.	12



Table 9-2. Education Activities for Authority Employees during FY06-07

Program Element	Description of Activities	Estimated Audience Size*	
Authority Webpage	Environmental Affairs webpage (www.san.org/environmental) includes information on the Authority's stormwater program and the SWMP.	Up to 300	
	Airport Recycling Guide, Pollution Prevention information, and Energy Savings Checklist remain posted on the intranet and internet.		
Storm Drain Stenciling	"No Dumping" warning on storm drain inlets throughout the airport.	Up to 300	
Posters/Banners/ Signage in Terminals and	Annual California Coastal Cleanup Day Billboard display throughout Terminals, during entire reporting period and on-going.	Up to 300	
Parking Lots	"Don't Trash California" Anti-litter Campaign Billboard displays throughout Terminals, during entire reporting period and on-going.		
	Protect San Diego Coastal Wildlife Billboard displays throughout Terminals, during entire reporting period and ongoing.		
	"Don't Trash California" Anti-litter Campaign Magnetic Bumper Stickers distributed to tenants and staff during entire reporting period and ongoing.		
Brochures	Airport Recycling Guide in airport terminals and at various outreach events.	Up to 300	
Public Service Announcements (PSAs)	Think Blue PSAs aired in the Terminal 2-West baggage claim area during the entire reporting period.	Up to 300	
in Terminals	"Don't Trash California" Anti-litter Campaign PSA aired in Terminal 2-West baggage claim area during the entire reporting period.		
Media News Releases	November 14, 2006, news release announces "Youth Art Wall: Children's Water Conservation Poster Contest Displayed at San Diego International Airport." A community partnership to provide a positive water conservation message.	Up to 300	
	Summer 2006 "Skyscapes" mailer notes Authority's commitment to environment.		
Email Announcements/ Tenant Advisories	August 3, 2006. Tenant Advisory announcing Lindbergh Field Summer Clean-up Week featuring a one-day e-waste/u-waste collection event.	Up to 300	
	September 8, 2006. Email to entire staff regarding the 22nd Annual California Coastal Cleanup Day to be held September 16, 2006.		
	September 18, 2006. Email to entire staff regarding National Pollution Prevention Week 2006, September 18-24.		
	November 14, 2006. Email to entire staff regarding California Recycles Day on November 15, 2006.		
	December 4, 2006. Tenant Advisory providing Holiday Season pollution prevention tips.		
	December 20, 2006. Email to entire staff regarding Energy Conservation Tips.]	

Table 9-2. Education Activities for Authority Employees during FY06-07 (Continued)

Program Element	Description of Activities	Estimated Audience Size*
Email Announcements/ Tenant Advisories	February 2, 2007. Tenant Advisory announcing the availability of the FY05-06 Municipal Annual Report on the Authority webpage.	Up to 300
(continued)	February 16, 2007. Tenant Advisory regarding proper universal waste disposal.	
	March 26, 2007. Tenant Advisory announcing Off-site E-Waste Recycling Event.	
	April 2, 2007. Tenant Advisory announcing Off-site E-Waste Recycling Event.	
	April 11, 2007. Email to entire staff regarding 5th Annual Creek to Bay Cleanup Event.	
	May 14, 2007. Email to entire staff announcing Bike-to-Work Day (May 18).	
	May 24, 2007. Tenant Advisory regarding wood recycling at the airport.	
	June 18, 2007. Tenant Advisory annoucing 3rd Annual Airport Safety Fair on June 21, 2007.	
	June 29, 2007. Email to staff regarding Email Attachment Reduction Campaign.	
Annual Open House	June 15, 2007. Provided outreach and training materials regarding the Authority's Storm Water Management Program at the Annual Employee Open House.	Up to 300
Department Meetings	Environmental Affairs Staff attendance at Facilities Maintenance Department - Monthly Status Meetings:	Up to 40
	July 25, 2006 November 28, 2006 May 29, 2007 August 29, 2006 January 30, 2007 June 26, 2007	
Targeted Training/ Presentations for Specific Employee	Mandatory Stormwater Pollution Prevention Awareness Training: July 11, 2006 September 19, 2006	65
Groups	September 14, 2006. Facilities Development Department - Stormwater Management Refresher Training for Project Managers.	15
	October 9, 2006. Airport Master Plan Program Department - Stormwater Management Refresher Training For Project Managers.	8
	December 1, 2006. Facilities Development Department - Stormwater Management Refresher Training for Project Assistant Staff.	20
	June 21, 2007. Airport Tenant and Employee Safety Fair - outreach and training materials regarding the Authority's Stormwater Management Program.	250
Special Presentations	September 16, 2006. 22nd Annual California Coastal Cleanup Day.	20
	April 28, 2007. I Love A Clean San Diego's 5th Annual Creek to Bay Cleanup.	15



Table 9-2. Education Activities for Authority Employees during FY06-07 (Continued)

Program Element	Description of Activities	Estimated Audience Size*
Attendance at external	July 26-27, 2006. StormCon '06, Denver, CO.	1
professional training/ workshops	September 14, 2006. San Diego Green Conference, San Diego, CA.	4
	September 23-24, 2006. Airport Council International - North America Environmental Affairs Committee Meeting, Reno, NV.	1
	September 25-27, 2006. 2006 CASQA Stormwater Conference, Sacramento, CA.	2
	November 14-15, 2006. The Greening of California (IEA), San Diego, CA.	3
	November 15, 2006. Zero Waste Conference, San Diego, CA.	1
	November 17, 2006. 8-hour HAZWOPER Refresher Training, San Diego, CA.	1
	February 7-8, 2007. Stormwater Education and Outreach/Community-Based Social Marketing Seminar, San Diego, CA.	3
	March 21, 2007. Construction and Demolition Waste Diversion, San Diego, CA.	2
	April 29- May 1, 2007. Airport Council International - North America Environmental Affairs Committee Meeting, Vancouver, Canada.	1
	May 15, 2007. New Municipal Stormwater Permit Regulations, San Diego, CA.	3
	May 17, 2007. Integrated Pest Management Training, San Diego, CA.	2
	June 14, 2007. 8-hour HAZWOPER Refresher Training, San Diego, CA.	3
	June 20, 2007. San Diego Watershed Data Management Summit, San Diego, CA.	2

^{* -} There are approximately 300 Authority Employees at any time during the reporting period.

Table 9-3. Education Activities for Airport Industrial, Commercial, and Quasi-Governmental Agency Tenants during FY06-07

Program Element	Description of Activities	Estimated Audience Size
Authority Webpage	Environmental Affairs webpage (www.san.org/environmental) includes information on the Authority's stormwater program and the SWMP.	14,433
Storm Drain Stenciling	"No Dumping" warning on storm drain inlets throughout the airport.	1,000s
Posters/Banners/ Signage in Terminals and	Annual California Coastal Cleanup Day Billboard display throughout Terminals, during entire reporting period and on-going.	1,000s
Parking Lots	"Don't Trash California" Anti-litter Campaign Billboard displays throughout Terminals, during entire reporting period and on-going.	
	Protect San Diego Coastal Wildlife Billboard displays throughout Terminals, during entire reporting period and ongoing.	
	"Don't Trash California" Anti-litter Campaign Magnetic Bumper Stickers distributed to tenants and staff beginning June 21, 2006 and on-going	Up to 1,000
Brochures	Airport Recycling Guide in airport terminals and at various outreach events.	Up to 2,500
Public Service Announcements (PSAs)	Think Blue PSAs aired in the Terminal 2-West baggage claim area during the entire reporting period.	1,000s
in Terminals	"Don't Trash California" Anti-litter Campaign PSA aired in Terminal 2-West baggage claim area during the entire reporting period.	
Media News Releases	November 14, 2006, news release announces "Youth Art Wall: Children's Water Conservation Poster Contest Displayed at San Diego International Airport." A community partnership to provide a positive water conservation message.	1,000s
	Summer 2006 "Skyscapes" mailer notes Authority's commitment to environment.	
Tenant Advisories	August 3, 2006. Tenant Advisory announcing Lindbergh Field Summer Clean-up Week featuring a one-day e-waste/u-waste collection event.	1,000s
	October 30, 2006. Announce "Airfield Sweeping and Scrubbing Schedule."	
	December 4, 2006. Tenant Advisory providing Holiday Season pollution prevention tips.	
	February 2, 2007. Tenant Advisory announcing the availability of the FY05-06 Municipal Annual Report on the Authority webpage.	
	February 16, 2007. Tenant Advisory regarding proper universal waste disposal.	
	March 26, 2007. Tenant Advisory announcing Off-site E-Waste Recycling Event.	
	April 2, 2007. Tenant Advisory announcing Off-site E-Waste Recycling Event.	
	May 24, 2007. Tenant Advisory regarding wood recycling at the airport.	
	June 18, 2007. Tenant Advisory annoucing 3rd Annual Airport Safety Fair on June 21, 2007.	



Table 9-3. Education Activities for Airport Industrial, Commercial, and Quasi-Governmental Agency Tenants during FY06-07 (Continued)

Program Element	Description of Activities	Estimated Audience Size
Tenant Safety Committee Meetings	Environmental Affairs Department presented stormwater management program updates at Tenant Safety Committee meetings: July 5, 2006 November 1, 2006 March 7, 2007 August 2, 2006 December 6, 2006 April 4, 2007 September 6, 2006 January 3, 2007 May 2, 2007 October 4, 2006 February 7, 2007 June 6, 2007	358
Lindbergh Airport Managers Committee (LAMC) Meetings	Environmental Affairs Department presented specific stormwater management program updates to air-carrier station managers at monthly LAMC meetings: July 19, 2006 February 21, 2007 June 20, 2007 August 1, 2006 May 16, 2007	76
Targeted Training/	March 7, 2007. Stormwater, Universal Waste, and the California Least Tern.	37
Presentations for Specific Tenant Groups	June 21, 2007. Airport Tenant and Employee Safety Fair - outreach and training materials regarding the Authority's Stormwater Management Program.	780

Table 9-4. Education Activities for Airport Construction Project Managers, Developers, and Contractors during FY06-07

Program Element	Description of Activities	Estimated Audience Size
Authority Webpage	Environmental Affairs webpage (www.san.org/environmental) includes information on the Authority's stormwater program and the SWMP.	14,433
Storm Drain Stenciling	"No Dumping" warning on storm drain inlets throughout the airport.	100s
Posters/Banners/ Signage in Terminals and	Annual California Coastal Cleanup Day Billboard display throughout Terminals, during entire reporting period and on-going.	100s
Parking Lots	"Don't Trash California" Anti-litter Campaign Billboard displays throughout Terminals, during entire reporting period and on-going.	
	Protect San Diego Coastal Wildlife Billboard displays throughout Terminals, during entire reporting period and ongoing.	
Brochures	Airport Recycling Guide in airport terminals and at various outreach events.	Up to 2,500
Public Service Announcements (PSAs)	Think Blue PSAs aired in the Terminal 2-West baggage claim area during the entire reporting period.	1,000s
in Terminals	"Don't Trash California" Anti-litter Campaign PSA aired in Terminal 2-West baggage claim area during the entire reporting period.	
Direct Contact through Project Meetings and	Environmental Affairs Department staff attendance at Pre-construction meetings: 3 meetings.	60
Inspections	Environmental Affairs Department staff attendance at regularly scheduled Project Progress meetings: 91 meetings.	1,063
	Environmental Affairs Department follow-up meetings to site inspections and tailgate meetings. Typically, one-on-one with construction contract site supervisor: 170 meetings.	170





10 Public Participation Component

The Authority has established two main goals for the public participation element of the SDIA SWMP. The first goal is to develop mechanisms to facilitate public participation in the implementation of the SWMP. The second is to then gain through those mechanisms the participation of the community in helping to sustain and improve the Authority's stormwater management efforts. An educated public generally makes for a more effective partner in preventing stormwater pollution. As such, there is some overlap between the Authority's public education efforts described in Chapter 9 of this Annual Report and the public participation efforts described here. Public participation is garnered in two primary ways: participation in implementation of SWMP programs and public feedback on SMWP programs. Feedback is used to improve the SWMP itself and to improve the implementation of the SWMP.

The Authority's public participation program is directed primarily at airport tenants and Authority staff, while also addressing the general public to the extent possible. The mechanisms used to facilitate public participation on the part of these groups during FY06-07 are described here.

PUBLIC PARTICIPATION OPPORTUNITIES FOR TENANTS AND STAFF

In addition to daily interactions between the tenants and Authority staff, several mechanism were used during the reporting period to provide airport tenants and staff the opportunity to participate in the implementation and ongoing development of the Authority's SWMP. These mechanisms included: a) regular meetings of the San Diego County Regional Airport Authority Board; b) monthly meetings of the Lindbergh Airport Managers Committee; c) monthly meetings of the Tenant Safety Committee; d) the 24-hour telephone line; e) the Authority's webpage; and f) outreach events. The use of these 6 public participation mechanisms for tenants and Authority staff during the reporting period are summarized here.

a) San Diego County Regional Airport Authority Board Meetings:

The Airport Authority Board is committed to ensuring that SDIA operates in a manner that complies with all federal, state and local environmental laws. Tenants and Authority staff are encouraged to become involved and help to continually improve both the SWMP and its implementation. Tenants and staff are encouraged to speak directly to the Board during public meetings. During FY06-07, the Board held a combined total of 49 general and subcommittee meetings.

b) Lindbergh Airport Managers Committee:

Tenants and Authority staff meet monthly to discuss and improve the operational aspects of SDIA. During these meetings, tenants and staff are encouraged to become involved in the SWMP, take ownership of the SWMP, and help ensure SWMP implementation. The meetings allow for frank exchange of information and opinions regarding stormwater management concerns at SDIA. There were 12 meetings of the Lindbergh Airport Managers during the reporting period. The Environmental Affairs Department presented updates on specific stormwater management issues at 5 of these meetings.

c) Tenant Safety Committee:

The Tenant Safety Committee is another opportunity to encourage participation of tenants and Authority staff to take ownership of the SWMP and to help ensure effective implementation of the plan. During these monthly committee meetings stormwater management concerns are



presented by the Environmental Affairs Department and discussed with tenants and staff. At the same time, tenants and staff are welcome to submit comments on the SWMP and its implementation during the meetings. The Committee held 12 meetings during FY06-07, with the Environmental Affairs Department making a special presentation at 1 of the meetings.

d) 24-hour Telephone Line/Public Hotline:

The daily activities of airport tenants and Authority staff have a substantial impact on the successful implementation of the SWMP. The SWMP provides guidance about reducing pollutants discharging to the MS4 and the proper implementation of appropriate BMPs. Taking ownership of the MS4 and making appropriate use of BMPs are some of the best ways for tenants and staff to participate in the implementation of the SWMP. The Airside Operations Department 24-hour telephone line/public hotline facilitates timely communication between the Environmental Affairs Department and concerned tenants and staff. Tenants and staff are also reminded to report unauthorized non-stormwater discharges to the 24-hour telephone line.

e) Authority Webpage:

The Authority webpage features several pages dedicated to the environmental issues at SDIA (www.san.org/environmental), including stormwater management. The webpage, accessible by airport tenants and Authority staff, presents the SDIA SWMP in its entirety, along with contact information for the Environmental Affairs Department. The webpage provides another opportunity for tenants and staff to review and comment on the SWMP and the manner in which the SWMP and the BMPs described therein are implemented at SDIA. The environmental page of the Authority webpage had 14,433 hits during FY06-07.

f) Outreach Events for Airport Tenants and Authority Staff:

Outreach events allow the Environment Affairs Department and airport tenants and Authority staff to exchange information, ideas, and opinions about general stormwater management issues and theses specific to the airport. Outreach events have both an education component and a public participation component. Such events promote public participation and further environmental stewardship by tenants and staff. Outreach events are an important element of public participation and help keep communication

open between the Authority, its tenants, and its staff. During FY06-07, the Authority conducted or participated in three outreach events that allowed the Environmental Affairs Department to share concerns about proper stormwater management at SDIA with tenants and staff.

On June 15, 2007, the Environmental Affairs Department provided outreach and training materials about the SWMP to Authority staff at the Annual Employee Open House.

On June 21, 2007, at the Authority's Annual Safety Fair, the Environmental Affairs Department provided outreach and education materials on trash, litter, and debris as stormwater pollutants. This year, the Department handed out "Don't Trash California" T-shirts to all Airport tenants and Authority staff making a pledge to help keep the airport grounds clean on both the airside and the landside. More than 1,025 tenants and staff combined took the pledge.

The Authority also promoted two local watershed cleanup events during the reporting period. The two events which drew participation by Authority staff and their families included the 22nd Annual California Coastal Cleanup Day on September 16, 2006 and the I Love A Clean San Diego's 5th Annual Creek to Bay Cleanup event on April 28, 2007.

PUBLIC PARTICIPATION OPPORTUNITIES FOR THE GENERAL PUBLIC

The Authority uses a variety of mechanisms to provide the general public with opportunities to participate in the ongoing development and implementation of the Authority's SWMP. Some of the mechanisms used to encourage participation by the general public are similar to those used with tenants and staff.

These mechanisms include a) regular meetings of the San Diego County Regional Airport Authority Board; b) regular meetings of the San Diego Municipal Permit Copermittees; c) the Authority's webpage; d) the Project Clean Water webpage; e) the Authority's 24-hour telephone line; f) the Copermittee's regional hotline telephone numbers; and g) outreach events for the General Public.



a) San Diego County Regional Airport Authority Board Meetings:

As stated above, the Airport Authority Board is committed to ensuring that SDIA operates in a manner that complies with all environmental laws. The public is encouraged to review and comment on the SDIA SWMP and to thereby help to continually improve both the plan and its implementation. The general public is encouraged to speak directly to the Board during public meetings. During FY06-07, the Board held a combined total of 49 general and subcommittee meetings.

b) San Diego Municipal Permit Copermittee Meetings:

The San Diego Municipal Permit Copermittees meet regularly to discuss various aspects of the stormwater management programs being implemented throughout the county in accordance with the Municipal Permit. In addition to the regular meetings of the Copermittee Management Committee, the Copermittees have established a number of subcommittees and workgroups. All meetings of the Committee, the subcommittees, and the workgroups are open to the general public. These meetings provide numerous opportunities for public participation in stormwater management activities both throughout the region and at SDIA. Attendees include a wide variety of experts, including representatives of federal, state and local agencies, industry representatives, environmental groups, consulting firms, product vendors, and academic and research institutions, as well as the general public. Combined, the Copermittees held more than 36 general, subcommittee, and workgroup meetings during FY06-07.

c) Authority Webpage:

As stated above, the Authority webpage features several sections regarding the environmental issues at SDIA (www.san.org/environmental), including stormwater management. The webpage is accessible by the general public and presents the SDIA SWMP in its entirety. The webpage provides contact information for the Environmental Affairs Department, allowing the general public another opportunity to review and comment on the SWMP and the BMPs described therein. Again, the environmental page of the Authority webpage had 14,433 hits during FY06-07.

d) Project Clean Water Webpage:

Partly in response to its duties as the Principal Copermittee to the Municipal Permit, the County of San Diego established the Project Clean Water webpage (www.projectcleanwater.org) that features both general and specific information on regional water issues and the local stormwater management programs. The webpage features contact information and direct web-links to the Authority. The webpage is intended to represent a major portal for public participation in stormwater management regionally and at the individual jurisdictional level.

e) Authority's 24-hour Telephone Line/Public Hotline:

The general public can always address immediate stormwater concerns directly to the Authority using the Airside Operations Department 24-hour telephone line/public hotline. In addition to providing the general public with another link to the Environmental Affairs Department, the telephone line enables the general public to report unauthorized non-stormwater discharges and other stormwater concerns.

f) Copermittees' Public Hotlines:

The Municipal Permit Copermittees have established two regional hotlines, the Project Clean Water Hotline and the THINKBLUE Hotline. Both are 1-800-numbers that allow the general public to obtain contact information for any of the individual jurisdiction stormwater management programs, including the Authority's. The hotlines also provide another mechanism for the general public to report unauthorized non-stormwater discharges and/or other stormwater concerns, which are then referred to the appropriate jurisdiction. The hotlines provide services in English and Spanish and are available 24-hours a day.

g) Outreach Events for the General Public:

Similar to the previous discussion of outreach events for the general public allow the Authority and the general public to exchange information, ideas, and opinions about stormwater management issues in general and those specific to the airport. Such events promote public participation and further environmental stewardship by the general public.



During FY05-06, the Authority continued to collaborate with four local environmental groups that shared concern for proper stormwater management at SDIA and protection of San Diego Bay - the receiving water for runoff from the airport. The Authority has collaborated with the San Diego Coastkeeper to help support the "Project Swell" campaign aimed at engendering environmental stewardship in local schoolchildren through education using water-quality-specific curricula. The Authority also collaborated with Coastkeeper on the "Common Grounds" water quality monitoring database, as well as the 22nd Annual California Coastal Cleanup Day Event on September 16, 2006. In addition, the Authority has collaborated with WiLDCOAST to support its "Wildlife outreach Program" a bilingual campaign aimed at educating the public and schoolchildren about watershed and natural resource management. The Authority continues to support the Surfrider Foundation's "Hold On To Your Butt" campaign aimed at educating the public and children about cigarette butts as a stormwater pollutant through educational brochures, t-shirts, bumper stickers, and public service announcements. All three of these efforts began during FY04-05 and continued through FY05-06 and FY06-07. As a member of the San Diego Bay Watershed Copermittees, the Authority also helped to sponsor one of the local cleanup sites of the I Love A Clean San Diego's 5th Annual Creek to Bay Cleanup event on April 28, 2007.

The Authority worked with the City of San Diego Water Department to present the Youth Art Wall: Children's Water Conservation Poster Contest Display in airport Terminal 2 beginning in the late summer of 2006. In November of 2006, the Authority joined with local government agencies, universities, and businesses as a charter member of the "San Diego Regional Sustainability Partnership," with one focus of the partnership being natural resource conservation and environmental protection.

REVISIONS TO THE SWMP

There are no revisions to the Public Participation portion of the SWMP. The SWMP was last revised in January of 2005. As noted at the end of Chapter 2 of this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first

Storm Water Management Plan - Municipal Stormwater Permit

amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.





11 Special Investigations

The FY03-04 Annual Report first mentioned, and the FY04-05 Annual Report outlined in detail, a special project that had been in the planning and design phase since the inception of the Authority in 2003 and which finally got underway in January of 2005. Entitled the "Storm Drainage System BMP Project (CIP #3105A)," the project featured 10 distinct elements. The FY05-06 Annual Report presented a discussion of the activities for each of the 10 tasks, which were all completed as FY05-06 ended. This FY06-07 Annual Report now presents information on the implementation of the stormwater Sampling Plan, dated November 2005, that resulted from the completion of one of the 10 elements of the Storm Drainage System BMP Project.

The Annual Report describes the stormwater management activities of the Authority to ensure compliance with the Municipal Permit during any particular fiscal year. While the Municipal Permit does include some stormwater monitoring activities, the stormwater monitoring program outlined in the Authority's Sampling Plan goes well beyond Municipal Permit requirements. For that reason, the stormwater monitoring efforts outlined in the Sampling Plan and conducted during FY06-07 are discussed here in the Special Investigations chapter of the Annual Report. The FY06-07 Annual Report is the first to present information on this broadened sampling program, which also includes the type of stormwater monitoring reporting

that has been presented in Chapter 3, Industrial Component of Existing Development, under the heading of "Stormwater Monitoring Related To Industrial Activities." So, as first mentioned in Chapter 3 of this report, the discussion of "Stormwater Monitoring Related To Industrial Activities" has been moved from Chapter 3 to the discussion here in Chapter 11, Special Investigations.

There were no other special investigations underway at SDIA during the reporting period that resulted in any additional data or information relevant to urban runoff that has not already been presented elsewhere in this Annual Report.

STORM DRAINAGE SYSTEM BMP PROJECT

To briefly summize the Storm Drainage System BMP Project, the project was designed to: increase understanding of the site hydrology, the hydraulics of the MS4, and the pollutant sources on the airport site; evaluate historic stormwater sampling data and recommend improvements to the SDIA wet and dry weather stormwater sampling programs; evaluate the appropriateness and adequacy of the BMPs required by the Authority SWMP to address those sources; and provide recommendations for additional BMPs and for overall improvements to the SDIA stormwater management program and the SDIA SWMP document. MACTEC Engineering and Consulting, Incorporated was contracted to assist the Authority in conducting this project. The scope of work was divided into the 10 tasks listed below (which were fully described in the FY04-05 Annual Report).

- Task 1 Data Gathering and Review Completed in FY04-05
- Task 2 Hydrology Assessment Completed in FY04-05
- Task 3 Hydraulic Analysis Completed in FY05-06
- Task 4 Tidal Surge Study Completed in FY05-06
- Task 5 BMP Document Review Completed in FY04-05
- Task 6 Site Audit Completed in FY04-05
- Task 7 Stormwater Sampling Plan Completed in FY05-06
- Task 8 Catastrophic Fuel Release Evaluation Completed in FY05-06
- Task 9 Chemical Emergency Response Evaluation Completed in FY05-06
- Task 10 BMP Recommendations Completed in FY05-06



THE SAMPLING PLAN

Task 7 of the Storm Drainage System BMP Project, entitled Stormwater Sampling Plan, resulted in a completely revised and updated Sampling Plan that addresses the runoff sampling requirements of the General Industrial Storm Water Permit, but also helps to identify sources of runoff pollution from the airport and helps to evaluate the effectiveness of the BMPs being implemented. MACTEC evaluated the quality of the existing historic stormwater sampling data set and recommended a sampling program that provides representative sample locations and a sufficient amount of data to provide adequate statistical power in evaluating long-term program effectiveness. Development of the Sampling Plan also included consideration of the variability in annual precipitation patterns at the airport and the impact of such variability on program implementation and on the assessment of long-term program effectiveness. The final stormwater Sampling Plan was completed in November of 2005.

The Authority's storm water sampling program is based on the Sampling Plan, with the objectives of: 1) compliance with permit conditions; 2) identification and characterization of sources of pollutants-of-concern (POCs); and 3) measuring the effectiveness of BMPs in controlling runoff water quality. These objectives were also reflected in outcome of Task 10 of the Storm Drainage System BMP Project, the BMP Recommendations Report (MACTEC, 2005). The objectives of the BMP Recommendations Report were to ensure that BMPs comply with the BAT/BCT and Maximum Extent Practicable (MEP) standards and to identify BMPs that can reduce the concentrations of POCs. Ultimately, implementation of both the Sampling Plan and the BMP Recommendations Report is designed to: (1) demonstrate that storm water quality is below the relevant benchmark for the POCs; and (2) show that the water quality is improving over time as current BMPs are implemented and any new BMPs or modifications to existing BMPs are introduced. Although the Sampling Plan was completed in time to allow the Authority to use the sample sites described in the Sampling Plan for the FY05-06 wet season (as discussed in Annual Report for FY05-06), full-scale implementation of the Sampling Plan as outlined below began at the start of the FY06-07 wet season. In FY06-07, all elements of the Sampling Plan - compliance sampling, source identification sampling, and BMP effectiveness sampling - were performed as described in the plan.

COMPLIANCE SAMPLING ELEMENT The first objective of the Sampling Plan is compliance with applicable permit-required monitoring. The Authority must comply with both the Municipal Permit and the General Industrial Storm Water Permit. Monitoring is required under both of these permits. The Authority is required to conduct dry weather monitoring and to participate in the regional wet weather monitoring program under the Municipal Permit. The San Diego Municipal Permit Copermittees currently contract for services to conduct the monitoring required to fulfill the requirements under the Municipal Permit. The Authority is also responsible for conducting monitoring under the General Industrial Storm Water Permit. The compliance sampling element of the Sampling Plan addresses only the monitoring requirements of the General Industrial Storm Water Permit, which are outlined in Section B.2 of the permit.

The General Industrial Storm Water Permit requires that the basic four analytes, namely oil and grease (O&G), specific conductance (SC), total suspended solids (TSS), and pH must be analyzed. In addition, samples must be analyzed for analytes that are likely to be found in storm water runoff from the permitted facility. Three analytes, namely biological oxygen demand (BOD), chemical oxygen demand (COD), and ammonia (NH3) are listed specifically by the permit for air transportation facilities. The other analytes, selected based on a review of historical water quality results and activities conducted within the drainage basins at SDIA, include total metals (aluminum, copper, iron, lead, and zinc), dissolved metals (copper and zinc), methylene blue active substances (MBAS), and total petroleum hydrocarbons (TPH). The Sampling Plan analyzes TPH as diesel range organics (C10-C24), Jet-A, and oil range organics (C22-C36). Although historical data for stormwater samples collected at SDIA suggest that glycols are not a POC, and therefore, glycols are not listed as analytes in the Sampling Plan, samples collected during the FY06-07 wet season were also analyzed for ethylene and propylene glycol. As such, samples from the compliance sampling locations were analyzed for these 15 POCs.

The General Industrial Storm Water Permit basically requires that facility operators shall collect storm water samples during the first hour of discharge from (1) the first storm event of the wet season, and (2) at least one other storm event in the wet season. Sample collection is only required of storm water discharges that occur during scheduled facility operating hours and that



are preceded by at least 3 working days without storm water discharge. The goal for compliance sampling element is, therefore, to obtain two grab samples per wet season from the first hour of discharge. Although the General Industrial Storm Water Permit requires only that samples be collected during "scheduled facility operating hours," because storms in the San Diego area do not usually begin until after 11 p.m. or later, sampling generally occurred outside of the scheduled facility operating hours in order to achieve the two sampling events required by the permit. The Sampling Plan also defines a storm event, in order to comply with General Industrial Storm Water Permit requirements and to increase the likelihood mobilizing for a successful sampling event.

Sampling locations selected for compliance monitoring are described in Table 11-1 and consist of ten primary locations. The locations of sampling sites are based on a review of the potential pollutants and pollutant sources, and the scope of operations within the drainage basins. Sampling locations were selected as far downstream as possible to capture as many areas with industrial activities as possible within a given drainage basin. Sheet flow runoff is collected where sampling locations are influenced by salt water intrusion from San Diego Bay or where access is restricted. A map of the sample locations described in the Sampling Plan is presented in Appendix C.

SOURCE IDENTIFICATION SAMPLING ELEMENT The second objective of the Sampling Plan is to identify and rate sources of POCs in terms of annual mass loading in storm water, the potential for reduction through BMP implementation, and the best combination of sources to address through BMP implementation to achieve pollutant load reduction objectives.

The effectiveness of BMPs currently being implemented was evaluated as part of the Site Audit report (MACTEC, June 2005) (Task 6 of the Storm Drainage System BMP Project). POCs were identified based on comparisons of historical stormwater quality data to selected benchmark values. The 12 analytes that exceeded the benchmarks were (in order of descending exceedance frequency): copper (total and dissolved), total zinc, total aluminum, total iron, biological oxygen demand (BOD), chemical oxygen demand (COD), total suspended solids (TSS), oil and grease, specific conductivity, total lead, ethylene glycol, and pH.

Table 11-1. Sample Locations for Compliance Sampling Element

Drainage Basin	Sampling Location ID	Sampling Method	Location Description
1	C-B01-1	Grab *	Sheet flow at storm drain inlet.
3	C-B03-2	Grab *	Sheet flow at storm drain inlet.
5	C-B05-3	Grab * *	Inlet pipe in storm drain inlet.
5	C-B05-4	Grab *	Sheet flow at storm drain inlet.
6	C-B06-5	Grab *	Sheet flow at storm drain inlet.
7	C-B07-6	Grab * * * *	Inlet pipe in manhole west of oil/water separator.
7	C-B07-7	Grab *	Sheet flow at storm drain inlet at end of concrete swale.
8	C-B08-8	Grab * * *	Sheet flow from the loading area of T1.
9	C-B09-10	Grab * *	Sheet flow at curb inlet at SE corner of T2 parking lot/road into lot.
12	C-B12-9	Grab * * * *	

^{*} Grab sample collected using a Vortox sampler

Copper and zinc were identified as the priority POCs because they exceeded the benchmark values more than 50 percent of the time, i.e., they had the highest exceedance frequencies airport-wide and for most of the outfalls and drainage basins. The other analytes that exceeded benchmark values are considered, for the purposes of the sampling program, secondary POCs. The source identification objectives of this sampling program focus on the primary POCs. The airport operations, industrial, and ground transportation land use categories generally had the highest copper and zinc Relative Pollution Risks (RPRs) of all land use categories within each of the drainage basins, as well as airport-wide (Site Audit, MACTEC, June 2005). The secondary POCs are also anticipated to benefit from the implementation of BMPs designed to address the primary POCs.



^{**} Grab sample collected using automated equipment

^{***} Composite sample collected using automated sampling equipment

Grab sample collected manually.

Samples from the source identification sampling locations were analyzed for the primary POCs (total and dissolved copper and zinc) and, to help assess the treatability of storm water runoff at SDIA, particle size distribution analysis was also performed at one sample location (which is considered to be representative of other drainage basins in terms of particle size distribution).

For the purposes of source identification sampling element, the number of samples required to estimate mean copper and zinc concentrations was based on the number of samples required for copper, determined by the power analyses detailed in the Sampling Plan itself to be 14 for airport operations related sources (i.e., runways, roofs, and aircraft loading/unloading areas) and 17 for ground transportation related sources (i.e., parking lots). Based on the weather characteristics of the San Diego region, and considering the cost of mobilization, a goal of capturing five to six storms per wet season at each sampling location was considered feasible, meeting the target of 14 for airport operations sources and 17 for ground transportation sources. This allowed mobilizing only for storms for which there was a high probability of successful sample collection. For the FY06-07 wet season, source identification samples were collected during both of the compliance sampling rounds and 4 additional storms that had been predicted to have a high chance of successful sample volumes.

A one-year period has been selected to gather the baseline source characterization data prior to the implementation of enhanced source control BMPs identified in the BMP Recommendations Report (MACTEC, 2005b). The minimum number of sampling locations was selected to meet the source identification objectives and achieve the required number of samples within the one year period, based on the power analysis detailed in the Sampling Plan. As such, 14 sampling locations have been selected to characterize the quality of non-industrial storm water runoff associated with vehicle and aircraft use and emissions, atmospheric deposition, and galvanized metal structures, particularly metal roofs.

Sampling locations are described in Table 11-2. Sampling locations were selected to capture runoff from parking lots, runways, roofs, airport operations and aircraft loading/unloading areas. Samples of runoff from parking lots will help evaluate the concentration of POCs in storm water

Table 11-2. Sampling Locations for Source Identification Sampling Element

Source Type	Drainage Basin	Sampling Location ID	Sampling Method	Location Description
Parking Lot	5	S-B05-5	Composite *	Inlet pipe in storm drain inlet. Same as location C-B05-3.
	8	S-B08-1	Composite *	Sheet flow at curb inlet 08-45-I. Combine with S-B08-2.
	8	S-B08-2	Composite *	Sheet flow at curb inlet on S end of T1 parking lot entry road. Combine with S-B08-1.
	9	S-B09-3	Composite *	Sheet flow at curb inlet on southeast corner of SE corner of T2 parking lot/road into lot. Combine with S-B11-4. Same as location C-B09-10.
	11	S-B11-4	Composite *	Sheet flow at manhole 11-10-M. Combine with S-B09-3.
Roof Runoff	7	S-B076	Grab * *	Flow from downspout on Authority employee office building.
	8	S-B08-8	Grab * *	Flow from downspout on T1 building.
	12	S-B12-7	Grab * *	Flow from downspout on T2 buildign.
Runway	3	S-B0310	Grab * * *	Sheet flow from runway at storm drain inlet.
	6	S-B06-11	Grab * * *	Sheet flow from runway at storm drain inlet.
	8	S-B08-9	Grab * * *	Sheet flow from runway at storm drain inlet.
Airport Operations	6	S-B06-12	Composite *	Inlet pipe in trench drain.
Aircraft Loading/	8	S-B08-14	Composite *	Sheet flow from the loading area of T1. Same as location C-B08-8.
Unloading	12	S-B12-13	Composite *	Sheet flow from the loading area of T2.

^{*} Composite sample collected using automated sampling equipment

runoff from vehicle emissions and use and atmospheric deposition. Samples of runoff from runways and airport operations will help evaluate the concentration of POCs in storm water runoff from aircraft emissions and use and atmospheric deposition. Samples of runoff from roofs will help evaluate the concentration of POCs in storm water runoff from metal roofs



86

^{**} Grab sample collected manually.

^{***} Grab sample collected using a Vortox sampler

and atmospheric deposition. For the FY06-07 wet season sampling effort, some of the sample locations and sampling methods are different than those listed in the Storm Water Sampling Plan. One of the sampling sites was moved because of potential construction in that location. Other sites were moved due to the infeasibility of installing automated monitoring equipment at those locations. For the runway sites, Vortox samplers were used to collect samples. When installed, the valves on the Vortox units were set to be fully open, so the sample collected was a grab rather than a composite. With the typically intermittent, small-scale nature of southern California storms, leaving the valve open only part-way in an attempt to collect a composite sample may have resulted in no or too little volume captured.

Sampling Locations S-B08-1 and S-B08-2 are sheet flow locations from the Terminal 1 parking lot. These samples are combined into one sample to reduce laboratory analytical costs and to provide a more representative sample of the entire parking lot. Similarly, Sampling Locations S-B09-3 and S-B11-4, sheet flow from the Terminal 2 parking lot, are combined. Sampling Location S-B05-5 was selected to characterize runoff from the large rental car storage lot in drainage basin 5.

To characterize runoff from the roofs of buildings at SDIA, Sampling Locations S-B07-6, S B12 7, and S-B08-8 were assigned to downspouts representative of various roofing materials and ages. Both terminals have multi-ply, built-up, shingle asphalt roofs with lead and galvanized steel flashing. Sampling Locations S-B08-9, S-B03-10 and S-B06-11 were chosen to characterize runoff from the runway, and Sampling Locations S-B12-13 and S-B08-14 were chosen to characterize runoff from aircraft loading/unloading areas. Sampling Location S-B06-12 was chosen to be a composite sample representing runoff from Drainage Basin 6, which has the highest RPR of all the drainage basins. This drainage basin is primarly comprised of airport operations and industrial land uses and contains a variety of both structural and non-structural BMPs.

BMP EFFECTIVENESS SAMPLING ELEMENT

The third objective of the Sampling Plan is to monitor the performance and effectiveness of BMPs for both discrete treatment control BMPs and BMP systems. BMP systems are considered combinations of source and treatment controls implemented throughout a watershed or basin that together can

provide a reduction in pollutants. For both treatment control BMPs and BMP systems, objectives are to assess whether the BMPs are reducing pollutant concentrations (for both primary and secondary POCs) below benchmark values and whether BMPs are achieving the short-term and long-term pollutant reduction objectives for the primary POCs. Since no new structural treatment control BMPs have been constructed at SDIA, no treatment control BMP monitoring was conducted.

The BMP effectiveness element of the Sampling Plan is designed to extend over a 10 year period. The 2006-2007 season represents the first year of both the paired watershed study (a 6 year program to evaluate BMP system effectiveness) and the trend analysis monitoring (a minimum 10 year program). In a paired watershed study, one watershed is considered the control. Within the control watershed, BMPs are neither added nor removed. The other watershed is the treatment or test watershed where new BMPs are implemented. Two periods of monitoring are required: calibration and treatment. During the calibration period, the two watersheds are treated identically and a relationship between the control and treatment watersheds is established. The 2006-2007 season represents the first year of the calibration phase. Two such studies are included in this program. The first consists of the parking lots for Terminal 1 and Terminal 2. The second study is between the drainage basins for Outfalls 8 and 12. For the trend analysis, the goal is to obtain enough data to confidently establish a downward trend of pollutants in storm water discharges. Drainage Basin 6 was selected as the location for monitoring long term pollutant trends because it had the highest RPR (Site Audit, MACTEC, June 2005) and is, therefore, a priority target for BMP implementation.

Samples from the BMP effectiveness sampling locations were analyzed for the primary POCs (total and dissolved copper and zinc) and secondary POCs (total aluminum, total iron, biological oxygen demand, chemical oxygen demand, total suspended solids, oil and grease, specific conductance, total lead, ethylene glycol, and pH). Seven (7) locations for BMP effectiveness monitoring were selected from the 14 source identification sampling locations to minimize the number of additional sampling locations. These 6 locations are: S-B06-12, S-B08-1, S-B08-2, S-B08-14, S-B09-3, S-B11-4, and S-B12-13.



Based on the power analyses in the Sampling Plan, 14 samples are required to compare mean concentrations to benchmark values. Three years of data will provide 15 samples for the BMP effectiveness sampling. The sampling frequency per wet season for BMP effectiveness monitoring also follows the same frequency of the source identification element, with 3 years allowed for the calibration period and 3 years for the treatment period. At the end of the three year calibration period, statistical analyses will be performed on the data to determine if an adequate number of samples have been collected before moving onto the treatment phase. To confidently establish a downward trend, monitoring at one established trend analysis location (S-B06-12) will be performed for a minimum of 10 years. Since the calibration and treatment sampling periods will last a combined six years, and since the trend analysis period requires a ten year period, and since the FY06-07 wet season is the first year for collecting any samples for the BMP effectiveness element of the Sampling Plan, there is no future discussion of this element of the plan in this Annual Report.

SAMPLE PLAN IMPLEMENTATION FY06-07 This section of the Annual Report summarizes the findings of the FY06-07 wet season sampling program as detailed in a "Final Storm Water Sampling Report," prepared by MACTEC, dated November 2007. A total of six storm events were monitored during the FY06-07 wet season, which was especially drier in comparison to previous years. The season's total rainfall for SDIA was 3.8 inches compared to the annual average rainfall of 10.2 inches. Table 11-3 provides a summary of each storm total rainfall and duration.

Table 11-3. Sampled Storm Event Summary

Event #	Date	Total Rainfall (inches)	Event Duration (hours)
1	October 14, 2006	0.76	9.3
2	December 16, 2006	0.29	12.7
3	December 17, 2006	0.13	1.2
4	January 31, 2007	0.53	34.3
5	Febraury 19, 2007	0.84	22.5
6	February 23, 2007	0.18	11.7

RESULTS AND ANALYSIS OF COMPLIANCE SAMPLING ELEMENT Compliance sampling was completed during the first 2 storm events of the season October 14, 2006 and December 17, 2006. A total of 20 compliance samples were collected over the two storm events at 10 sampling sites. The complete analytical results are located in Appendix C. A summary of the results, showing median, maximum, and minimum values, along with the coefficient of variance, are presented in Table 11-4.

Results from the compliance sampling element were compared to the USEPA Multi-Sector General Permit (for industrial activity) benchmarks. The number of exceedances was calculated and analyzed. Since they are source discharge limits rather than receiving water limits, the USEPA Multi-Sector General Permit analyte benchmarks were used for comparison. The benchmarks should not be considered effluent limitations, as they are derived from water quality objectives that only directly apply to receiving waters. Water quality objectives do not directly apply to storm water discharges for any number of reasons. Two parameters, ethylene glycol and specific conductance, are not listed in the USEPA Multi-Sector General Permit, but rather have been assigned appropriate benchmark values as listed in the Sampling Plan

As shown in Table 11-5, the median concentrations calculated for the compliance sampling POCs were compared to the benchmarks to determine the number of exceedances of those benchmarks that occurred. Ammonia, oil and grease, total iron, total lead, and ethylene glycol did not exceed the benchmarks. BOD, COD, total aluminum, total copper, total zinc, dissolved copper, and dissolved zinc exceeded the benchmarks in over 60% of the samples. The remaining POCs exceeded the benchmarks in less than 60% of the samples. The analytical data tables in Appendix C show the results for each storm at each location and indicate that one or more benchmark exceedances occurred at all locations.



Table 11-4. Compliance Sampling Analytical Results Summary

Pollutant of Concern	Units	Median	Coefficient of variation (%)	Maximum Value	Minimum Value	Number of Samples
Ammonia	mg/l	0.2	105	1.3	0.05	20
BOD	mg/l	65.5	93	370	18	20
COD	mg/l	146	107	1160	47	20
Specific Conductivity	umhos/com	229.5	235	10400	69.3	20
Oil & Grease	mg/l	3.75	51	7.3	0.5	20
pН	pH units	6.05	13	430	4.9	20
Total Suspended Solids	mg/l	50	108	8700	12	20
Aluminum, Total	ug/l	1195	125	2700	25	20
Copper, Total	ug/l	205	167	205	19	20
Iron, Total	ug/l	1.75	98	8.6	0.05	20
Lead, Total	ug/l	23.5	97	110	1	20
Zinc, Total	ug/l	240	182	6500	74	20
Copper, Dissolved	ug/l	99	189	2500	4.3	20
Zinc, Dissolved	ug/l	185	200	5800	7.3	20
Ethylene Glycol	mg/l	ND	ND	ND	ND	20
Propylene Glycol	mg/l	ND	ND	ND	ND	20
MBAS	mg/l	0.15	58	0.4	0.05	20
Diesel Range Organics	mg/l	0.66	122	5.3	0.05	20
Jet-A	mg/l	ND	ND	ND	ND	20
Oil Range Organics	mg/l	1.7	81	6.4	0.61	20

Table 11-5. Comparison of Compliance Sampling Results to Benchmarks

Pollutant of Concern	Units	Median	Benchmark	Number of Analyses	Number of Exceedances	Exceedance Frequency
Ammonia	mg/l	0.2	19	20	0	0 %
BOD	mg/l	65.5	30	20	16	80 %
COD	mg/l	146	120	20	14	70 %
Specific Conductivity *	umhos/com	229.5	900	20	2	10 %
Oil & Grease	mg/l	3.75	15	20	0	0 %
рН	pH units	6.05	6.0 - 9.0	20	10	50 %
Total Suspended Solids	mg/l	50	100	20	7	35 %
Aluminum, Total	ug/l	1195	750	20	12	60 %
Copper, Total	ug/l	205	63.6	20	15	75 %
Iron, Total	ug/l	1.75	81.6	20	0	0 %
Lead, Total	ug/l	23.5	1000	20	0	0 %
Zinc, Total	ug/l	240	117	20	18	90 %
Copper, Dissolved	ug/l	99	63.6	20	12	60 %
Zinc, Dissolved	ug/l	185	117	20	15	75 %
Ethylene Glycol * *	mg/l	ND	100	20	0	0 %

^{*} Exceedance is not of a USEPA Multi-Sector General Industrial Storm Water Permit as Specific Conductivity does not have a benchmark in the permit. Value is a Secondary Drinking water limit from "Drinking Water Standards, Maximum Contaminant Levels - California (California Department of Health Services), California Code of Regulations (CCR), Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring."



^{**} Value is from the Canadian Environmental Protection Agency Guidelines developed for storm water discharges from airports and based on a scientific study of the 48-hour lowest concentration at which effects were observed (LOEC) for growth inhibition in Chilomonas paramecium.

RESULTS AND ANALYSIS OF SOURCE IDENTIFICATION SAMPLING ELEMENT Source identification sampling was performed during the six storm events in the FY06-07 wet weather sampling season. The samples were collected from each of the 14 source identification monitoring sites during the first five storms of the season, with the exception of five roof runoff samples. Samplers made several attempts to collect these samples, however, the roof downspouts were not observed to be flowing during any of these attempts. During the last storm event on February 22, 2007, samples were only collected from those sites identified as requiring six samples for the FY06-07 wet season (i.e. parking lot sites), and those that had incomplete sampling for the 2006-2007 season, namely the two roof runoff monitoring sites, S-B12-7 and S-B08-8.

The complete analytical results for the source identification sampling are also located in Appendix C. A summary of the results, showing the median, maximum, and minimum values along with the coefficient of variance, are presented in Table 11-6. Those source identification sites which also double as the BMP effectiveness sites (S-B08-1, S-B08-2, S-B09-3, S-B11-4, S-B12-13, S-B08-14 and S-B06-12) were sampled for the complete list of POCs. Samples from the remaining sites were analyzed for total copper and zinc and dissolved copper and zinc. Particle size distribution analyses were attempted by the laboratory for site S-B06-12, but the concentration of particles was insufficient each time for a result to be obtained.

The results of the source identification sampling were analyzed in two ways to determine which basin(s) and source(s) appear to contribute the largest amount of pollutants. The samples were categorized by the spatial location and by the source of the pollutants. Spatial analysis helps determine if certain drainage basins have higher pollutant concentrations. The source of the pollutants can be used to target BMP implementation. Mass loadings from the different pollutant sources were calculated for the POCs.

In terms of spatial trend analysis, each of the sample locations was selected to represent both different pollutant sources and the storm water drainage basin. Comparing the results by basin provides a rough understanding of where higher pollutant sources may be found. It is important to remember that the source identification samples combined multiple pollutant sources and included a mixture of grab and composite sampling techniques.

Table 11-6. Source Identification Sampling Analytical Results Summary

Pollutant of Concern	Units	Median	Coefficient of variation (%)	Maximum Value	Minimum Value	Number of Samples
BOD	mg/l	34	64	104	9	28
COD	mg/l	78.5	59	218	14	28
Specific Conductivity	umhos/com	146.5	45	378	71	28
Oil & Grease	mg/l	1	65	4	1	28
рН	pH units	7	8	8	5	28
Total Suspended Solids	mg/l	12	108	96	4	28
Aluminum, Total	ug/l	110	200	3915	25	28
Copper, Total	ug/l	54	156	2000	10	61
Iron, Total	ug/l	145	206	5605	20	28
Lead, Total	ug/l	1	155	55.5	1	28
Zinc, Total	ug/l	130	350	21000	30	61
Copper, Dissolved	ug/l	43	178	1700	4	61
Zinc, Dissolved	ug/l	100	373	20000	5	61
Ethylene Glycol	mg/l	5	39	16	5	28
Propylene Glycol	mg/l	5	130	58	5	28

The results from the sampling site in Drainage Basin 7 were the highest for both total copper and total zinc. The site was a roof-runoff sampling location (S-B07-6), but may indicative of the amount of these POCs entering the storm drainage system from this particular drainage basin. The next highest results were from Drainage Basin 6 for total copper and Drainage Basin 8 for total zinc, representing sources from the runway and a parking lot, respectively. Drainage Basin 5 had the lowest total copper and total zinc results. The sampling location in Drainage Basin 5 (S-B05-5) represented runoff from the rental car parking lot on the northeast side of the facility. This area is mainly used to store vehicles and has limited other usage or buildings. The volume of vehicular traffic in this parking area is much less than that in the Terminal parking lots.



In terms of pollutant sources analysis, each sampling site is linked to a pollutant source, as noted above. The relationships are shown in Table 11-7. One way to compare the pollutant sources was to calculate the annual mass load for each source. The mass load takes into account the amount of runoff and the concentration of pollutant. Only the parking lot and airport operations sample locations collected flow data, using automated flow-weighted composite sampling equipment. However, the Sampling Plan provides a methodology for estimating the annual mass pollutant load without flow information.

Table 11-7. Pollutant Source for Each Source Identification Sampling Location

Source	Sampling Locations	
Parking Lots	S-B05-5, S-B08-1, S-B08-2, S-B09-3, S-B11-4	
Roof Runoff	S-B07-6, S-B08-8, S-B12-7	
Runway	S-B03-10, S-B06-11, S-B08-9	
Airport Operations	S-B06-12, S-B08-14, S-B12-13	

For the parking lot and airport operations samples, the annual mass load was calculated for each sampling site using the following formula:

Annual Pollutant Load = EMC (ug/L) * Flow Volume (L) * 2.2×10^{-9}

where:

EMC = Event mean concentration for the season;

Flow Volume = Total annual flow volume

 2.2×10^{-9} = Conversion factor from ug to lbs

The annual pollutant load from each sampling site was added together to represent the annual load from that particular source. For example, loads from S-B06-12, S-B12-13, and S-B08-14 were added together to get the total load from the "airport operations" source. Because the area contributing to the sample sites was smaller than the estimated total area for each pollutant source, the annual load was portioned up to estimated the load from the total pollutant area.

For the roof runoff and runway sample locations the annual pollutant loads were calculated using the grab sample EMC. Annual pollutant loads are calculated as follows:

```
Annual Pollutant Load = Runoff area (sq ft) * Annual Rainfall (ft) * (0.3048)^3*1000*EMC/454,000
```

where:

Annual Rainfall = 3.8 inches from October 2006 to May 2007 $(0.3048)^{3} = \text{conversion from cubic feet to cubic meters}$ 1000 = conversion factor from cubic meters to liters EMC = Event mean concentration 454,000 = conversion factor from mg to lbs

The results of these calculations are presented in Table 11-8. The results from the grab sample annual load calculations are much larger than the results from the composite sample calculations. It appears that roofs are a much larger source of zinc and the runway/ramp is a source of copper. When comparing just the parking lots and airport operations, the parking lots are a larger source of zinc. The total copper load for both parking lots and airport operations are so close that there is not a statistical difference. Ranking the pollutant sources from highest to lowest pollutant load, the list appears as follows: 1) for total copper - runway/ramp, roofs, parking lots, airport operations; 2) for total zinc - roofs, runway/ramp, parking lots, airport operations.

CONCLUSIONS AND RECOMMENDATIONS FROM IMPLEMENTATION OF THE SAMPLING PLAN IN FY06-07 The analytical data for compliance sampling indicate that one or more benchmark exceedances occurred at all locations. The POCs exceeding the benchmarks were BOD, COD, total aluminum, total copper, total zinc, dissolved copper, and dissolved zinc in over 60% of the samples, and pH, Specific Conductivity, and total suspended solids in less than 60% of the samples. Total zinc consistently exceeded benchmarks in all drainage basins sampled. Dissolved zinc exceeded the benchmark in all drainage basins sampled, except for Drainage Basin 3; total and dissolved copper exceeded the benchmark in all drainage basins sampled except for Drainage Basins 3 and 9; BOD exceeded the benchmark in all drainage basins sampled except for Drainage Basin 5; COD exceeded benchmarks in all except for Drainage



Table 11-8. Annual Pollutant Load Calculated for Pollutant Source Types

Source	Sampling Locations	Source Area (acres)	Pollutant of Concern	Annual Load (lbs)
Parking Lots	S-B05-5,	80	Copper, Total	1.00
	S-B08-1, S-B08-2,		Copper, Dissolved	0.60
	S-B09-3, S-B11-4		Zinc, Total	4.34
			Zinc, Dissolved	2.40
Roof Runoff	S-B07-6,	40	Copper, Total	14.28
	S-B08-8, S-B12-7		Copper, Dissolved	8.96
			Zinc, Total	124.09
			Zinc, Dissolved	111.79
Runway	S-B03-10,	320	Copper, Total	132.34
	S-B06-11, S-B08-9		Copper, Dissolved	105.36
			Zinc, Total	51.15
			Zinc, Dissolved	45.13
Airport	S-B06-12,	90	Copper, Total	0.91
Operations	S-B08-14, S-B12-13		Copper, Dissolved	0.52
			Zinc, Total	2.11
			Zinc, Dissolved	1.85

Basins 5 and 9; pH exceeded benchmarks in all except for Drainage Basins 5 and 7, and aluminum exceeded benchmarks in all except for Drainage Basins 7, 8 and 12. Possible sources of the analytes that exceeded the benchmark values and the status of BMP implementation should be investigated within the upstream drainage basins. Another airport-wide site audit of BMP implementation was recently initiated and may provide some answers as to why exceedances occur within certain drainage basins. The site audit may also help lower pollutant levels by targeting areas that need improved BMP implementation.

Ranking the pollutant sources from highest to lowest pollutant load, the list appears as follows: 1) for total copper - runway/ramp, roofs, parking lots, airport operations; 2) for total zinc - roofs, runway/ramp, parking lots, airport operations.

The FY06-07 wet season source identification sampling results suggest that the runway/ramp areas and roofs be considered priority areas for the implementation of treatment control BMPs to reduce copper and zinc loads in storm water discharges. In fact, the Authority has already initiated a FY07-08 capital improvement roof downspout treatment BMP pilot program to reduce copper and zinc in roof runoff.

RESPONSE TO OCTOBER 31, 2007 RWOCB REVIEW LETTER In the October 31, 2007 RWQCB Review Letter, RWQCB staff noted two issues that are addressed here. In Comment #4 of the letter, RWQCB staff "noted that the number and names of your sampling points (presented in Chapter 3, under the heading of "Stormwater Monitoring Related To Industrial Activities" in the FY05-06 Annual Report) have been revised from last year's annual report," and asked the Authority to "submit a revised site map, for the Storm Water Management Plan, showing the revised sampling locations with an explanation on the reasons for the relocation." The revised map of sampling locations to be incorporated into the Authority's SWMP is the same map presented in Appendix C of this report. The number and names of the sampling points points changed with the development and implementation of the November 2005 Sampling Plan, (the implementation of which has been discussed in detail throughout this chapter).

As stated previously, one of the ultimate goals both the Sampling Plan and the BMP Recommendations Report is to show that runoff water quality is improving over time as new BMPs are introduced or existing BMPs are more fully implemented or modified. In Comment #8, under the heading of Special Investigations, RWQCB staff directed the Authority to "please report when the Storm Water Management Plan will be updated and incorporate the recommendations from the final BMP Recommendations Report by MACTEC, dated March 2006." The recommendations of the BMP Recommendation Report will be incorporated into the revised SWMP currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.





12 Assessment of Program Effectiveness

The Authority continues to evaluate the effectiveness of the SDIA stormwater management program in both the short-and long-term. For some time, the Authority has shared the concern of local, state, and national stormwater management practitioners regarding the means and methods used to assess the effectiveness of any stormwater management program. The San Diego Municipal Copermittees have developed, and continue to develop, criteria that allows for an assessment of the effectiveness of stormwater management efforts implemented in accordance with the Municipal Permit. The Copermittees produced "A Framework for Assessing the Effectiveness of Jurisdictional Urban Runoff Management Programs" (Framework) as a guidance document. The concepts developed in the Framework have since been incorporated into guidance offered by the California Stormwater Quality Association (CASQA). The Framework allows the Authority to conduct an assessment of: a) SDIA SWMP implementation; b) program effectiveness at improving stormwater discharge and receiving water quality; c) identification of management measures proven to be ineffective in reducing urban runoff pollutants and flow; and d) identification of any changes necessary to ensure the effectiveness of the program. The following presents both a narrative assessment of each component of the SDIA stormwater management program during FY06-07 and an assessment of the program in terms of the Framework. As a logical extension of the assessment, this chapter also identifies any improvement or degradation observed in water quality.

NARRATIVE ASSESSMENT OF PROGRAM COMPONENTS

Chapters 2 through 10 of this report outline the Authority's implementation of program components during FY06-07. A narrative assessment of each program component and identification of the strengths and weaknesses of the components are presented here. Taken as a whole, the SDIA SWMP is generally effective and in compliance with the Municipal Permit.

The Municipal, Industrial, and Commercial Components of the SWMP are designed to comply with both the Municipal Permit and the General Industrial Storm Water Permit. These components are considered to be well defined and properly implemented. Although the programs have been expanded to include implementation of stormwater management practices related to roads, parking lots, and recycling, most of the program elements of the Municipal Component have been in place since the 1990's when airport operations were first required to comply with the General Industrial Storm Water Permit. The Municipal, Industrial, and Commercial Components are essentially the strength of the SWMP. Chapter 3 identifies one change to the inventory of industrial operations - with 1 new tenant being added. In addition to this one inventory change, Chapters 2, 3, and 4 note that the Authority intends to conduct a thorough evaluation of the SWMP, and the need for further changes, in light of the output from the Storm Drainage System BMP Project and the re-issued Municipal Permit. Changes and modifications to the SWMP will appear in the revised plan currently being prepared and scheduled for submittal to the RWQCB in March of 2008.

The Land Use Planning Component of the SWMP has focused on adoption of the Airport Master Plan and the implementation of the SDIA SUSMP process. As noted in Chapter 6 of this Annual Report, the Master Plan continued to undergo CEQA review through FY05-06. None of the development projects initiated at the airport in FY06-07 were subject to the SUSMP process. The Land Use Planning Component of the SWMP remains effective. Any modifications to this component of the SWMP will appear in the revised plan scheduled for submittal to the RWQCB in March of 2008.

The Environmental Affairs Department continues to take an active role in pre-construction project meetings and regular project progress meetings with the construction contractors and relevant SDCRAA staff. The



Environmental Affairs Department also continues to inspect construction activities at a frequency in excess of the Municipal Permit requirements. The Construction Component of the SWMP is considered to be effective. Any modifications to this component of the SWMP will appear in the revised plan scheduled for submittal to the RWQCB in March of 2008.

As discussed in Chapter 8 of this Annual Report, the Authority issued 2 written Notices addressing unauthorized discharges during FY06-07. The dry weather monitoring program also identified 1 issue requiring further evaluation. In general, Chapter 8 notes that illicit discharges are being reported and resolved. The IDDE Component of the SDIA SWMP is considered effective. Any modifications to this component of the SWMP will appear in the revised plan scheduled for submittal in March of 2008.

The Education Component of the SDIA SWMP has been designed to increase public knowledge about stormwater issues and concerns both at the airport and throughout the San Diego Bay watershed. The tables included in Chapter 9 of this Annual Report outline the substantial amount of training and outreach conducted during FY06-07. The education and outreach efforts continue to expand in an attempt to strengthen the effectiveness of this component of the program. Any modifications to the SWMP will appear in the revised plan to be submitted to the RWQCB in March of 2008.

Chapter 10 of this Annual Report reports that there are numerous meetings either held by or attended by the Authority Board or staff which represent significant opportunities for public participation. In short, the Public Participation Component remains an effective element of the SDIA SWMP, and again, any modifications to the SWMP will appear in the revised plan scheduled for submittal in March of 2008.

Finally, Chapter 13 of this Annual Report demonstrates that the Authority has sufficient financial resources to implement the SDIA SWMP. The analysis presents the expenditures for FY06-07, the budget for FY07-08, the source of the funds, and a description of the use of these funds. Any modifications to the SWMP will appear in the revised plan scheduled for submittal in March of 2008.

ASSESSMENT OF THE SDIA SWMP PROGRAM USING THE FRAMEWORK

The following assessment of the SDIA stormwater management program is based on the Framework noted above. The Framework builds upon a foundation of basic program activity assessments (Program Assessment element) and moves towards a water-quality based assessment (Water Quality Assessment element) to evaluate the overall effectiveness of the program (Integrated Assessment element). The Framework uses direct and indirect measurements of program effectiveness, employs methods to estimate pollutant loads, and incorporates discharge and receiving water quality monitoring. The Framework presents a six-tier hierarchy of program outcomes that can be used independently or in combination to evaluate effectiveness. The six levels of assessment outcomes are listed below:

Level 1 - Compliance with Activity-based Permit Requirements

Level 2 - Changes in Knowledge/Awareness

Level 3 - Behavioral Changes and BMP Implementation

Level 4 - Load Reductions

Level 5 - Changes in Discharge Quality

Level 6 - Changes in Receiving Water Quality

The Authority recognizes the importance of evaluating the effectiveness of program components and the program as a whole. To that end, the Authority has adopted the Framework planning and implementation processes to conduct pollutant source characterization, select appropriate BMPs, target the outcomes of BMP implementation, and identify adequate measures of program effectiveness. The application of the Framework to the Authority's stormwater management program follows:

Level 1 - Compliance with Activity-based Permit Requirements

The Municipal Permit requires the establishment of specific urban runoff management program components, activities, and frequencies, with the assumption that these particulars will reduce urban runoff pollution and improve receiving water quality. The degree to which the activities required by the Permit are implemented constitutes the first level and foundation of the Framework program assessment hierarchy. Tracking this information over time allows the Authority to assess consistent and incremental program improvements. Table 12-1 presents the activity-based requirements of the Permit and the Authority's implementation of these requirements during FY06-07. As shown in Table 12-1, the Authority has met all the activity-based requirements of the Municipal Permit.



Table 12-1. Assessment of Activity-based Permit Requirements

Permit Section	Activity	Identified	Completed
F.1 Land Use	Number of projects subject to SUSMP requirements	0	0
F.2 Construction	Number of high priority construction sites subject to inspection	0	0
	Number of medium/low priority construction sites subject to inspection	8	8
	Number of enforcement actions taken	0	0
	Number of construction projects referred to RWQCB for enforcement of State General Construction Storm Water Permit	0	0
F.3.a Municipal	Number of high priority municipal operations subject to inspection	32	32
	Quantity of debris and material removed from the MS4 (in cubic yards)	12.5	12.5
	Quantity of debris and material captured by street sweeping (in cubic yards)	5.75	5.75
F.3.b Industrial	Number of high priority industrial operations subject to inspection	42	42
	Number of enforcement actions taken	9	9
	Number of operations referred to RWQCB for enforcement of State General Industrial Storm Water Permit	0	0
F.3.c Commercial	Number of high priority commercial operations subject to inspection	1	1
	Number of medium/low priority commercial operations subject to inspection	14	14
	Number of enforcement actions taken	1	1
F.4 Education	Number of stormwater related educational materials/brochures	Not applicable	2,500
	Number of stormwater education mechanisms for the general public	Not applicable	8
	Number of stormwater training mechanisms for staff	Not applicable	13
	Number of storm water training mechanisms for tenants	Not applicable	10
	Number of stormwater training mechanisms for construction project managers, developers, and contractors	Not applicable	6
F.5 IDDE	Number of dry weather monitoring locations for all of FY06-07	14	14
	Number of IDDE events recorded by hotlines and other reporting methods	Not applicable	220
	Number of enforcement actions taken	7	7
F.6 Public	Number of types of participation mechanisms for staff and tenants	Not applicable	6
Participation	Number of types of participation mechanisms for the general public	Not applicable	7

Level 2 - Changes in Knowledge/Awareness

One of the desired outcomes of the Authority's stormwater management program is a change in the knowledge, awareness, or attitudes of staff, tenants, and the general public. A major goal of the Authority's SWMP education and public participation efforts is to instill knowledge and awareness about stormwater management issues in these target audiences.

The Authority used three mechanisms during FY06-07 to assess changes in knowledge and awareness: (1) the IDDE hotline reporting information (Appendix B); (2) the number of hits to the Authority's environmental webpage; and 3) the number of staff and tenants taking a pledge to help keep the airport litter-free. As discussed in Chapter 8, the IDDE hotline records information on potential unauthorized ranging from trash and debris to spills of hazardous materials. It is expected that increased public awareness about the potential impacts of urban runoff will result in an increase in the number of incidents recorded in the 24-hour IDDE log, but that the number of incidents reported would decrease as staff and tenants became more aware of the illicit discharges and also as they began to properly implement BMPs. While no statistical assessment of the information has been performed as of yet, there were 220 IDDE incidents reported in FY06-07, in comparison to 257 incidents in FY05-06, 218 incidents in FY04-05, and 167 incidents in FY03-04. It is possible that the increasing trend may have reached a plateau and expected reversal in the number of incidents has begun. At this time, the trend suggests that staff, tenants, and the general public are becoming more aware of stormwater pollution and the need for pollution prevention, and may be starting to properly implement BMPs.

The Authority's website, particularly the environmental webpage, provides staff, tenants, and the general public access to information regarding stormwater management efforts at SDIA, including the SWMP itself. Making basic stormwater management information available should increase public awareness of stormwater management concerns. The environmental webpage had a total of 14,433 hits during the reporting period. This represents an average of approximately 278 hits per week. Although the rate of weekly hits exceeds the 88 hits per week reported in the FY05-06 Annual Report, it is still less than the 370 hits per week recorded in FY05-06.



The average number hits per week in FY03-04 was reported to be 120. These four years of data are not yet indicative of a trend. As such, the Authority will continue to track the number of hits to the environmental webpage in future annual reports in an effort to assess the utility of this information in drawing conclusions about the effectiveness of the Authority's stormwater management program.

The FY04-05 and FY05-06 Annual Reports presented the results of a survey instrument the Authority used in each of those years to assess changes in knowledge and awareness of staff and tenants. The results of the survey suggested that the expanded education and outreach efforts of the Authority were being effective, althouth the statistical significance of the data had never been evaluated. In FY06-07, however, after having attending a community-based social marketing workshop, the Environmental Affairs Department determined that surveys were only one aspect of assessing changes in knowledge and awareness. In fact, according to community-based social marketing principals, surveys may be more effective at determining the motivation or lack of motivation on the part of an audience to actually effect a behavorial change. Other community-based social marketing mechanisms for effecting real change in a target audience include gaining more direct involvement from the audience in which change is desired. With these ideas in mind, during FY06-07, the Environmental Affairs Department abandoned the continue use of a survey and instead used a pledge on the part of tenants and staff to help keep the airport grounds litter-free as a mechanism to garner community involvement and germinate lasting knowledge and awareness of the behaviors that can improve the quality of stormwater running off the airport property. A combined total of 1,030 tenants and staff took the pledge: 780 tenants and 250 staff. The Authority will continue to expand the use of community-based social marketing to effect and assess changes in knowledge and awareness.

The education and outreach efforts of the Authority continue to expand. As seen in Chapter 9 of this report, these efforts included more terminal displays and signage, more Tenant Advisories, and more training. The impact of these expanded efforts in increases in tenant knowledge and awareness is suggested by the 1,030 people who in FY06-07 pledged to help keep the airport environment cleaner.

Level 3 - Behavioral Changes and BMP Implementation

One primary objective of the Authority's stormwater management program is to affect significant and lasting changes in the behavior of target audiences. Ideally, behavioral changes are expressed in terms of consistent BMP implementation. The Framework indicates that estimating or quantifying BMP implementation is one component of a successful effectiveness assessment strategy.

Both the FY04-05 and FY05-06 Annual Reports noted that the Authority had conducted a site-wide audit of BMP implementation by the Authority staff and tenants between February 2, 2005 and March 11, 2005. The methodology used to conduct the audit and the results of the audit were documented in the June 2005 Final Site Audit Report prepared by MACTEC. The audit was part of the Storm Drainage System BMP Project discussed in Chapter 11 of this report.

A detailed discussion of site audit was presented in this same section of the FY05-06 Annual Report. In short, the site audit contained elements of both the Program Assessment and Water Quality Assessment aspects of the Framework. In terms of Program Assessment, the site audit provides an accounting of BMP implementation activities, as well as an assessment of the spatial distribution of implementation activities, which may provide useful information as to whether priority areas and problems are being adequately addressed. The site audit helped to identify potential pollutant sources and to assess the level of implementation of SWMP-required BMPs by staff and tenants. The site audit developed standardized methods for documenting potential pollutant sources and BMP implementation. The site audit established a baseline for assessing future changes in behavior and BMP implementation. The site audit represents a major step by the Authority to develop a mature program assessment strategy.

The site audit was organized around the BMP categories contained in the SWMP. During the Site Audit, staff and tenants were questioned about the level of implementation of required BMPs, including treatment or structural BMPs, for each potential pollutant source. BMP implementation rates were then calculated for the Authority as a whole, individual tenants, and 4 general land use categories. Implementation rates alone did not fully describe how



well BMPs were implemented by any particular operation - whether the Authority or tenant. Other factors needed to be considered, such as the complexity of the operations. The Site Audit developed a method to weigh the operational complexity of BMPs required for implementation. The BMP implementation rates and total complexity scores for operations conducted by either Authority staff or tenants were presented in the Final Site Audit Report and discussed in the FY05-06 Annual Report.

As stated in the June 2005 Final Audit Report, and both the FY04-05 and FY05-06 Annual Reports, the Authority has always intended to perform future audits using the same criteria to allow for continued comparison and evaluation of the Authority's stormwater management program effectiveness. Each of these earlier reports also note that the site audit is not intended to be conducted annually, but more appropriately on a bi-annual basis. A second site audit was initiated at the end of FY06-07. The results of the second audit found that: a) no tenant scored a BMP implementation rate of 60 percent or less (compared to 2 tenants in the FY04-05 audit); b) 4 tenants scored between 61 and 80 percent (compared to 16 in FY04-05 audit); and c) 28 (including the Authority) scored between 81 and 100 percent (compared to 14 in the FY04-05 audit). The results indicate an overall improvement in BMP implementation at SDIA. The land use category BMP implementation rates were: a) Commercial at 87 percent (compared to 64 percent in FY04-05 audit); b) Industrial-Tenant at 86 percent (compared to 78 percent in the FY04-05 audit); c) Industrial - Airport Operations at 84 percent (compared to 68 percent in FY04-05); and d) Ground Transportation at 78 percent (compared to 61 percent in the FY04-05 audit). These results also indicate improvements in BMP implementation at SDIA. The median implementation frequency for tenants and the Authority combined also increased from 77.3 percent in the FY04-05 audit to 86.7 percent in the FY06-07 audit.

The site audits conducted in FY04-05 and FY06-07 identified deficiencies in BMP implementation and provided a list of recommended changes for the Authority's stormwater management program. Appropriate modifications to the SWMP will appear in the revised plan scheduled for submittal to the RWQCB in March of 2008. The site audits also provided the Authority with a better understanding of pollutant sources associated with airport activities, as well as an initial baseline on BMP implementation rates that can be used

to assess future behavioral changes in BMP implementation. The findings of these and future site audits will also be used to increase awareness and help to produce changes in behavior and BMP implementation rates.

Level 4 - Load Reductions

The primary goal of BMP implementation is to reduce the pollutant loadings to stormwater discharges and, in turn, effect improvements to receiving water quality. Evaluating load reductions related to BMP implementation is one part of the Authority's program assessment process and part of the Framework. By working to establish Framework Level 4 outcomes, the Authority hopes to understand the relationship of BMP implementation to water quality improvement. The site audit, discussed in the Level 3 program assessment above, began the identification and characterization of the pollutants of concern that impact storm water quality at the airport. The results of the site audit also influence the revised Sampling Plan, dated November 2005. The continued development of both the site audit process and the implementation of the Sampling Plan are designed to provide the Authority with mechanisms for estimating load reductions related to the improved implementation of existing BMPs and/or the implementation of new BMPs as part of the Authority's stormwater management program.

The contribution of specific sources to stormwater runoff at the airport are not currently well-known, although probable contributors appear to be fairly ubiquitous throughout the airport and, possibly, adjacent properties. The site audit determined that the activities and sources most closely associated with the airport operations, industrial, and ground transportation land use categories are assumed to be the primary contributors of potential pollutants. The 3 probable contributors of the copper and zinc associated with both the airport operations and ground transportation land use categories are: 1) vehicle and aircraft use and emissions; 2) galvanized metal structures; and 3) atmospheric deposition. The probable contributors of copper, zinc and other metals associated with industrial land uses are: 1) vehicle, equipment, and aircraft maintenance and emissions; 2) outdoor storage and use of paints, motor oils, inoperable vehicles, etc.; 3) industrial spills and releases; and 4) other industrial activities.



As discussed in Chapter 11 above, the "source identification sampling element" of the Sampling Plan was implemented during the FY06-07 wet season. The element built on the outcome of the FY04-05 audit and evaluated sources of POCs in terms of annual mass loading in storm water, the potential for reduction through BMP implementation, and the best combination of sources to address through BMP implementation to achieve pollutant load reductions. Fourteen (14) sampling locations were selected to characterize the quality of non-industrial storm water runoff associated with vehicle and aircraft use and emissions, atmospheric deposition, and galvanized metal structures, particularly metal roofs. The site audit had identified copper and zinc and the primary POCs and so the source identification element of the Sampling Plan focused on these pollutants.

Source identification sampling was performed during six storm events in the FY06-07 wet weather sampling season. The results of the sampling were analyzed to determine which source(s) appear to contribute the largest amount of pollutants. First, the samples were categorized by the spatial location and by the source of the pollutants to help determine if certain drainage basins had higher pollutant concentrations. The source of the pollutants can be used to target BMP implementation. Second, mass loadings for copper and zinc were calculated for the different pollutant sources.

In terms of spatial trend analysis, the results from Drainage Basin 7 were the highest for both total copper and total zinc. The next highest results were from Drainage Basin 6 for total copper and Drainage Basin 8 for total zinc, representing sources from the runway and a parking lot, respectively. In terms of pollutant sources and mass loading analysis, the annual mass load was calculated for each source. Results of the analysis showed that roofs appeared to be a much larger source of zinc, estimated to be as much as 225 lbs annually. The runway/ramp was the larger source of copper, estimated to be as much as 235 lbs annually. As for the parking lots and airport operations, the parking lots were a larger source of zinc, although estimated at less than 7 lbs annually. The total copper load for both parking lots and airport operations were estimated to be slightly more than 1.5 lbs, and so close that there was no statistical difference. Ranking the pollutant sources from highest to lowest pollutant load, the list appeared as follows:

- 1) for total copper runway/ramp, roofs, parking lots, airport operations;
- 2) for total zinc roofs, runway/ramp, parking lots, airport operations.

The outcomes from completed and future site audits, as well as the results from the dry and wet season monitoring programs outlined in the Sampling Plan, will be used to prioritize stormwater management activities and identify potential program improvements. By working to establish Framework Level 4 outcomes, the Authority hopes to gain an understanding of the relationship of required BMPs to water quality improvement. To avoid specious conclusions, these load reduction estimation exercises often require large datasets collected over time. The Level 4 assessment provided here outlines a process for estimating future load reductions and provides baseline information from which to draw future comparisons.

Level 5 - Discharge Quality

Changes in discharge quality should be the direct result of successful stormwater management program implementation. Establishing relationships between discharge quality and specific program components, however, can still be difficult. The 2 NPDES permits applicable to SDIA require that the quality of stormwater runoff from SDIA not cause or contribute to the violation of applicable water quality standards. Although neither of these 2 NPDES permits contains effluent limitations, they both require monitoring programs. The Municipal Permit requires a jurisdictional dry weather monitoring program. The results of the Authority's dry weather monitoring program are presented in Chapter 8 of this Annual Report. The General Industrial Stormwater Permit requires a facility to conduct wet weather stormwater sampling. The results of the Authority's wet weather monitoring program are presented in Chapter 11 of this report.

The results of the Authority's dry weather monitoring program, presented in Chapter 8 of this report, indicate that there were only 3 sites, out of 14 monitored in FY06-07, at which a sufficient volume of water was present to allow sampling (once field analyses ruled out the likelihood of salt water intrusion). The ponded water sampled at one of these 3 sites did not exceed the field sampling action levels, although there was an insufficient volume of water to allow for the collection of a sample for laboratory analysis. Laboratory analyses of the ponded water collected at another of the 3 sites reported copper concentrations exceeding the action level on both occasions on which the site was sampled, and zinc concentrations exceeding the action level on one of those occasions. Field sampling of the



ponded water at this site did not exceed any action levels on either of the two occasions on which it was found. The laboratory results suggesting copper and zinc as potential pollutants of concern are consistent with the long history of results from the Authority's wet weather sampling program. Finally, the last of the 3 sites which contained a sufficient volume of ponded water to allow sampling had ponded water on all three occasions that the site was monitor (twice in accordance with the program schedule and once as a follow-up to the results of earlier sampling). Water samples collected from this third site suggested that ammonia may be a pollutant of concern, although a series of both field and laboratory analysis have produced inconsistent results over time. Trash and debris may be the cause of the ammonia and future dry weather monitoring will watch the issue closely.

Chapter 11 of this Annual Report states that the results of the "compliance sampling element" of the wet weather monitoring program performed at SDIA during the FY06-07 wet season were consistent with the historical trends. Results from the compliance sampling element were compared to the USEPA Multi-Sector General Permit (for industrial activity) benchmarks. The median concentrations calculated for the compliance sampling POCs were compared to the benchmarks to determine the number of exceedances that occurred. Ammonia, oil and grease, total iron, total lead, and ethylene glycol did not exceed the benchmarks. BOD, COD, total aluminum, total copper, total zinc, dissolved copper, and dissolved zinc exceeded the benchmarks in over 60% of the samples. The remaining POCs exceeded the benchmarks in less than 60% of the samples. The analytical data also showed that one or more of the benchmark exceedances occurred at every sample location.

As previously state, the Authority now has a new stormwater Sampling Plan, prepared by MACTEC and dated November 2005, that addresses the runoff sampling requirements of the General Industrial Storm Water Permit and provides an indication of discharge quality. MACTEC evaluated the quality of the existing historic stormwater sampling data set and recommended a sampling program that provides representative sample locations and a sufficient amount of data to provide adequate statistical power in evaluating long-term program effectiveness. Development of the Sampling Plan also included consideration of the variability in annual precipitation patterns at the airport and the impact of such variability on program implementation

and on the assessment of long-term program effectiveness. Although completed in November of 2005, FY06-07 was the first season in which the wet weather monitoring was conducted in accordance with the Sampling Plan. Over time, data collected in accordance with this new sampling plan will allow the Authority to evaluate changes in discharge water quality, and perhaps, relate improved discharge water quality to improvements in the Authority's stormwater management program.

Level 6 - Changes in Receiving Water Quality

The ultimate objective of the Authority's stormwater management program is to protect the water quality of the water bodies receiving discharges from the Authority's MS4. That receiving water is San Diego Bay. Level 6 measures can be addressed through outcomes such as compliance with regulatory benchmarks, protection of biological integrity, and beneficial use attainment. The Authority has not conducted any receiving water quality monitoring independent of the Copermittee Receiving Water Monitoring Program, since neither of the two NPDES permits currently applicable to activities at SDIA requires that the Authority monitor receiving waters and/or benthic communities to detect the potential impacts of stormwater runoff. The Authority must rely on studies conducted by others to evaluate Framework Level 6 outcomes and attempt to establish relationships, if possible, between receiving water quality and specific program components of the Authority's stormwater management efforts.

The receiving water quality issues in the vicinity of the airport that have been studied or noted by others have generally resulted from the activity related to federal Clean Water Act (CWA) Section 303(d) requirements. The waters of San Diego Bay in the vicinity of the airport are currently on the 2002 CWA Section 303(d) list of water quality segments for 1) benthic community effects, 2) sediment toxicity, and 3) bacteria indicators. A 2006 CWA Section 303(d) list of water quality limited segments which was adopted by the State Water Resources Control Board in October of 2006, and approved by the Environmental Protection Agency in June of 2007, includes copper as a pollutant in the marinas along Harbor Island in the vicinity of the airport.



The RWQCB has been in the process of investigating the establishment of TMDLs for 19 of the 38 bacteria-impaired waterbodies in the San Diego region in a two part study (Project I and Project II). Project I looked at indicator bacteria in beaches and creeks in the San Diego region. Project II will look at bacteria-impaired shorelines in San Diego Bay and Dana Point Harbor. As in FY05-06, no technical reports were released in FY06-07 for Project II. The Authority will continue to track the progress of Project II.

In regards to the TMDL process for benthic community effects and sediment toxicity in the vicinity of the airport, the RWQCB did not release any new information during the FY06-07 reporting period. The most recent activity remains the release of the Final Report, in June of 2005, entitled "TMDL Sediment Quality Assessment Study at the B Street/ Broadway Piers, Downtown Anchorage, and Switzer Creek, San Diego, Phase II, Temporal Variability, Causes of Impacts, and Likely Sources of Contaminants of Concern." Without additional information or data, the Authority cannot draw any new inferences from this TMDL process to help measure the effectiveness of the Authority's stormwater management program in accordance with Level 6 of the Framework.

INTEGRATED EFFECTIVENESS ASSESSMENT An integrated assessment of the Authority's stormwater management program uses the results of the Framework's Program Implementation Assessment and Water Quality Assessment to draw general conclusions about overall effectiveness. Based on the information discussed for Framework Level 1 through 6 outcomes above, the management measures currently being implemented by the Authority are generally effective. The Authority has demonstrated compliance with the Level 1 activity-based permit requirements. The Authority continues to expand and evaluate education and outreach efforts. The number of tenants and Authority staff who have taken a pledge to help keep the airport clean, as discussed in the Level 2 assessment above, suggests that the awareness of tenants and staff appears to be on the rise. The Level 3, Level 4, and Level 5 outcome assessments above made extensive use of the site audits and the results of the FY06-07 wet and dry season stormwater monitoring information. The site audit information has used the baseline BMP implementation rates established by the first audit to draw some initial comparisons with the second audit performed in FY06-07. Both the audits and the stormwater sampling program have provided some insight into the POCs and their apparent loads

in stormwater runoff at the airport. The audit and sampling programs will allow the Authority to more accurately assess Level 3 and Level 4 outcomes in future years. The new stormwater Sampling plan, implemented fully for the first time in FY06-07, establishes a monitoring program that should prove more representative of runoff water quality at SDIA. The discharge water quality information collected in FY06-07 and discussed in the Level 5 assessment above noted that discharge water quality continues to match the historical trend of exceeding benchmarks for copper and zinc. The assessment at Framework Level 6 (changes to receiving water quality) remains a difficult and complex task, involving numerous assumptions about the relationship of runoff water quality from the airport on receiving water quality in San Diego Bay. Efforts by the Authority to refine the Level 6 assessment continue to rely on collaboration with regional monitoring due in part to the extensive resources required and longer timeframes generally required to collect sufficient monitoring data from which to draw conclusions. On the whole, the Authority's stormwater management program continues to be effective at preventing, minimizing, and/or eliminating impacts to the water quality of San Diego Bay.

The Authority continues to assemble information on those factors which appear to be key for assessing the stormwater management program and for recommending improvement to the program. As noted in the previous Annual Reports, the elements being assembled include:

Baseline compliance with permit requirements

Baseline awareness of program requirements

Pollutant source characterization - activities, pollutant types, required BMPs Baseline levels of behavior and BMP implementation

Load reduction estimates (based on activities, pollutant types, rainfall, etc.) Spatial and temporal monitoring data

The Authority has developed methods to assess program effectiveness in terms of Levels 1 through 5 of the Framework. As information is collected, the Authority will continue attempts to link implementation of the program directly to discharge water quality. The Authority has also developed procedures to identify pollutants, required BMPs, and the implementation rates for the required BMPs. Over time, the Authority intends to estimate the load reductions from BMP implementation and attempt to connect those estimates to the results of runoff monitoring. As BMP implementation rates



increase, it is expected that the pollutant loadings will decrease. It is the goal of the Authority's stormwater management program to prevent or eliminate impacts to the water quality of San Diego Bay.

MANAGEMENT MEASURES PROVEN TO BE INEFFECTIVE

The Annual Report for FY04-05 suggested that the Authority's education and outreach efforts may not have been adequate in reaching the tenants, although the report noted that "it would be premature to say that the education efforts are ineffective." Nonetheless, the Authority began to expand the education and outreach efforts directed at tenants during FY05-06 and continued those efforts in FY06-07. The information presented in the Framework Level 2 program effectiveness assessment above indicates that the education and outreach efforts now in place appear to be effective at reaching the tenants.

Taken on the whole, the information presented throughout this report indicates that the majority of the management measures currently being implemented by the Authority have proven to be effective. The Municipal Permit emphasizes an iterative process to improve both BMPs and stormwater management measures as a whole. As such, the Authority will continue to refine and employ the Framework and site audit methodologies discussed in this chapter to identify and enhance effective stormwater management measures and to discontinue those that prove ineffective.

WATER QUALITY IMPROVEMENT OR DEGRADATION

The discharge water quality information discussed above and in Chapter 11 of this report noted that discharge water quality continues to match historical trends and to exceed benchmarks for copper and zinc. The results of the wet weather monitoring program implemented in FY06-07 also suggest that BOD, COD, and to a lesser extent, total aluminum, may be potential POCs given the number of times sample concentrations exceeded the benchmarks. However, the concerns for BOD, COD, and total aluminum suggested by the FY06-07 data do not match historical trends for monitoring data from the airport. The results of the dry weather monitoring conducted in FY06-07 also appear to confirm copper and zinc as POCs and suggest that ammonia be closely evaluated at discreet airport locations. Continued implementation of the stormwater Sampling Plan, which was fully implemented for the first time in FY06-07, will lead to future evaluation and validation of discharge water quality at SDIA using trend analysis and other statistical methods.

PROPOSED PROGRAM CHANGES AND REVISIONS TO THE SWMP The SWMP was last revised in January of 2005. As noted at the end of Chapter 2 of this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.





13 Fiscal Analysis Component

The Municipal Permit requires the Authority to demonstrate sufficient financial resources to implement the SDIA SWMP. The fiscal analysis presented here includes the expenditures for FY06-07, the budget for FY07-08, the source of the funds, a description of the use of these funds, and any legal restrictions on the use of the funds.

STORM WATER MANAGEMENT PROGRAM ELEMENTS

The bulk of expenditures related to the implementation of the SWMP pass through the Environmental Affairs Department and the Facilities Maintenance Department. The Environmental Affairs Department is responsible for administrative functions within the Storm Water Management Program, including budget management and planning. The Environmental Affairs Department staff carries out the administrative and educational activities for the program, including: a) budgetary management and planning; b) enforcement and inspection; c) monitoring and reporting; d) interagency coordination and Copermittee involvement; e) assistance to other groups outside the department; f) internal and external training, workshops, and public events; and g) helping to secure the materials and equipment necessary to perform required tasks.

Table 13-1. Storm Water Management Program Expenditures for FY06-07

Description	Costs
A. Personnel Expenses	
1. Environmental Affairs Department	\$284,800
2. Facilities Maintenance Department	\$737,600
Subtotal	\$1,022,400
B. Non-Personnel Expenses	
1. NPDES Permit Fees	\$3,3 00
2. Professional Services	
a. Legal	\$0
b. Consulting	\$153,500
3. Routine Maintenance	\$17,000
4. Ramp Cleaning/Runway Rubber Removal	\$600,000
5. Landscape Maintenance	\$184,000
6. MS4/BMP Cleaning/Maintenance	\$258,000
7. Parking Lot and Street Sweeping	\$59,000
8. Hazardous Waste Disposal	\$47,000
9. Equipment Purchases	\$225,000
10. Education, Training, and Public Outreach	\$45,000
Subtotal	\$1,591,800
C. Capital Improvement Program Expenses	
1. General Dynamics Lot and Dust Mitigation Project (CIP #4022)	\$0
Subtotal	\$0
GRAND TOTAL	\$2,614,200

The Facilities Maintenance Department is responsible for the maintenance (O&M) aspects of the program, including: a) inspection and maintenance of the MS4; b) maintenance of facilities and grounds; c) securing the materials, equipment, and vehicles necessary to perform required tasks; and d) supporting the management of the Authority's wastes.

FISCAL-YEAR 2006-2007 EXPENDITURES

Financial resources for implementation of the SWMP are allocated into administration, education, O&M, and capital expenditures components. The annual costs for the activities under each of these components falls into one of the following expense categories: personnel, non-personnel, or Capital Improvement Program (CIP).

The total expenditures for implementation of the SWMP in FY06-07 was \$2,614,200. The expenses for FY06-07 are shown in Table 13-1 according to expense category. A total of \$1,022,400 was expended on staff time for the Environmental Affairs and Facilities Maintenance Departments to carry out the program. Staff time for the Environmental Affairs Department equated to \$284,800 and the staff time for the Facilities Maintenance Department equated to an allocation of \$737,600.

Non-personnel expenses represent permit fees and contracted services necessary to implement and maintain all the program activities listed in Table 13-1, including professional services, site and infrastructure cleaning and maintenance, training, and education and public outreach efforts. Total expenditures for Non-Personnel items during FY06-07 were \$1,591,800.

In FY06-07, the Authority budgeted funds to one CIP project related to the stormwater management program, namely, CIP Project #4022 "General Dynamics Lot and Dust Mitigation Project." However, no funds were expended on this CIP project during FY06-07.



FISCAL-YEAR 2007-2008 BUDGET

Table 13-2 presents the SWMP implementation budget of \$2,981,000 for FY07-08. A total of \$1,060,000 is allocated for the combined staff time of the Environmental Affairs Department and the Facilities Maintenance Department.

A total of \$1,685,000 is allocated for Non-Personnel expenses in FY07-08, including professional services, site and infrastructure cleaning and maintenance, training, and education and public outreach efforts.

The remainder of the FY06-07 budget, \$146,000, is represented by 2 CIP Projects: a) CIP Project #4022 General Dynamics Lot and Dust Mitigation; and b) CIP Project #4057 Stormwater Management Pilot Project.

REVISIONS TO THE SWMP

There are no revisions to the Fiscal Analysis Component of the SWMP. As noted elsewhere throughout this report, the Authority has intended to revise the SWMP since the last Annual Report, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.



Table 13-2. Storm Water Management Program Budget for FY07-08

Description	Budget
A. Personnel Expenses	
1. Environmental Affairs Department	\$295,000
2. Facilities Maintenance Department	\$765,000
Subtotal	\$1,060,000
B. Non-Personnel Expenses	
1. NPDES Permit Fees	\$35,000
2. Professional Services	
a. Legal	\$25,000
b. Consulting	\$350,000
3. Routine Maintenance	\$25,000
4. Ramp Cleaning/Runway Rubber Removal	\$580,000
5. Landscape Maintenance	\$215,000
6. MS4/BMP Cleaning/Maintenance	\$250,000
7. Parking Lot and Street Sweeping	\$65,000
8. Hazardous Waste Disposal	\$75,000
9. Equipment Purchases	\$50,000
10. Education, Training, and Public Outreach	\$50,000
Subtotal	\$1,685,000
C. Capital Improvement Program Expenses	
1. General Dynamics Lot and Dust Mitigation Project (CIP #4022)	\$120,000
2. Stormwater Management Pilot Project (CIP #4057	\$26,000
Subtotal	\$146,000
GRAND TOTAL	\$2,981,000

Storm Water Management Plan - Municipal Stormwater Permit





14 Conclusions and Recommendations

The FY06-07 Annul Report summarizes the Authority's efforts to manage stormwater at SDIA in compliance with the San Diego Municipal Permit. Based upon this Annual Report and the Annual Reports for FY03-04, FY04-05, and FY05-06, the Authority believes the stormwater management program at SDIA is adequately planned, executed, reviewed, and funded. This chapter summarizes information to support a determnation that the Authority stormwater management program fulfills the requirements of the Municipal Permit. Also highlighted herein are any recommendations for program improvements that may further enhance stormwater pollution prevention and control measures at SDIA.

Conclusions about the Authority's stormwater management program are presented in 4 basic categories: 1) overall program compliance status; 2) effective stormwater management program components; 3) program elements identified for improvement; and 4) revisions to the SDIA SWMP.

CONCLUSIONS

1. Overall Program Compliance Status

Information presented throughout this report, particularly Chapter 12 (Assessment of Program Effectiveness), supports a determination that the Authority's stormwater management efforts are in general compliance with the Municipal Permit.

2. Effective Stormwater Management Program Components

Based on the results of current program implementation and the findings of the FY06-07 effectiveness assessment in Chapter 12, the management measures currently being implemented have proven to be effective.

3. Program Elements Identified for Improvement

Again, the majority of the management measures currently being implemented by the Authority have proven to be effective. The assessment of program effectiveness in Chapter 12 did not identify any particular stormwater management program elements in need of improvement.

4. Revisions to the SDIA SWMP

As noted several times throughout this report, the Authority has intended to revise the SWMP using the output from the Storm Drainage System BMP Project, but was awaiting the adoption of the new Municipal Permit before making any revisions in order to simultaneously incorporate the output of the Storm Drainage System BMP Project and any changes required by the new permit. The recent adoption of both the new Municipal Permit and the first amendment to the permit have extended the deadline for submitting a revised SWMP to March 24, 2008. As such, changes to the SWMP, including updates to any component category inventories, will appear in the revised plan currently being prepared in response to the re-issued Municipal Permit and scheduled for submittal to the RWQCB in March of 2008.

RECOMMENDATIONS

Aside from the general recommendation to continue effective and cost-efficient implementation of existing stormwater management efforts, there are no specific recommendations at this time. Following the recommendations of previous Annual Reports, the Authority continues to review and expand upon effective education and outreach efforts for staff and tenants as a means raising general awarenss of stormwater concerns and of achieving improved BMP implementation rates. Information provided in this report indicates that current education and outreach efforts are effective. Successful education efforts should lead to improved BMP implementation.



CLOSING

The FY06-07 Annual Report clearly demonstrates that the stormwater management program at SDIA is adequately planned, executed, reviewed, and funded. The program generally fulfills the requirements of the Municipal Permit. The Authority strives to enhance existing stormwater pollution prevention and control measures at SDIA, to eliminate ineffective measures, and to identify, develop, and incorporate more effective measures whenever possible. Potential stormwater impacts are just one characteristic of the airport's "environmental footprint" that the Authority aims to minimize.

Storm Water Management Plan - Municipal Stormwater Permit





Appendix A

FY06-07 Dry Weather

Monitoring Data Sheets

torm Water Management Plan - Municipal Stormwater Permit	



San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

					9	Datash			
		X Routine Inve	stigation		IC/ID Foll	ow-Up Fo	r		
GENERAL	L SITE DESCR	RIPTION		(NAD	83 decimal degrees to	-			
Site ID	C-B01-1			Latitude	32.7318		Hydrologic	Unit	908
Location	Grated inlet inside zipper line, south of Jim's			Longitudo	-117.1774	Watershed			
Location	Air, north of runway 9/27			Longitude	-11/.1//4	she	Hydrologic		908.2
Date	07/13/06	7/13/06			1288 H1		Hydrologic (Optional)	Subarea	908.21
Time	8:03am			Observer	RS, MF, JH		charge Area otional)		
Land Use (Check one		Residentia	l Com	nmercial x I	ndustrial Ag	ricultural	Parks	0	pen
	(Secondary) greater than 10%	Residentia	l Com	nmercial I	ndustrial Ag	ricultural	Parks	Open	x None
Conveyand (Check one		Manhole	x Catch	Basin Oı	ıtlet Concre Channel			arthen annel	Curb/Gutte
ATMOSPI	HERIC CONDI	ITIONS							
Weather	x Sunny	Partly Cloudy	y Ove	rcast Fog	a seas deconsidered for them have been season.				
Tide	x N/A	Low		ming High	THE STREET STREET	going	Tide Height	ft.	
Last Rain	x > 72 hours	< 72 hours							
Rainfall	x None	< 0.1"	> 0.1	l"					
RUNOFF	CHARACTER	ISTICS		The training and the second					
	,								
Odor	None	Musty		ten Eggs	Chemical	Se	wage	X Othe	n NA
Clorita	None	Yellow	Bro	***************************************	White	Gr	ay	X Othe	NA.
Clarity Floatables	Clear X None	T 1		ghtly Cloudy	Opaque				
r ivatables			·		**************************************			X Other	
Danocite		Trash		bles/Foam	Sheen		cal Matter	Other	
	None	X Sediment/Gravel	Fine	e Particulates	Sheen Stains		cal Matter y Deposits	Other Other	
Vegetation	None X None	X Sediment/Gravel Limited	Fine Nor	e Particulates	Sheen Stains Excessive	Oil	y Deposits	Other Other Other	
Vegetation Biology	None X None X None	X Sediment/Gravel Limited	Fine Nor	e Particulates	Sheen Stains Excessive			Other Other	
Vegetation Biology Water Flov	None X None X None Y Flow	X Sediment/Gravel Limited Insects Al ving Ponded	Find Nor gae F X Dry	e Particulates mal fish Snails Tidal	Sheen Stains Excessive Mussels/	Oil Insect/	y Deposits Insect/	Other Other Other	
Vegetation Biology Water Flov	None X None X None Y Flow	X Sediment/Gravel Limited Insects Al	Find Nor gae F X Dry	e Particulates mal fish Snails Tidal	Sheen Stains Excessive Mussels/	Oil Insect/ Algae	y Deposits Insect/	Other Other Other	
Vegetation Biology Water Flow Does the st	None X None X None Y Flow	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv	Find Nor gae F X Dry ing Water	e Particulates mal fish Snails Tidal	Sheen Stains Excessive Mussels/ Barnacles Yes	Oil Insect/ Algae	y Deposits Insect/ Snail	Other Other Other	
Vegetation Biology Water Flow Does the st Evidence o	None X None X None Flow orm drain flow f Overland Flow	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv	Find Nor gae F X Dry ing Water X No	e Particulates mal ish Snails Tidal	Sheen Stains Excessive Mussels/ Barnacles Yes	Oil Insect/ Algae	y Deposits Insect/ Snail	Other Other Other	
Vegetation Biology Water Flow Does the st Evidence o Photo Take	None X None X None Y Flow orm drain flow f Overland Flow en x Yes	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv w? Yes No Pho	Find Nor gae F X Dry ing Water X No to #	e Particulates mal ish Snails Tidal	Sheen Stains Excessive Mussels/ Barnacles Yes	Oil Insect/ Algae	y Deposits Insect/ Snail	Other Other Other	
Vegetation Biology Water Flow Does the st Evidence o Photo Take	None X None X None Flow orm drain flow orm x Yes ing Samples Co	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv w? Yes No Pho	Find Nor gae F X Dry ing Water X No to #	e Particulates rmal Fish Snails Tidal Trigation	Sheen Stains Excessive S Mussels/ Barnacles Yes Runoff Othe	Oil Insect/ Algae	y Deposits Insect/ Snail N/A	Other Other Other	
Vegetation Biology Water Flow Does the st Evidence of Photo Take Sield Screen Water Temp	None X None X None Flow orm drain flow orm x Yes ing Samples Co	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv w? Yes No Photological Properties Ollected? Yes	Fine Nor gae F X Dry ing Water X No to # X No	e Particulates rmal Fish Snails Tidal -? Irrigation	Sheen Stains Excessive Mussels/ Barnacles Yes	Oil Insect/ Algae	y Deposits Insect/ Snail N/A Ortho-PO	Other Other Other	
Vegetation Biology Water Flow Does the st Evidence o Photo Take Cield Screen Water Temp PH (pH units)	None X None X None Flow orm drain flow orm x Yes ing Samples Co	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv w? Yes No Photological Yes NH3-N (no TURB (No No Photological Photolo	Find Nor gae F X Dry ing Water X No to # X No	e Particulates rmal Fish Snails Tidal -? Irrigation	Sheen Stains Excessive Mussels/ Barnacles Yes Runoff Othe	Oil Insect/ Algae	y Deposits Insect/ Snail N/A	Other Other Other Other	
Water Flow Does the st Evidence of Photo Take Tield Screen Water Temporal (pH units) Analytical	None X None X None Y Flow orm drain flow f Overland Flow en x Yes ing Samples Co	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv w? Yes No Pho ollected? Yes NH3-N (n TURB (N	Find Nor gae F X Dry ing Water X No to # X No mg/L) TrU Yes X	e Particulates rmal Fish Snails Tidal -? Irrigation	Sheen Stains Excessive Mussels/ Barnacles Yes Runoff Othe NO3-N (mg/L) COND (mS/cm)	Oil Insect/ Algae	y Deposits Insect/ Snail N/A Ortho-PC Reactive MBAS (n	Other Other Other Other	
Vegetation Biology Water Flow Does the st Evidence o Photo Take ield Screen Water Temp pH (pH units) Analytical FLOW EST	None X None X None Y Flow orm drain flow f Overland Flow en x Yes ing Samples Co	X Sediment/Gravel Limited Insects Al ving Ponded v reach the Receiv w? Yes No Photo ollected? Yes NH3-N (n) TURB (N) follected? ORKSHEETS Culvert	Fine Nor Nor gae F X Dry ing Water X No to # X No mg/L) TTU Yes X Filling	e Particulates rmal Fish Snails Tidal -? Irrigation	Sheen Stains Excessive Mussels/ Barnacles Yes Runoff Othe NO3-N (mg/L) COND (mS/cm)	Oil Insect/ Algae No X	y Deposits Insect/ Snail N/A Ortho-PC Reactive MBAS (r	Other Other Other Other	
Vegetation Biology Water Flow Does the st Evidence o Photo Take ield Screen Water Temp PH (pH units) Analytical FLOW EST Flowing Width	None X None X None Y Flow orm drain flow f Overland Flow en x Yes ing Samples Co	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv w? Yes No Photo collected? Yes NH3-N (n TURB (N Collected? CORKSHEETS Culvert ft V	Find Nor gae F X Dry ing Water X No to # X No mg/L) TrU Yes X	e Particulates rmal Fish Snails Tidal -? Irrigation	Sheen Stains Excessive Mussels/ Barnacles Yes Runoff Othe NO3-N (mg/L) COND (mS/cm)	Oil Insect/ Algae No X	y Deposits Insect/ Snail N/A Ortho-PO Reactive MBAS (r	Other Other Other Other	ft
Vegetation Biology Water Flow Does the st Evidence o Photo Take ield Screen Water Temp pH (pH units) Analytical FLOW EST	None X None X None Y Flow orm drain flow f Overland Flow en x Yes ing Samples Co	X Sediment/Gravel Limited Insects Al ving Ponded reach the Receiv w? Yes No Phoro collected? Yes NH3-N (n TURB (N collected? Collected? Collected? Collected? Collected Time	Find Nor Space F X Dry ing Water X No to # X No mg/L)	e Particulates rmal Fish Snails Tidal -? Irrigation	Sheen Stains Excessive S Mussels/ Barnacles Yes Runoff Othe NO3-N (mg/L) COND (mS/cm) Cnown Volume mL	Oil Insect/ Algae No X er:	y Deposits Insect/ Snail N/A Ortho-PC Reactive MBAS (r	Other Other Other Other	

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: Site is dry.

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

		X Routine In	vestigation		IC/ID Fol	llow-Up Fo)r		
GENERA	L SITE DESCR	IPTION		(NAD	83 decimal degrees	to 5th place)			
Site ID	C-B03-2			Latitude	32.72863		Hydrologic U	U nit	908
Location	Grated inlet insiderunway 9/27, dire			Longitude	-117.17840	Watershed	Hydrologic A	Area	908.2
Date	07/13/06		TB Page	1288 J1	red	Hydrologic S (Optional)	Subarea	908.21	
Time	7:55am				MF, RS, JH		scharge Area ptional)		
Land Use (Check one	(Primary) e only)	Residen	tial Co	mmercial x	Industrial A	gricultural	Parks	Or	oen
(Optional,	(Secondary) greater than 10%) Residen	tial Co	mmercial	Industrial A	gricultural	Parks	Open	x None
Conveyan (Check one		Manhol	e x Catch	Basin O	utlet Concr Channel		Natural Ea Creek Cha	arthen nnel	Curb/Gu
ATMOSP	HERIC CONDI	TIONS	-						
Weather	Sunny	X Partly Clo	udy Ove	ercast Fog	·				
Tide	N/A	Low		oming Hig	III TOTO TOTO LOCALISTICA CONTRACTOR CONTRAC	tgoing	Tide Height:	_1 1 ft	
ast Rain	X > 72hours	< 72 hours		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ii Ou	igomg	Tide Height.	-1.1 16.	
Rainfall	X None	< 0.1"	> 0	122					
	CHARACTERI		>0	. 1					
Odor	None	Musty	Ro	otten Eggs	Chemical	Se	ewage	X Other	Salty
Color	X None	Yellow	***************************************	own	White	***************************************	гау	Other	Dairy
Clarity	X Clear	***************************************		ghtly Cloudy	Opaque	<u> </u>	145	Other	
loatables	None	Trash		ibbles/Foam	X Sheen (dus	ty) Fe	ecal Matter	Other	
Deposits	X None	Sediment/Gra	***************************************	ne Particulates	Stains	***************************************	ily Deposits		Hillman I rest resident
egetation		Limited	***************************************	ormal	Excessive	U	ity Deposits	Other	
Biology	X None		~~~~~~	Fish Snail		Insect/ Algae	Insect/ Snail	Other Other	Address of the State of the Sta
Water Flo	w Flow	ing X Pond	ed Dry	X Tidal		THEUC	Jiun	**************************************	Marie
Does the st	orm drain flow		The state of the s		Yes	No x	N/A		
	of Overland Flow		es X No	Irrigation	***************************************	***************************************			
Photo Tak	en x Yes	No P	hoto #					AMERICAN PROPERTY AND ASSESSMENT OF THE PROPERTY ASSESSM	
eld Screen	ning Samples Co	llected? X Y	es No						
Vater Tem			I (mg/L) N	Γ	NO3-N (mg/L)	NT	Ortho-PC). / # >	NT
H (pH units)	<u> </u>	TURE			COND (mS/cm)	53,142	Reactive-		NT
1			(110)	·	COTTD (III3/CIII)	1 33,142	MBAS (m		NT
	Lab Samples Co	ollected?	Yes	x No			MDAS (III	ig/L)	[1N1
nalytical		ORKSHEETS	T72112	o o Doddle - T	7				
LOW ES		'ulvort	riiin	g a bottle or b	Known Volume			wing Pipe	
LOW ES	TIMATION WO								
LOW ES Flowing Vidth		ft	Volume		mL		Diameter		ft
LOW ES Flowing Vidth Depth		ft ft	Volume Time to Fil	I	sec		Depth		ft
LOW ES Flowing Vidth		ft	Volume	I I					

Revised 4/20/2004. 4/15/2005. 4/19/2006

San Diego Stormwater Copermittees Dry Weather Monitoring Field Datasheet

			IC/	ID Follow-	Up Foi	-						
GENERA	L SITE DESCR	APTION		······································	(NAI	9 83 decimal o	degrees to 5th	place)				
Site ID	C-B05-3 Grated inlet southeast of SwissPort operations				Latitude	32.7338	32.73389		Hydrol	ogic Unit	٥	908
Location	Grated inlet sout area, north of ru		wissPort opera	tions	Longitude	-117.18294			Hydrologic Unit Hydrologic Area Hydrologic Subarea			908.2
Date	07/13/06	07/13/06				1268 H	7	T &	Hydrole (Optional	ogic Subarea	a ç	908.21
Time	8:10am				Observer	MF, RS	, ЈН		charge Ai	L		
Land Use (Check one		Re	esidential	Com	mercial x	Industrial	Agricu		Parks		Ope	n
(Optional,	(Secondary) greater than 10%	(c) Re	esidential	Com	mercial	Industrial	Agricu	ltural	Parks	Open	х	None
Conveyand (Check one		М	Ianhole x	Catch 1	Basin (nirier	Concrete hannel		Natural eek	Earthen Channel	n vi i i i i i i i i i i i i i i i i i i	Curb/Gutte
ATMOSP	HERIC COND	ITIONS	· · · · · · · · · · · · · · · · · · ·									
Weather	Sunny	X Part	ly Cloudy	Over	cast Fo	σ						
Tide	x N/A	Low		Inco		T	Outgoin	a	Tide He	eight:	ft	
Last Rain	x > 72 hours		hours		mng 111	511	Outgoin	<u> </u>	1 IUC 11C	ignt	_1t.	Proceedings (1915) 1-10-1
Rainfall	x None	< 0.		> 0.1	**							
***************************************	CHARACTER		1	/ 0.1	estructurenten ere cucas.							
Odor	None	Musty		Pot	ten Eggs	Cher	mical	Car	***	ХО	ıthan	NT A
Color	None	Yellov		Bro		Whit			wage	XO		NA
Clarity	Clear	101101	Y		htly Cloudy	***************************************	***************************************	Gra	1 <u>y</u>	XO		NA NA
Floatables		X Trash	and the second s		bles/Foam	Opac Shee		Г.	al Matter	·····	***************************************	NA
Deposits	None		ent/Gravel		Particulates						ther	
Vegetation		Limite		Nor		~~~~	***************************************	Oil	y Deposit		ther	PROFESSION STATE S
Biology	X None					***************************************	ssive	······································			ther	
Diology	A None	Insects	s Algae	r	ish Sna	iis Mus Barna		Insect/ gae	Ins Snail		ther	
Water Flo	w Flov	ving	Ponded	X Dry	Tidal			MH)				
Does the st	torm drain flow	reach th	e Receiving	Water	?	Yes	N	o X	N/A			
Evidence o	of Overland Flo	w?	Yes	X No	Irrigation	n Runoff	Other: _					
Photo Tak	en x Yes	No	Photo #			THE RESIDENCE OF THE PROPERTY OF THE PARTY O			4 (15) handadaandaan gaag y geg pyy FE y FF a See	TOTO CONTRACTOR OF THE CONTRAC		
Field Screen	ning Samples Co	ollected?	Yes	X No				***				
Water Tem			NH3-N (mg/L)			NO3-N (m	ng/L)		Ortl	no-PO ₄ (mg/L)		
pH (pH units)			TURB (NTU)			COND (n				ctive-P (mg/L)		
Analytical	Lab Samples C	ollected?	Υϵ	es X	. No		· · · · · · · · · · · · · · · · · · ·			AS (mg/L)		
	TIMATION W											
	Creek or Box	1			a Bottle or	Known Vo	lume			Flowing I	Pipe	
Width		ft	Volui				mL		Diameter		1	ft
Depth		ft		to Fill			sec		Depth		1	ft
Velocity		ft/sec	Flow				gpm		Velocity			ft/sec
Flow	Dry	gpm						I	Flow		T ,	gpm

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: A rope was hanging from the grate, connected to a sediment monitor.

			ather Monit	oring racid De	ıtasıı		·	
		X Routine Investigation	on	IC/ID Follow-	U p For			
GENERAL	L SITE DESCR	IPTION	(NAD	83 decimal degrees to 5th	olace)			
Site ID	C-B05-4		Latitude	32.73063		Hydrologic	Unit	908
Location		de of zipper line, south of rth of generator yard	Longitude	-117.18298	Watershed	Hydrologic A	Area	908.2
Date	07/13/06		TB Page	1288 G1	T &	Hydrologic (Optional)	Subarea	908.21
Time	7:50am		Observer	RS, MF, JH		charge Area		I
Land Use (Check one		Residential (Commercial x I	ndustrial Agricul		Parks	0	pen
	(Secondary) greater than 10%	Residential (Commercial 1	ndustrial Agricul	tural	Parks	Open	x None
Conveyand (Check one		Manhole x Cat	tch Basin Ou	ıtlet Concrete Channel			arthen innel	Curb/Gutte
ATMOSPI	HERIC CONDI	TIONS						
Weather	Sunny	x Partly Cloudy (Overcast Fog	ANTO ALLEGATION OF THE PROPERTY WAS				
Tide	N/A		ncoming High	***************************************	2	Tide Height:	: -1.1 ft.	
Last Rain	x > 72 hours	< 72 hours			2			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Rainfall	x None	< 0.1"	→ 0.1"					
	CHARACTERI							
Odor	None		Rotten Eggs	Chemical	Sev	vage	X Othe	
Clasit	None		Brown	White	Gra	y	X Othe	
Clarity	Clear	Control of the Contro	Slightly Cloudy	Opaque	·	**************************************	X Othe	
Floatables	X None		Bubbles/Foam	Sheen		al Matter	Othe	
Deposits Vegetation			Fine Particulates	Stains	Oil	y Deposits	Othe	
Biology	X None X None		Normal	Excessive			Other	
		Insects Algae	Fish Snail	s Mussels/ I Barnacles Alg	nsect/ gae	Insect/ Snail	Other	
Water Flor			Ory x Tidal		171147AF4F444444444444444	TO THE	•	
I JAAC THA CT								
Does the st	orm uram now	reach the Receiving Wa	ater:	Yes No	<u> X</u>	N/A		
	f Overland Flow			The state of the s) X	N/A		
Evidence o	f Overland Flov	**************************************		The state of the s) X	N/A	And the second s	
Evidence o Photo Take	f Overland Flov	w? Yes X N No Photo#_	No Irrigation	The state of the s) X	N/A		
Evidence o Photo Take Sield Screen	f Overland Flowen x Yes ing Samples Co	w? Yes X N No Photo#_	No Irrigation	Runoff Other: _) X	The control of the co)4 (mg/L)	
Evidence o Photo Take Sield Screen Water Tem	en x Yes ing Samples Co	w? Yes X N No Photo #	No Irrigation	The state of the s) X	Ortho-PC		
Photo Take Yield Screen Water Tem pH (pH units)	en x Yes ing Samples Co	w? Yes X N No Photo # bllected? Yes X I NH3-N (mg/L) TURB (NTU)	No Irrigation	Runoff Other:) X	Ortho-PC	-P (mg/L)	
Photo Take Tield Screen Water Tem pH (pH units) Analytical FLOW EST	ing Samples Co	w? Yes X N No Photo # ollected? Yes X I NH3-N (mg/L) TURB (NTU) ollected? Yes ORKSHEETS	No Irrigation No X No	Runoff Other:) X	Ortho-PO Reactive MBAS (n	-P (mg/L) ng/L)	
Photo Take Tield Screen Water Tem pH (pH units) Analytical FLOW EST	en x Yes ing Samples Co	No Photo #	No Irrigation	Runoff Other:		Ortho-PO Reactive MBAS (n	-P (mg/L)	
Evidence of Photo Take Field Screen Water Tempy (pH units) Analytical FLOW EST Flowing	ing Samples Co	No	No X No ling a Bottle or F	Runoff Other:		Ortho-PO Reactive MBAS (n	-P (mg/L) ng/L)	ft
Evidence of Photo Take Field Screen Water Tempy H (pH units) Analytical FLOW EST Flowing Width	ing Samples Co	Yes X No Photo #	No X No ling a Bottle or F	Runoff Other: NO3-N (mg/L) COND (mS/cm) Known Volume mL		Ortho-PO Reactive MBAS (n	-P (mg/L) ng/L)	

COMMENTS: Some very shallow pools of water in sediment. No flow observed. Sediment layer is too deep to take a sample with a water

Revised 4/20/2004. 4/15/2005. 4/19/2006

pump.

Site ID C-806-5			X Routine	Investigation		IC/ID Eat	low Us Es	\ T*		
	GENERAL	SITE DESCR		in vestigation	(MAD)		_)r	····	
Date O7/13/06			шион							1
State Stat	Site ID				Latitude	32.73581	W _a	Hydrologi	c Unit	908
Secondary Residential Commercial X Industrial Agricultural Parks Open X None Concrete Check one only Residential Commercial X Industrial Agricultural Parks Open X None Concrete Check one only Residential Commercial Industrial Agricultural Parks Open X None Concrete Channel Creek Channel Carek Channel Care	Location	Grated inlet sou	theast of cor	ntrol tower	Longitude	-117.18632	tersl	Hydrologi	c Area	908.2
Time	Date	07/13/06			TB Page	1268 G7	red	Hydrologi (Optional)	c Subarea	908.21
Check one only	Time	8:15am			Observer	RS, MF, JH		scharge Area		
Conveyance Con			Resid	ential Con	nmercial x I	ndustrial A			C	pen
ATMOSPHERIC CONDITIONS Weather Sunny X Partly Cloudy Overcast Fog Tide N/A Low x Incoming High Outgoing Tide Height: -0.5 ft. Last Rain x > 72 hours < 72 hours < 72 hours < 72 hours < 70 hours on the standard of the stan	(Optional, g	greater than 10%) Resid	ential Com	nmercial I	ndustrial A	gricultural	Parks	Open	x None
Mather Sunny X Partly Cloudy Overcast Fog Tide N/A Low x Incoming High Outgoing Tide Height: -0.5 ft.			Manh	ole x Catch	Basin Ou					Curb/Gut
Tide	ATMOSPI	ERIC CONDI	TIONS							
Tide	Weather	Sunnv	X Partly C	loudy Over	reast Fog	and the same of th				
Rain						Out	toning	Tide Heiel	nt0 5 ft	
Rainfall x None	Last Rain		***************************************		ing Ingi	Out	going	ride meigi	It: -0.5 It.	
Note	Rainfall	x None	******************************		.,,					
Color X None Yellow Brown White Gray Other Clarity X Clear Slightly Cloudy Opaque Other Floatables X None Trash Bubbles/Foam Sheen Fecal Matter Other Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Other Wegetation x None Limited Normal Excessive Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Insect/ Other Biology x None Flowing X Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No Irrigation Runoff Other: Photo Taken x Yes No Photo # Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Insect/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insec	RUNOFF (CHARACTERI	STICS	7777 1997 1997 1997 1997 1997 1997 1997	ACCUMACY CONTROL OF THE STATE O					
Color X None Yellow Brown White Gray Other Clarity X Clear Slightly Cloudy Opaque Other Floatables X None Trash Bubbles/Foam Sheen Fecal Matter Other Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Other Vegetation x None Limited Normal Excessive Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Barnacles Algae Snail Water Flow Flowing X Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo # Ield Screening Samples Collected? Yes x No Water Temp (©) NT NH3-N (mg/L) NT NO3-N (mg/L) NT Ortho-PO4 (mg/L) NT pH (pH units) NT TURB (NTU) NT COND (mS/cm) 32,342 Reactive-P (mg/L) NA Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width A GRADE STIME TO THE COUNTY OF THE COU	Odor	X None	Musty	Rot	ten Eggs	Chemical	Se	Wage	Otha	.
Clarity X Clear Slightly Cloudy Opaque Other Floatables X None Trash Bubbles/Foam Sheen Fecal Matter Other Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Other Vegetation x None Limited Normal Excessive Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Biology x None Insects Algae Fish Snails Mussels/ Insect/ Other Barnacles Algae Snail Water Flow Flowing X Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo# Water Temp (*C) NT NH3-N (mg/L) NT NO3-N (mg/L) NT Ortho-POa (mg/L) NT OPH (pH units) NT TURB (NTU) NT COND (mS/cm) 32,342 Reactive-P (mg/L) NT MBAS (mg/L) NT M	Color	X None			THE PROPERTY AND ADDRESS OF THE PROPERTY OF TH	***************************************	······································			***************************************
Bubbles/Foam Sheen Fecal Matter Other		X Clear	MATTER STATE OF THE STATE OF TH	Slig	tly Cloudy					
Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Other					bles/Foam	······································	Fe	cal Matter	·	
Vegetation x None Limited Normal Excessive Other		*****		ravel Fine	e Particulates	Stains	Oi	ly Deposits		
Water Flow Flowing X Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo #			***************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Excessive		The second secon	***************************************	*******************************
Water Flow Flowing X Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo # Water Temp (°C) NT NH3-N (mg/L) NT NO3-N (mg/L) NT Ortho-PO4 (mg/L) NT DH (pH units) NT TURB (NTU) NT COND (mS/cm) 32,342 Reactive-P (mg/L) NA MBAS (mg/L) NT Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Width ft Time to Fill sec Depth ft Velocity ft/sec	Biology	x None	Insects	Algae F	ish Snails				/ Othe	Ť
Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo # ield Screening Samples Collected?	Water Flow	v Flowi	ing X Por	nded Dry	x Tidal		7 11 <u>5 4 </u>	Silan		THE STATE OF THE S
Photo Taken x Yes No Photo #	Does the sto	orm drain flow	reach the Re	eceiving Water	?	Yes	No x	N/A		
Photo Taken x Yes No Photo # ield Screening Samples Collected? Yes x No Water Temp (°C) NT					**************************************		***************************************			
Value Temp (°C) NT NH3-N (mg/L) NT NO3-N (mg/L) NT Ortho-PO4 (mg/L) NT	********************************		***************************************		urigation .	Kunom Oth	er:			
Water Temp (°C) NT NH3-N (mg/L) NT NO3-N (mg/L) NT Ortho-PO4 (mg/L) NT pH (pH units) NT TURB (NTU) NT COND (mS/cm) 32,342 Reactive-P (mg/L) NA MBAS (mg/L) NT Analytical Lab Samples Collected? Yes x No x No MBAS (mg/L) NT FLOW ESTIMATION WORKSHEETS Filling a Bottle or Known Volume Flowing Pipe Flowing Pipe Width ft Volume mL Diameter ft Depth ft Flow pgm Velocity Velocity ft/sec	'hoto Take	en x Yes	No	Photo #		The same of the sa				
Water Temp (°C) NT NH3-N (mg/L) NT NO3-N (mg/L) NT Ortho-PO4 (mg/L) NT pH (pH units) NT TURB (NTU) NT COND (mS/cm) 32,342 Reactive-P (mg/L) NA MBAS (mg/L) NT Analytical Lab Samples Collected? Yes x No x No MBAS (mg/L) NT FLOW ESTIMATION WORKSHEETS	eld Screen	ing Samples Col	llected?	Yes x No						
PH (pH units)						NO3-N (mg/L)	NT	Ortho-I	PO. (ma/L)	NT
Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Volume mL Depth ft Time to Fill sec Depth ft Flow gpm Velocity Flow ft/sec	H (pH units)	NT								
Flowing Creek or Box Culvert Width ft Depth ft Velocity ft/sec Filling a Bottle or Known Volume Flowing Pipe Volume mL Time to Fill sec Flow gpm Flowing Pipe Flowing Pipe Diameter ft Depth ft Velocity Velocity ft/sec	Analytical l	Lab Samples Co	llected?	Yes x			1			
Width ft Volume mL Diameter ft Depth ft Time to Fill sec Depth ft Velocity ft/sec Flow gpm Velocity tf/sec				S						
		Creek or Box C			a Bottle or K	nown Volume		I	lowing Pipe	;
Velocity ft/sec Flow gpm Velocity ft/sec						mL		Diameter		
Spin VCIOCILY 11/Sec	7 ~~4h	1	1 # 1	Time to Fill	1	1	1 1	-		
Flow tidal gpm Flow gpm						sec				ft

COMMENTS: Ponded water in inlet, upstream pipe had no flow, water is ponded in upstream pipe. High conductivity indicates seawater.

		X Routine Investigatio	n	IC/ID Follow-	Up For			
GENERAL	L SITE DESCR	RIPTION	(NAD	83 decimal degrees to 5th	-			
Site ID	C-B07-6		Latitude	32.73083		Hydrologic	Unit	908
Location		outh end of ASIG, near wash	Longitude	-117.19304	Watershed	Hydrologic		908.2
D-4-	rack				shec	Hydrologic		
Date	07/13/06		TB Page	1288 F1		(Optional)	Subarea	908.21
Time	9:38am		Observer	RS, MF, JH		charge Area tional)		
Land Use (Check one		Residential C	ommercial x I	ndustrial Agricu		Parks	O	pen
(Optional,	(Secondary) greater than 10%	%) Residential C	ommercial]	Industrial Agricu	ltural	Parks	Open	x None
Conveyand (Check one		Manhole x Cat	ch Basin O	utlet Concrete Channel			Earthen annel	Curb/Gut
ATMOSP	HERIC COND	ITIONS						
Weather	x Sunny	Partly Cloudy O	vercast Fog	THE PROPERTY OF LIBERTAL AND ADDRESS.				
Tide	x N/A		coming High	(M. A. C.	ıa	Tide Height:	: ft.	
Last Rain	x > 72 hours		coming mg	u Outgon	5	Tide Height.	·1t.	Market Ma
Rainfall	x None		0.1"					
RUNOFF	CHARACTER		MAPAMAN MARKING ART THE ART					
Odor	None	Musty	Rotten Eggs	Chemical	Sev	vage	X Other	. NA
Color	None		Brown	White	Gra		X Other	~ 12 _
Clarity	Clear		Slightly Cloudy	Opaque			X Other	
Floatables	X None	Trash]	Bubbles/Foam	Sheen	Fec	al Matter	Other	
~	N.T.	X Sediment/Gravel	ine Particulates	Stains	Λil	*	Other	
	None	7 E Sediment Graver			OII	y Deposits	Other	
Vegetation	X None		Normal	Excessive	Oli	y Deposits	Other	
Vegetation			Normal Fish Snail	Excessive s Mussels/	Insect/	y Deposits Insect/ Snail	***************************************	
Vegetation Biology	X None X None	Limited 1 Insects Algae	Fish Snail	Excessive s Mussels/	Insect/	Insect/	Other	
Vegetation Biology Water Flow Does the st	X None X None W Flow orm drain flow	Limited Insects Algae wing Ponded X Insects the Receiving Wa	Fish Snail Ory Tidal	Excessive s Mussels/	Insect/ gae	Insect/	Other	
Vegetation Biology Water Flow Does the st	X None X None V Flow	Limited Insects Algae wing Ponded X Insects the Receiving Wa	Fish Snail Ory Tidal ter?	Excessive s Mussels/ Barnacles Al	Insect/ gae	Insect/ Snail	Other	
	X None X None w Flow orm drain flow f Overland Flo	Limited Insects Algae wing Ponded XI reach the Receiving Wa	Fish Snail Ory Tidal ter?	Excessive s Mussels/ Barnacles Al	Insect/ gae	Insect/ Snail	Other	
Vegetation Biology Water Flow Does the st Evidence of Photo Take	X None X None W Flow orm drain flow f Overland Floen x Yes	Limited I Insects Algae wing Ponded X I reach the Receiving Warw? Yes X N No Photo #	Fish Snail Ory Tidal ter? O Irrigation	Excessive s Mussels/ Barnacles Al	Insect/ gae	Insect/ Snail	Other	
Vegetation Biology Water Flow Does the st Evidence of Photo Take	X None X None V Flow orm drain flow f Overland Floen x Yes ing Samples Company of Co	Limited I Insects Algae wing Ponded X I I I I I I I I I I I I I I I I I I	Fish Snail Ory Tidal ter? O Irrigation	Excessive s Mussels/ Barnacles Al Yes N Runoff Other:	Insect/ gae	Insect/ Snail N/A	Other Other	
Vegetation Biology Water Flow Does the st Evidence of Photo Take ield Screen Water Tem	X None X None V Flow orm drain flow f Overland Floen x Yes ing Samples Co	Limited I Insects Algae wing Ponded X I reach the Receiving Warw? Yes X N No Photo #	Fish Snail Ory Tidal ter? O Irrigation	Excessive s Mussels/ Barnacles Al	Insect/ gae	Insect/ Snail N/A	Other Other	
Vegetation Biology Water Flow Does the st Evidence of Photo Take ield Screen Water Temph (pH units)	X None X None Flow orm drain flow f Overland Flo en x Yes ing Samples Co	Limited Insects Algae wing Ponded X I reach the Receiving Wa w? Yes X N No Photo # ollected? Yes X N NH3-N (mg/L) TURB (NTU)	Fish Snail Ory Tidal ter? O Irrigation No	Excessive s Mussels/ Barnacles Al Yes N Runoff Other: NO3-N (mg/L)	Insect/ gae	Insect/ Snail N/A	Other Other	
Vegetation Biology Water Flow Does the st Evidence of Photo Take Seld Screen Water Tempo H (pH units) Analytical	X None X None V Flow orm drain flow f Overland Floen x Yes ing Samples Co	Limited Insects Algae wing Ponded X Insects Algae wreach the Receiving War Test of the Receiving War wreach the Receiv	Fish Snail Ory Tidal ter? O Irrigation	Excessive s Mussels/ Barnacles Al Yes N Runoff Other: NO3-N (mg/L)	Insect/ gae	Insect/ Snail N/A Ortho-PC Reactive	Other Other	
Wegetation Biology Water Flow Does the st Evidence of Photo Take Mater Temporal (pH units) Analytical FLOW EST	X None X None Y Flow F	Limited Insects Algae wing Ponded X Insects Algae wing Ponded X Insects Algae wreach the Receiving Waster Yes X No Photo # collected? Yes X No NH3-N (mg/L) TURB (NTU) Collected? Yes ORKSHEETS Culvert Fill	Fish Snail Ory Tidal ter? O Irrigation No	Excessive s Mussels/ Barnacles Al Yes N Runoff Other: _ NO3-N (mg/L) COND (mS/cm)	Insect/ gae	Insect/ Snail N/A Ortho-PO Reactive MBAS (n	Other Other	
Vegetation Biology Water Flow Does the st Evidence of Photo Take ield Screen Water Temporal (pH units) Analytical FLOW EST Flowing Width	X None X None X None Flow orm drain flow f Overland Flo en x Yes ing Samples Co o (°C) Lab Samples C	Limited Insects Algae ving Ponded X Insects Algae ving Ponded X Insects Algae ving Ponded X Insects Ving Wareach the Receiving Wa	Fish Snail Ory Tidal ter? O Irrigation No X No ing a Bottle or F	Excessive s Mussels/ Barnacles Al Yes N Runoff Other: _ NO3-N (mg/L) COND (mS/cm)	Insect/gae	Insect/ Snail N/A Ortho-PO Reactive MBAS (n	Other Other	
Vegetation Biology Water Flow Does the st Evidence of Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW ES	X None X None X None Flow orm drain flow f Overland Flo en x Yes ing Samples Co o (°C) Lab Samples C	Limited Insects Algae wing Ponded X Insects Algae wing Ponded X Insects Algae wreach the Receiving Waster Yes X No Photo # collected? Yes X No NH3-N (mg/L) TURB (NTU) Collected? Yes ORKSHEETS Culvert Fill	Fish Snail Ory Tidal ter? O Irrigation No X No ing a Bottle or F	Excessive s Mussels/ Barnacles Al Yes N Runoff Other: _ NO3-N (mg/L) COND (mS/cm) Known Volume	Insect/gae O X	Insect/ Snail N/A Ortho-PO Reactive MBAS (n	Other Other	

COMMENTS: This is the new location for the site. A metal plate was covering the inlet and a worker from ASIG came to move the plate for field observations. The plate was put back in place.

			***************************************		toring Field				
		X Routine Invest	tigation		IC/ID Fol	llow-Up F	For		
GENERA	L SITE DESC	RIPTION		(NAD	83 decimal degrees	to 5th place)	•		
Site ID	C-B07-7			Latitude	32.72998	AA 8	Hydrologic	c Unit	908
Location		south end of Delta carg est of west wing	30	Longitude	-117.19387	vv atersiled	Hydrologic	c Area	908.2
Date	07/13/06			TB Page	1288 F1		Hydrologic (Optional)	c Subarea	908.21
Time	9:27am			Observer	RS, MF, JH		vischarge Area Optional)		1
Land Use (Check one		Residential	Com	nmercial x	Industrial A	gricultural		0	pen
	(Secondary) greater than 10°	Residential	Com	mercial	Industrial A	gricultural	l Parks	Open	x None
Conveyan (Check one	ce	Manhole	x Catch	Basin O	utlet Concr			Earthen hannel	Curb/Gut
ATMOSD	HERIC COND	ITIONIC							
****			***************************************		Accounting a property and a second a second and a second				
Weather Tide	x Sunny x N/A	Partly Cloudy	Over	······································					
Last Rain		Low	Inco	ming Hig	h Out	tgoing	Tide Heigh	t:ft.	**************************************
Last Kam Rainfall	x > 72 hours								
	x None	< 0.1"	> 0.1	77					
RUNOFF	CHARACTER	ISTICS							
Odor	None	Musty	Rot	ten Eggs	Chemical	S	Sewage	X Othe	r NA
Color	None	Yellow	Bro	wn	White		Gray	X Othe	
Clarity	Clear		Slig	htly Cloudy	Opaque	The second section of the second seco		X Othe	
Floatables	X None	Trash	But	bles/Foam	Sheen	F	Fecal Matter	Other	***************************************
Deposits	None	X Sediment/Gravel	Fine	e Particulates	Stains	(Dily Deposits	Other	*
Vegetation		Limited	Nor	mal	Excessive			Other	
Biology	X None	Insects Alg	ae F	ish Snail	s Mussels/ Barnacles	Insec Algae	t/ Insect/ Snail		
Water Flo	w Flo	wing Ponded	X Dry	Tidal			**************************************	terminated and Company and Com	
		v reach the Receivi			Yes	No	X N/A		
Evidence o	of Overland Flo	w? Yes	X No	Irrigation	Runoff Oth	er:			
Photo Tak	en x Yes	No Photo	o #				4(4)04(1)7(1)399999,999111141(11)141141414141414141414141414141	TO THE RESIDENCE OF THE PARTY O	Commence of the Commence of th
	THE PERSON NAMED IN COLUMN TO SERVICE AND ADDRESS OF THE PERSON NAMED IN COLUMN TO SE			The first term of the first te					
	ning Samples C		X No			T			
ield Screer		i NiHa Ni (NO3-N (mg/L)			PO4 (mg/L)	
Water Tem	p (°C)	NH3-N (mg			COND (mS/cm)	1	Reactiv	e-P (ma/L)	
Water Tem	p (°C)	TURB (NT	U)						
Water Tem pH (pH units)	p (°C)	TURB (NT		[No	(100,111)		MBAS		
Water Tem pH (pH units) Analytical FLOW ES	p (°C) Lab Samples (TIMATION W	TURB (NT Collected? ORKSHEETS	Yes X				MBAS	(mg/L)	
Water Tem pH (pH units) Analytical FLOW ES' Flowing	p (°C) Lab Samples (TURB (NT Collected? CORKSHEETS Culvert	Yes X Filling		Known Volume		MBAS		T
Water Tem pH (pH units) Analytical FLOW ES' Flowing Width	p (°C) Lab Samples (TIMATION W	TURB (NT Collected? CORKSHEETS Culvert ft Vo	Yes X Filling		Known Volume		MBAS F Diameter	(mg/L)	ft
Water Tem pH (pH units) Analytical FLOW ES	p (°C) Lab Samples (TIMATION W	TURB (NT Collected? CORKSHEETS Culvert ft Vo	Yes X Filling lume ne to Fill		Known Volume		MBAS	(mg/L)	T

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: Some weed growth and some trash observed around the basin.

		X Routine Inves	tigation		IC/ID Fol	low-Up For			
GENERA	L SITE DESCR	IPTION		(NAD	83 decimal degrees t	to 5th place)			
Site ID	C-B08-8			Latitude	32.73126	W	Hydrologic U	nit	908
Location	Manhole near S	Southwest Airlines,	Gate 1	Longitude	.117.19582	Watershed	Hydrologic A	rea	908.2
Date	07/13/06			TB Page	1288 F1	hed	Hydrologic So (Optional)	ubarea	908.21
Time	9:20am			Observer	RS, MF, JH		harge Area		
Land Use (Check one		Residential	Con	nmercial x I	ndustrial Aş	gricultural	Parks	0	pen
(Optional,	(Secondary) greater than 10%) Residential	Con	nmercial I	ndustrial Ag	gricultural	Parks	Open	x None
Conveyand (Check one		x Manhole	Catch	Basin Ou	itlet Concre Channel	ete N Cre		rthen inel	Curb/Gu
	HERIC CONDI	TIONS							
Weather	X Sunny	Partly Cloudy	Ove	rcast Fog	na herra Federald (1979-1984) harderen Prede.				
Γide	X N/A	Low		ming High	***************************************	going	Tide Height:_	ft.	
Last Rain	x > 72 hours	< 72 hours							***************************************
Rainfall	x None	< 0.1"	> 0.	1"					
RUNOFF	CHARACTERI		THE PERSON WITH PROPERTY OF THE PERSON WITH PERSON WIT						
Odor	None	Musty	Ro	tten Eggs	Chemical	Sev	/age	X Other	NA
Color	None	Yellow		own	White	Gra		X Other	
Clarity	Clear		Sli	ghtly Cloudy	Opaque			X Other	
loatables	X None	Trash		bbles/Foam	Sheen	Fec	al Matter	Other	
Deposits	X None	Sediment/Gravel	Fin	e Particulates	Stains		/ Deposits	Other	
Vegetation	X None	Limited	No	rmal	Excessive		, 200	Other	
Biology	X None	Insects Alg		Fish Snails		Insect/ Algae	Insect/ Snail	Other	
Water Flo	w Flow	ing Ponded	x Dry	Tidal	Dariacies	rigac	Silan		Maria and Color Liver Street, Liver Street, Grant 1919 St. Ft. And Color Street, Color St. Ft. Ft. And Color Street, Color St. Ft. Ft. Ft. Ft. Ft. Ft. Ft. Ft. Ft. F
		reach the Receivi			Yes	No x l	√/A		
	f Overland Flov		x No	Irrigation		***************************************	N/A		
Photo Tak	en x Yes	No Phot		LIII GUIUII		CI			
10. Marie Barrier and 1 (1 7 7 1 1 0 7 1 7 7 7 1 1 1 1 1 1 1 1 1					or wearning to the second seco				
eld Screen Water Tem	ing Samples Co		x No		NO N				··
		NH3-N (m			NO3-N (mg/L)	<u> </u>	Ortho-PO4		
H (pH units)		TURB (N	ru)	<u> </u>	COND (mS/cm)	<u> </u>	Reactive-I		
nalytical	Lab Samples Co	ollected?	Yes x	. No			MBAS (mg	/L)	
	TIMATION WO								
	Creek or Box C		Filling	g a Bottle or K	nown Volume			wing Pipe	
Flowing		ft Vo	lume		mL		iameter		ft
Flowing Vidth									1 .
Flowing Width Depth		ft Tir	ne to Fill		sec		epth		ft
Flowing Width					sec gpm		elocity		ft ft/sec

		X Routine Investigation	on	IC/ID Follow	-Up For	
GENERAL	L SITE DESCR	PTION	(NAD	83 decimal degrees to 5th		(100 - 100
Site ID	C-B08-8A		Latitude	32.73275		: Unit 908
Location	Grated inlet in f	Front of Gate 5	Longitude	-117.19544	Hydrologic Hydrologic Hydrologic	
Data		***			Hydrologic Hydrologic	
Date	07/13/06		TB Page	1288 F1	(Optional)	908.21
Time	9:18am		Observer	MF, RS, JH	Discharge Area (Optional)	
Land Use (Check one		Residential (Commercial x I	ndustrial Agrici	ultural Parks	Open
(Optional,	(Secondary) greater than 10%)	Residential (Commercial]	Industrial Agrice	ultural Parks	Open x None
Conveyand (Check one		Manhole x Car	tch Basin Ou	utlet Concrete Channel		Earthen Curb/Gut
ATMOSPI	HERIC CONDI	TIONS				
Weather	x Sunny	Partly Cloudy (Overcast Fog	- ALL COLOR OF CHARLES		
Tide	x N/A	Low I	ncoming Hig		ng Tide Heigh	t: ft.
Last Rain	x > 72 hours	< 72 hours		The second of th		The Manager of Control
Rainfall	x None	< 0.1"	· 0.1"			
RUNOFF	CHARACTERIS	STICS				
Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other NA
Color	None		Brown	White	Gray	x Other NA
Clarity	Clear		Slightly Cloudy	Opaque		x Other NA
Floatables	X None		Bubbles/Foam	Sheen	Fecal Matter	Other
Deposits	X None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other
Vegetation		Limited	Normal	Excessive		Other
Biology	X None	Insects Algae	Fish Snail		Insect/ Insect/ Igae Snail	
Water Flow	w Flowi	ng Ponded X l	Ory Tidal			HERETON CONTROL AND
Does the st	orm drain flow	reach the Receiving Wa	nter?	Yes N	lo X N/A	
Evidence o	f Overland Flow	? Yes XN	lo Irrigation	Runoff Other:	The second secon	
Photo Take	en x Yes	No Photo #				The state of the s
Field Screen	ing Samples Col	lleeted? Vec V	N.			
Water Temp		$\frac{\text{llected?} \text{Yes} X}{\text{NH}_3\text{-N} \text{ (mg/L)}}$		NO3-N (mg/L)	C-4L - D	0
pH (pH units)		TURB (NTU)		COND (mS/cm)	Ortho-P	C4 (mg/L) e-P (mg/L)
	4	1		COTTD (als/ciii)	MBAS	
Analytical	Lab Samples Co	ollected? Yes	X No			
	TIMATION WO					
	Creek or Box C		ling a Bottle or K	Known Volume		lowing Pipe
Width Depth		ft Volume Time to 1	2:11	mL	Diameter	ft
Velocity		ft Time to I Flow	7111	sec	Depth	ft
Flow	Dry	gpm FIOW		gpm	Velocity	ft/sec
	121	or			Flow	gpm
COMMENT	S: Filter fabric is	still in place as a constr	uction BMP.			

		X Routine I	nvestigation		IC/ID Fol	llow-Up I	For		
GENERA	L SITE DESCR	IPTION		(NAD	83 decimal degrees	to 5th place)		
Site ID	C-B04-9			Latitude	32.72796		Hydrolo	gic Unit	908
Location	Grated inlet outsi beacon, west of I			Longitude	-117.18047		Hydrolo Hydrolo	gic Area	908.2
Date	07/13/06			TB Page	1288 H1		Hydrolo (Optiona	ogic Subarea	908.21
Time	7:28am			Observer	RS, MF, JH		Discharge Ar Optional)		
Land Use (Check one		Reside	ntial Com	mercial x I	ndustrial A	gricultura		(Open
	(Secondary) greater than 10%	Reside	ntial Com	mercial I	ndustrial A	gricultura	l Parks	Open	x None
Conveyand (Check one		Manho	le x Catch	Basin Ou	ıtlet Concr Channel		Natural Creek	Earthen Channel	Curb/Gutte
ATMOSPI	HERIC CONDI	TIONS						THE STATE OF THE S	
Weather	Sunny	x Partly Clo	oudy Over	cast Fog					
Tide	N/A	Low	x Incom	·····		tgoing	Tide He	ight: -1.2 ft.	
Last Rain	x > 72 hours	< 72 hour	***************************************	iiiig iiigi	Uu Ou	igonig	Tiue He	ignt: -1.2 It.	
Rainfall	x None	< 0.1"	> 0.1	77					
RUNOFF	CHARACTERI			-					
Odor	None	Musty	Rot	ten Eggs	Chemical		Carriaga	X Oth	or NIA
Color	None	Yellow	Bro		White	***************************************	Sewage Gray	X Oth	
Clarity	Clear	***************************************		htly Cloudy	Opaque		Oray	X Oth	
Floatables	None	x Trash		bles/Foam	Sheen]	Fecal Matter	Othe	
Deposits	None	x Sediment/Gra	vel Fine	Particulates	Stains		Oily Deposits	***************************************	
Vegetation		Limited	Nor	mal	Excessive	anderen bil di peri y yennere yenneren errennere bereit		Othe	
Biology	x None	Insects	Algae F	ish Snails	Mussels/ Barnacles	Insec Algae	t/ Inse Snail	***************************************	***************************************
Water Flo	v Flow	ing x Pond	ed Dry	x Tidal	Darmacies	Migac	Silati		
Does the st	orm drain flow	reach the Re	ceiving Water	?	Yes	No	x N/A		
Evidence o	f Overland Flov	v?	Yes x No	Irrigation	Runoff Oth	ier:			
Photo Take	en x Yes	No I	Photo #		777	011111111111111111111111111111111111111			And the second s
Field Screen	ing Samples Co	Hootod?	Yes x No						
Water Tem			N (mg/L)		NO3-N (mg/L)	1	Orth	o DO (n)	
pH (pH units)			B (NTU)		COND (mS/cm)	 		o-PO ₄ (mg/L)	
					(Marcial)	<u> </u>		AS (mg/L)	
	Lab Samples Co			No					···
	FIMATION WO			a Bottle or K	Known Volume			Flowing Di-	
Width		ft	Volume	, a Double Of It	mL		Diameter	Flowing Pip	ft ft
Depth		ft	Time to Fill		sec		Depth		ft
Velocity		ft/sec	Flow		gpm		Velocity		ft/sec
Flow	tidal	gpm					Flow		gpm

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: Very shallow, ponded tidal water. No flow observed.

Conveyance (Check one only) Manhole x Catch Basin Outlet Channel Concrete Channel Concrete Channel Creek Channel Condition Creek Channel Condition C					Dr	y Weat	her M	onit	oring .	Field	Dat	ash	eet			
Site D			\mathbf{X}	Routi	ne Inve	estigation			IC/	ID Fol	low-U	p For				
Site ID	ES	ESCR	XIPT	TON				(NAD 8	33 decimal of	legrees t	o 5th pla	ice)				
Time 7:25 am Observer RS, MF, JH Obscharge Area (Optional) Land Use (Primary) Residential Commercial x Industrial Agricultural Parks Oper (Check one only) Residential Commercial Industrial Agricultural Parks Oper (Check one only) Residential Commercial Industrial Agricultural Parks Oper (Check one only) Manhole x Catch Basin Outlet Concrete Channel Creek Channel ATMOSPHERIC CONDITIONS Weather Sunny x Partly Cloudy Overcast Fog Tide N/A Low x Incoming High Outgoing Tide Height: -1.2 Industrial X None < 0.1" > 0.1" REAST Rain x > 72 hours < 72 hours	A	A											Hydro	logic U	nit	908
Time 7:25 am Observer RS, MF, JH Obscharge Area (Optional) Land Use (Primary) Residential Commercial x Industrial Agricultural Parks Oper (Check one only) Residential Commercial Industrial Agricultural Parks Oper (Check one only) Residential Commercial Industrial Agricultural Parks Oper (Check one only) Manhole x Catch Basin Outlet Concrete Channel Creek Channel ATMOSPHERIC CONDITIONS Weather Sunny x Partly Cloudy Overcast Fog Tide N/A Low x Incoming High Outgoing Tide Height: -1.2 Industrial X None < 0.1" > 0.1" REAST Rain x > 72 hours < 72 hours				ith of C	C-B04-9,	west of	Longit	ude	-117.18	051		ıtersh	Hydro	logic A	rea	908.2
Time	6						TB Pag	ge	1288 H	1		ned			ubarea	908.21
Check one only Residential Commercial x Industrial Agricultural Parks Open Concession only Residential Commercial Industrial Agricultural Parks Open Conveyance Chance Channel Channel Channel Channel Channel Creek Channel C							Observ	er	RS, MF	, ЈН			harge A			1
(Optional, greater than 10%) Residential Commercial Industrial Agricultural Parks Oper Conveyance (Check one only))			Re	sidentia	ıl Con	nmercial	x Iı	ndustrial	Ag	gricultu			s	0	pen
Check one only			%)	Re	sidentia	ıl Con	nmercial	I	ndustrial	Ag	gricultu	ıral	Park	s	Open	x None
Neather Sunny x Partly Cloudy Overcast Fog				Ma	ınhole	x Catch	Basin	Ou	TIET		ete					Curb/Gutt
Tide N/A Low x Incoming High Outgoing Tide Height: -1.2 (Last Rain x > 72 hours	O	OND	ITIO	NS												
Tide N/A Low x Incoming High Outgoing Tide Height: -1.2 (Last Rain x > 72 hours	ny	у	Х	Partly	Cloud	y Ove	rcast	Fog								
Rainfall X None < 0.1" > 0.1" > 0.1"								The second secon	1	Out	gaing		Tide H	eight.	.1 2 ft	
RUNOFF CHARACTERISTICS Odor None Musty Rotten Eggs Chemical Sewage X Color None Yellow Brown White Gray X Clarity Clear Slightly Cloudy Opaque X Floatables None x Trash Bubbles/Foam Sheen Fecal Matter Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Vegetation None x Limited Normal Excessive Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Water Temp (*C) NH3-N (mg/L) Ortho-PO+ (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing	ho	nours	***********	***************************************	hours					<u> </u>	Some	·	IIUC II	cigii.	~1.∠ 1t.	
Color None Musty Brown White Gray X Color None Yellow Brown White Gray X Clarity Clear Slightly Cloudy Opaque X Floatables None x Trash Bubbles/Foam Sheen Fecal Matter Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Vegetation None x Limited Normal Excessive Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Lield Screening Samples Collected? Yes X No Water Temp (*C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (ms/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing	e	<u>, </u>				> 0.	1"									
Odor None Musty Rotten Eggs Chemical Sewage X Color None Yellow Brown White Gray X Clarity Clear Slightly Cloudy Opaque X Floatables None x Trash Bubbles/Foam Sheen Fecal Matter Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Vegetation None x Limited Normal Excessive Biology x None Insects Algae Fish Snails Mussels/ Insect/	¬т	TED.	***************************************	HI I MANAGEMENT WAS	***************************************	- 0.										
Color None Yellow Brown White Gray X Clarity Clear Slightly Cloudy Opaque X Floatables None x Trash Bubbles/Foam Sheen Fecal Matter Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Vegetation None x Limited Normal Excessive Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Sield Screening Samples Collected? Yes X No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) PH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing																
Clarity Clear Slightly Cloudy Opaque X Floatables None x Trash Bubbles/Foam Sheen Fecal Matter Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Vegetation None x Limited Normal Excessive Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Sield Screening Samples Collected? Yes X No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) PH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing			************			Ro	tten Eggs		Chen	nical		Sev	vage		X Othe	г
Floatables None x Trash Bubbles/Foam Sheen Fecal Matter Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Vegetation None x Limited Normal Excessive Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo #	-		Y	ellow					Whit	e	****	Gra	у		X Othe	r
Deposits None x Sediment/Gravel Fine Particulates Stains Oily Deposits Vegetation None x Limited Normal Excessive Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Tield Screening Samples Collected? Yes X No Water Temp (*C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing		***************************************		•		***************************************				<u></u>		***************************************	M		X Othe	r
Vegetation None x Limited Normal Excessive Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Tield Screening Samples Collected? Yes X No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing						***************************************									Other	ľ
Biology x None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Tield Screening Samples Collected? Yes X No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing	*******						***************************************	lates	77777777 Parriage (477)			Oily	y Depos	its	Other	
Barnacles Algae Snail Water Flow Flowing x Ponded Dry x Tidal Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Tield Screening Samples Collected? Yes X No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing		****						·			*******************************	************************			Other	
Does the storm drain flow reach the Receiving Water? Yes No x N/A Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Gield Screening Samples Collected? Yes X No	ne 	•	In	ısects	A	lgae l	Fish	Snails							Other	
Evidence of Overland Flow? Yes x No Irrigation Runoff Other: Photo Taken x Yes No Photo # Field Screening Samples Collected? Yes X No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing	F	Flow	ving	x F	onded	Dry	x Ti	dal		District of colorest are research	***************************************	***************************************	***			
Photo Taken x Yes No Photo # Sield Screening Samples Collected? Yes X No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing	n f	flow	reac	ch the	Receiv	ing Water	r?		Yes		No	x N	√A/A			
Photo Taken x Yes No Photo #	ıd	i Flo	w?		Yes	x No	Irrio	ation l	Runoff	Othe	ar•	**************	· W Free Servers Addition Control	•		
Tield Screening Samples Collected? Yes X No Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing	Ye	/es	***************************************	No		******				Ouk	J			onine management de		The state of the s
Water Temp (°C) NH3-N (mg/L) NO3-N (mg/L) Ortho-PO4 (mg/L) pH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing																
PH (pH units) TURB (NTU) COND (mS/cm) Reactive-P (mg/l MBAS (mg/L) Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing	ole	es Co	ollect										7			
Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing											ļ					
Analytical Lab Samples Collected? Yes x No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing				1_1	UKB (NIU)			COND (m	S/cm)	<u> </u>					
Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing	ple	les C	'ollec	cted?		Yes	. No						MI	3AS (mg	/L)	
Tiowing					ETS	Fill:	a Rassi	or V	now- Tr-	l				F-11		
	עו	DUA (ft	CI L] [V		s a DULLIC	OF K	HOWN VO	nL		[<u>r</u>	liomat-	Flov	wing Pipe	T
Width ft Volume mL Diameter Depth ft Time to Fill sec Depth							+									ft
Velocity ft/sec Flow gpm Velocity				sec			-									ft ft/sec
Flow tidal gpm Flow			gpı	m			_									gpm

COMMENTS: Some shallow, ponded water, most likely tidal due to past observations. No flow observed.

		Dry Wea	ther Monii	oring Field Da	tasneet		
		X Routine Investigation		IC/ID Follow-U	Jp For		
GENERAL	L SITE DESCR	IPTION	(NAD	83 decimal degrees to 5th p	lace)		
Site ID	C-B01-1		Latitude	32.7318		ologic Unit	908
Location	Grated inlet insid Air, north of run	de zipper line, south of Jim's way 9/27	Longitude	-117.1744	Water Hydro	ologic Area	908.2
Date	08/10/06		TB Page	1288 H1	E Hydro	ologic Subarea	908.21
Time	10:38am		Observer	RS, MF	Discharge A		
Land Use (Check one		Residential Co	mmercial x I	Industrial Agricul		rs ()pen
Land Use	(Secondary) greater than 10%	Residential Co	ommercial	Industrial Agricul	tural Parl	SS Open	x None
Conveyand (Check one	ce	PO PO PO MARANCO PO	h Basin O	utlet Concrete Channel	Natural Creek	Earthen Channel	Curb/Gutte
ATMOSP	HERIC COND	ITIONS					
Weather	Sunny	x Partly Cloudy Ov	ercast Fog	-			
Tide	x N/A		coming Hig	CHALLES COLOR DESCRIPTION OF THE COLOR OF TH	z Tide l	Height:ft.	
Last Rain	x > 72 hours		8		Z		
Rainfall	x None		0.1"				
	CHARACTER		A T T T T T T T T T T T T T T T T T T T				
Odor	None		otten Eggs	Chemical	Samaga	X Otho	ar NIA
Color	None	***************************************	otten Eggs frown	White	Sewage	X Othe	
Clarity	Clear		lightly Cloudy		Gray	X Othe	
Floatables		**************************************	Subbles/Foam	Opaque Sheen	Fecal Matt		
Deposits 1	None		ine Particulates	Stains	Oily Depos		
Vegetation			lormal	Excessive	Ony Depos	Othe	F-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
Biology	X None	Insects Algae	Fish Snail		nsect/ 1	insect/ Other	***************************************
Diology	A I TOILE	Hisects Aigae	rish Shan		gae Sn		:1
Water Flo	w Flov	wing Ponded X D	ry Tidal			10012	
Does the s	torm drain flow	v reach the Receiving Wa	ter?	Yes No	X N/A		
Evidence o	of Overland Flo	ow? Yes X No	Irrigation	Runoff Other: _	M 1 AAN NA () MARIEM NA (
		POMPANIAN MINISTER IN THE INCIDENT COMPANIAN CONTROL OF THE INCIDENT CONTROL O		Kunon Omer: _			***************************************
Photo Tak	ken x Yes	No Photo #					
Field Corner	ning Camples C	collected? Vec VN	Į.				
Water Tem	ning Samples C	ollected? Yes X N NH3-N (mg/L)	io T	NO3-N (mg/L)		rtho-PO ₄ (mg/L)	
pH (pH units	······································	TURB (NTU)		COND (mS/cm)		eactive-P (mg/L)	
, ,r	<u> </u>	1		(IBAS (mg/L)	
Analytical	Lab Samples (Collected? Yes	X No			·	
	TIMATION W		P 44	**************************************		TT •	
Flowing Width	g Creek or Box		ing a Bottle or	Known Volume	D:	Flowing Pip	
Depth		ft Volume Time to F	111	mL sec	Diamete	er	ft
Velocity		ft/sec Flow	111	sec	Depth Velocity	7	ft/sec
Flow	Dry	gpm		gpm	Flow	<u>'</u>	
1011	1 121 9	Joh			LIUW	1	gpm

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: Site is dry.

		X Routine Investigation	1	IC/ID Follow-	Up For	-
GENERA	L SITE DESCRII	PTION	(NAD	83 decimal degrees to 5th p	olace)	
Site ID	C-B03-2		Latitude	32.72863	₹ Hydrologic Unit	908
Location		of zipper line, south of etly south of B1-D sign	Longitude	-117.17840	Hydrologic Unit Hydrologic Area Hydrologic Suba	908.2
Date	08/10/06	-	TB Page	1288 J1	Hydrologic Subar (Optional)	rea 908.21
Time	10:26am		Observer	MF, RS	Discharge Area (Optional)	
Land Use (Check one	(Primary) e only)	Residential Co	ommercial x I	ndustrial Agricul		Open
	(Secondary) greater than 10%)	Residential Co	ommercial l	Industrial Agricul	ltural Parks Ope	en x None
Conveyan (Check one		Manhole x Cato	h Basin O	utlet Concrete Channel	Natural Earthe Creek Channel	n Curb/Gutte
ATMOSP	HERIC CONDIT	TIONS		·····		
Weather	Sunny	X Partly Cloudy O	vercast Fog	nauthantaina ann an		
Tide	N/A		coming Hig	######################################	g Tide Height: 4.9	ft.
Last Rain	X > 72hours	< 72 hours		шишин өмөөн өмкөн шин насагом оонш онш уул а бын оо	Milliamitujujuosessa saasaa 1916	
Rainfall	X None	< 0.1"	0.1"			
RUNOFF	CHARACTERIS	STICS	den version de la companya de la com			
Odor	X None	Musty I	Rotten Eggs	Chemical	Sewage	Other
Color	X None	Yellow I	Brown	White	Gray	Other
Clarity	X Clear		Slightly Cloudy	Opaque		Other
Floatables			Bubbles/Foam	X Sheen	Fecal Matter	Other
Deposits	X None		Fine Particulates	Stains	Oily Deposits	Other
Vegetation			Normal	Excessive		Other
Biology	X None	Insects Algae	Fish Snail		Insect/ Insect/ gae Snail	Other
Water Flo	w Flowi	ng X Ponded D	ry X Tidal			
Does the s	storm drain flow	reach the Receiving Wa	ter?	Yes N	o x N/A	
Evidence	of Overland Flow	Yes XN	o Irrigation	Runoff Other: _		
Photo Tal	ken x Yes	No Photo #				
7: 11 C	· · · · · · · · · · · · · · · · · · ·	114.19 V.V	T -			
Water Ten	ening Samples Co		NT	NO3-N (mg/L) N'	Γ Ortho-PO ₄ (m	g/L) NT
pH (pH units			NT		,358 Reactive-P (m	
par (prrume	1111	1010 (0)		00112 (mo/cm) 7.1	MBAS (mg/L)	NT
Analytica	l Lab Samples Co	ollected? Yes	x No			
	STIMATION WO		ling a Rottle or	Known Volume	Flowin	ng Pipe
	vilees or Doxi		ung a Doute of	mL mL	Diameter	ig ripe
Flowin	B CICCH OF BOX C	ft Volume	l l		Lamour	
Flowin Width	g creek or box c	ft Volume ft Time to 1	Fill	sec	Depth	ft
Flowin	S CICCUIT DON'C		Fill	sec gpm	Depth Velocity	ft ft/sec

		Dry V	Weath	ier Monit	oring Field	Dat	ashe	eet		
		X Routine Investig	ation		IC/ID Foll	low-Uı	o For			
GENERAL	L SITE DESCR		,	(NAD	83 decimal degrees to	•	•			
Site ID	C-B05-3			Latitude	32.73389	o our pil		Hydrologic V	Unit	908
Location		theast of former SwissPo north of runway 9/27	ort	Longitude	-117.18294		Watershed	Hydrologic A	Area	908.2
Date	08/10/06	Horris of Fallway 9,27		TB Page	1268 H7		hed	Hydrologic S	Subarea	908.21
Time	9:04am			Observer	MF, RS			(Optional) harge Area		
T 3 TI	(D:)				<u> </u>		(Opt	ional)	I	
Land Use (Check one		Residential	Com	mercial x I	ndustrial Ag	gricultu	ıral	Parks	O	pen
(Optional,	(Secondary) greater than 10%	(6) Residential	Com	mercial I	ndustrial Ag	gricultu	ıral	Parks	Open	x None
Conveyand (Check one		Manhole x	Catch I	Basin Ou	itlet Concre Channel	ete	N Cre		arthen .nnel	Curb/Gutter
ATMOSP	HERIC COND	ITIONS								
Weather	Sunny	X Partly Cloudy	Over	cast Fog						
Tide	x N/A	Low	Incor	······································	******	going		Tide Height:	ft.	
Last Rain	x > 72 hours	< 72 hours		A1100000000000000000000000000000000000	***************************************		***************************************		mil mm a amus a anna a anna a anna	
Rainfall	x None	< 0.1"	> 0.1	***						
RUNOFF	CHARACTER	ISTICS		Annual and Epperatury						
Odor	None	Musty	Rott	ten Eggs	Chemical		Sev	/age	X Othe	r NA
Color	None	Yellow	Bro		White		Gra		X Othe	
Clarity	Clear	THE PROPERTY OF THE PROPERTY O		htly Cloudy	Opaque	**************************************			X Othe	
Floatables	None	X Trash		bles/Foam	Sheen	***************************************	Fec	al Matter	Other	
Deposits	None	X Sediment/Gravel	Fine	Particulates	Stains		Oil	Deposits	Other	
Vegetation	ı X None	Limited	Nor	mal	Excessive	MANAGE COLUMN TO PROPERTY OF THE			Other	
Biology	X None	Insects Algae	F	ish Snail	s Mussels/ Barnacles	In: Alga	sect/	Insect/ Snail	Other	•
Water Flo	w Flox	wing Ponded	X Dry	Tidal						MARIANT ST. ST. St. Standard reprint arrest former and the standard st. St. St. St. Standard and the standard a
Does the st	torm drain flow	reach the Receiving	g Water	?	Yes	No	X	N/A		
Evidence o	of Overland Flo	w? Yes	X No	Irrigation	Runoff Othe	~*·	***************************************	47 January State Prince Prince Heller State Prince		
***************************************	HIIII HIII HIII HIII HIII HIII HIII HI			nrigation	Ruion Our	ei				
Photo Tak	ken x Yes	No Photo	#		of Hillstood for annual natural natura					
Field Scree	ning Samples C		X No							
Water Tem		NH3-N (mg/I			NO3-N (mg/L)			Ortho-P0)4 (mg/L)	
pH (pH units)	TURB (NTU)]		COND (mS/cm)	<u></u>		Reactive		
Analytical	Lab Samples (Collected? Y	es X	. No				MBAS (1	ng/L)	
	TIMATION W							· · · · · · · · · · · · · · · · · · ·		
	Creek or Box			a Bottle or I	Known Volume		-		owing Pipe	
Width Depth		ft Volu	ime e to Fill		mL see			Diameter Donth		ft
Velocity		ft/sec Flow			sec gpm			Pepth Velocity		ft ft/sec
Flow	Dry	gpm	T		ghm			low		gpm
	1 1							10 11		Phm

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: Site was dry. A rope was hanging from the grate, connected to a sediment monitor.

		Dry Weat	her Monit	oring Field Da	tashee	t		
		X Routine Investigation		IC/ID Follow-	Up For			
GENERAL	L SITE DESCR	IPTION	(NAD	83 decimal degrees to 5th	olace)			
Site ID	C-B05-4		Latitude	32.73063		lydrologic Ur	nit	908
Location		de of zipper line, south of rth of generator yard	Longitude	-117.18298	Watershed	lydrologic Ar	rea	908.2
Date	08/10/06		TB Page	1288 G1	1	Iydrologic Su Optional)	ibarea	908.21
Time	10:23am		Observer	RS, MF	Discha (Option	rge Area nal)		
Land Use (Check one		Residential Cor	nmercial x I	ndustrial Agricu	tural	Parks	Oŗ	en
	(Secondary) greater than 10%	Residential Cor	nmercial I	ndustrial Agricu	tural	Parks	Open	x None
Conveyand (Check one		Manhole x Catch	Basin Ou	otlet Concrete Channel	Na Creel		then nel	Curb/Gutte
ATMOSP	HERIC CONDI	ITIONS						
Weather	Sunny	x Partly Cloudy Ove	ercast Fog	THE PROPERTY OF THE PROPERTY O				
Tide	N/A	Low x Inco			g T	ide Height: 4	l.9 ft.	
Last Rain	x > 72 hours	< 72 hours	(1)-(1)-(1)-(1)-(1)-(1)-(1)-(1)-(1)-(1)-	The same of the sa	**************************************			Metter (to 100
Rainfall	x None	< 0.1" > 0.1	1"					
RUNOFF	CHARACTER	ISTICS	- Anna Carlo Maria					
Odor	None		tten Eggs	Chemical	Sewag	ge	X Other	
Clority	None		own	White	Gray		X Other	
Clarity Floatables	Clear		ghtly Cloudy	Opaque			X Other	NA
Deposits	·////		ibbles/Foam	Sheen		Matter	Other	
Vegetation	None X None		ne Particulates	Stains	Oily I	Deposits	Other	
Biology	X None		ormal Fish Snail	Excessive s Mussels/	[noost/	Incast/	Other	
Diology	A Hone	Insects Algae	risii Silali		insect/ gae	Insect/ Snail	Other	
Water Flo	w Flow	ving x Ponded Dry	/ Tidal		·			
Does the st	torm drain flow	reach the Receiving Wate	r?	Yes N) X N	<u>/A</u>		
Evidence of	of Overland Flo	w? Yes X No	Irrigation	Runoff Other: _				
Photo Tak		No Photo #				WARE THE THE THE THE THE THE THE THE THE TH		TOTAL CONTROL OF THE STATE OF T
Field Screen	ning Samples Co	ollected? Yes X No						
		NH3-N (mg/L)		NO3-N (mg/L)		Ortho-PO ₄	(mg/L)	
Water Tem		THE		COND (mS/cm)		Reactive-F	(mg/L)	
Water Tem pH (pH units)		TURB (NTU)	<u></u> l.					
pH (pH units)			X No	<u> </u>		MBAS (mg	/L)	
pH (pH units) Analytical FLOW ES	Lab Samples C	Collected? Yes ORKSHEETS	······································					
pH (pH units) Analytical FLOW ES	Lab Samples C	Collected? Yes ORKSHEETS Culvert Fillin	······································	Known Volume	Dia	Flov	wing Pipe	ft
pH (pH units) Analytical FLOW ES Flowing Width	Lab Samples C	Collected? Yes ORKSHEETS Culvert Fillir	g a Bottle or l	Known Volume		Flov ameter		
pH (pH units) Analytical FLOW ES Flowing	Lab Samples C	Collected? Yes ORKSHEETS Culvert Fillir ft Volume	g a Bottle or l	Known Volume	De	Flov ameter		ft

COMMENTS: Water was too shallow and sediment was too deep to take a sample with the pump. Site had an automatic sampling device installed by MACTEC.

				THE TYROTHE					
		X Routine	Investigation		IC/ID Follow	-Up Fo	r		
GENERAI	L SITE DESCR	IPTION		(NAD	83 decimal degrees to 5t	h place)			
Site ID	C-B06-5			Latitude	32.73581		Hydrolo	gic Unit	908
Location	Grated inlet sou	itheast of co	ntrol tower	Longitude	-117.18632	ters	Hydrolo	gic Area	908.2
Date	08/10/06			TB Page	1268 G7	Watershed	Hydrolo (Optiona	gic Subarea	908.21
Time	9:10am			Observer	RS, MF		charge Are		····· • • ···
Land Use (Check one		Resid	dential Cor	nmercial x I	ndustrial Agric	ultural	Parks		Open
(Optional,	(Secondary) greater than 10%	Resid	dential Con	mmercial I	Industrial Agric	ultural	Parks	Open	x None
Conveyand (Check one		Manl	hole x Catch	Basin Ou	utlet Concrete Channel	C	Natural reek	Earthen Channel	Curb/Gutter
ATMOSP	HERIC CONDI	TIONS							
Weather	Sunny	X Partly	Cloudy Ove	ercast Fog	t annound from the factorist for an additional form announcement.				
Tide	x N/A	Low		oming High	Outgo	ing	Tide He	ight:	ft.
Last Rain	x > 72 hours								
Rainfall	x None	< 0.1"	> 0	.1"					
RUNOFF	CHARACTER		DECEMBER OF THE PROPERTY OF TH	hammer than the back as					
Odor	None	Musty	Ro	otten Eggs	Chemical	Se	ewage	ХО	ther NA
Color	None	Yellow		own	White		ray	ΧO	
Clarity	Clear	***************************************	Sl	ightly Cloudy	Opaque	(7) N. H.		ΧO	ther NA
Floatables	X None	Trash	Bu	ubbles/Foam	Sheen	Fe	cal Matter	O ₁	ther
Deposits	None	x Sediment/0	Gravel Fi	ne Particulates	Stains	О	ily Deposits	s O	ther
Vegetation	n x None	Limited	No	ormal	Excessive		**************************************	O	ther
Biology	x None	Insects	Algae	Fish Snail		Insect/ Algae	Ins Snail		ther
Water Flo	w Flov	ving Po	onded x Dry	y Tidal		ens medemonium		ын жий түү түү түү түү түү түү түү түү түү тү	TO THIS TO THE STATE OF THE STA
Does the s	torm drain flow	reach the I	Receiving Wate	er?	Yes	No x	N/A		
Evidence o	of Overland Flo	w?	Yes X No	Irrigation	Runoff Other:			,	
Photo Tak	ken x Yes	No	Photo #			***************************************			THE REAL PROPERTY OF THE PROPE
Field Scree	ning Samples C	ollected?	Yes x No)					
Water Ten			H3-N (mg/L)		NO3-N (mg/L)		Orth	no-PO4 (mg/L)	
pH (pH units)	JT	URB (NTU)		COND (mS/cm)			ctive-P (mg/L)	
Analytical	Lab Samples C	Collected?	Yes	x No			MB	AS (mg/L)	
	TIMATION W			ng a Rottle en l	Known Volume			Flowing I	Pine
Width	S CICCR OI DOX	ft	Volume	is a Duttle UI	mL		Diameter	Liowing	ft
Depth		ft	Time to Fi	11	sec	—	Depth		ft
Velocity		ft/sec	Flow		gpm	 	Velocity		ft/sec
Flow	Dry	gpm					Flow		gpm

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: Site has an automatic sampling device installed by MACTEC.

		X Routine I	nvestigation		IC/ID Foll	ow-Up F	or		
GENERAI	L SITE DESCRI	PTION		(NAD	33 decimal degrees to	5th place)			
Site ID	C-B07-6			Latitude	32.73083	**	Hydrolo	gic Unit	908
Location	Grated inlet at sor	uth end of ASI	G, near wash	Longitude	-117.19304	Watershed	Hydrolo	gic Area	908.2
Date	08/10/06			TB Page	1288 F1	2	Hydrolo (Optiona	gic Subarea	908.21
Time	10:04am			Observer	RS, MF		oischarge Ar Optional)		
Land Use (Check one		Reside	ential Con	nmercial x I	ndustrial Ag	ricultura			Open
	(Secondary) greater than 10%) Reside	ential Con	nmercial I	ndustrial Ag	ricultura	l Parks	Open	x None
Conveyand (Check one		Manho	ole x Catch	Basin Ou	itlet Concre Channel		Natural Creek	Earthen Channel	Curb/Gutter
ATMOSP	HERIC CONDI	TIONS							
Weather	Sunny	X Partly C	loudy Ove	rcast Fog	normanium de la companium de l				
Tide	x N/A	Low	·····	ming High	hauman management of the second of the secon	going	Tide He	ight: ft	
Last Rain	x > 72 hours	< 72 hou	***************************************	1115	<u> </u>	B01115			
Rainfall	x None	< 0.1"	> 0.	1"					
Lori belibre rebiterrentud Helmonamer morm	CHARACTERI	UNIO 1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444 (1444		L.					
Odor	None	Musty	Ro	tten Eggs	Chemical		Sewage	X Oth	ner NA
Color	None	Yellow	***************************************	own	White		Gray	X Otl	
Clarity	Clear	***************************************	Sli	ghtly Cloudy	Opaque			X Oth	
Floatables	None	X Trash	***************************************	bbles/Foam	Sheen	7	Fecal Matter	Oth	
Deposits	None	X Sediment/G	ravel Fir	e Particulates	Stains	(thirteen terminal and and	Oily Deposit	s Oth	ier
Vegetation	ı X None	Limited	No	rmal	Excessive		······································	Oth	er
Biology	X None	Insects	Algae	Fish Snail	s Mussels/ Barnacles	Insec Algae	ct/ Ins Snail	ect/ Oth	ner
Water Flo	w Flow	ring Pon	ided X Dry	/ Tidal					
Does the s	torm drain flow	reach the R	eceiving Wate	<u>r?</u>	Yes	No	X N/A		
Evidence o	of Overland Flov	w?	Yes X No	Irrigation	Runoff Othe	er:			
Photo Tak	en x Yes	No	Photo #		(SSA) MAI Markin bahas) ka kabungan sa Mark				
Field Screen	ning Samples Co	ollected?	Yes X No						
Water Ten			3-N (mg/L)		NO3-N (mg/L)		Ortl	10-PO ₄ (mg/L)	
pH (pH units			RB (NTU)		COND (mS/cm)			ctive-P (mg/L)	
				<u>, </u>	· · · · · · · · · · · · · · · · · · ·			AS (mg/L)	
	Lab Samples C			X No		***			
	TIMATION WO			g a Bottle or l	Known Volume			Flowing Pi	pe
Width		ft	Volume		mL		Diameter		ft
Depth		ft	Time to Fil	1	sec		Depth		ft
Velocity		ft/sec	Flow		gpm		Velocity		ft/sec
Flow	Dry	gpm					Flow		gpm

COMMENTS: The metal plate was partially moved, so the site was visually accessible.

		. D	y vv cat	nei moni	oring Field I	Jaiasi	ucci		
		X Routine In	vestigation		IC/ID Follow	w-Up Fo	or		
GENERAL	L SITE DESCR	RIPTION		(NAD	83 decimal degrees to 5	th place)			
Site ID	C-B07-7			Latitude	32.72998	Wa	Hydrolo	gic Unit	908
Location	Grated inlet sout wing parking lot	th of cargo area, in	n the west	Longitude	-117.19387	Watershed	Hydrolo	gic Area	908.2
Date	08/10/06			TB Page	1288 F1	ಆ	Hydrolo (Optiona	gic Subarea l)	908.21
Time	7:35am			Observer	RS, MF		scharge Are	ea	
Land Use (Check one	•	Residen	tial Cor	nmercial x I	ndustrial Agric	cultural	Parks	(Open
	(Secondary) greater than 10%	Residen	tial Cor	nmercial 1	Industrial Agri	cultural	Parks	Open	x None
Conveyand (Check one		Manhol	e x Catch	Basin O	ıtlet Concrete Channel		Natural Creek	Earthen Channel	Curb/Gutte
ATMOSP	HERIC COND	ITIONS				,			
Weather	Sunny	X Partly Clo	oudy Ove	ercast Fog	**************************************				
Tide	x N/A	Low	Inco	oming Hig	h Outgo	oing	Tide Hei	i ght: ft.	
Last Rain	x > 72 hours	< 72 hours	3						
Rainfall	x None	< 0.1"	> 0	.1"					
RUNOFF	CHARACTER	ISTICS							
Odor	None	Musty	Ro	otten Eggs	Chemical	S	ewage	X Oth	er NA
Color	None	Yellow	Br	own	White	C	iray	X Oth	er NA
Clarity	Clear		·····	ightly Cloudy	Opaque			X Oth	er NA
Floatables		Trash		ıbbles/Foam	Sheen		ecal Matter	Oth	
Deposits	None	X Sediment/Gra		ne Particulates	Stains	C	oily Deposits	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	***************************************
Vegetation	·	Limited	***************************************	ormal	Excessive			Oth	***************************************
Biology	X None	Insects	Algae	Fish Snai		Insect Algae	/ Inse	ect/ Oth	er
Water Flo	w Flo	wing Pond	ed X Dr	y Tidal					
Does the s	torm drain flov	v reach the Rec	eiving Wate	er?	Yes	No	X N/A		
Evidence o	of Overland Flo	ow?	res X No	Irrigation	Runoff Other	•			
Photo Tak	ken x Yes	No I	Photo #		TO THE RESIDENCE OF THE PARTY O				The second secon
Field Scree	ning Samples C	Collected?	Yes X No)					
Water Ten			N (mg/L)		NO3-N (mg/L)			10- PO 4 (mg/L)	
pH (pH units	3)	TUR	B (NTU)		COND (mS/cm)			ctive-P (mg/L)	
Analytical	l Lab Samples (Collected?	Yes	X No			MB	AS (mg/L)	
	STIMATION W			ng a Rottle or	Known Volume	· · ·		Flowing Pi	ne
Width	5 CIECK OF DUX	ft	Volume	is a Dottie UI	mL		Diameter	TIOWING FI	ft
Depth		ft	Time to Fi	11	sec		Depth		ft
Velocity		ft/sec	Flow		gpm		Velocity		ft/sec
Flow	Dry	gpm					Flow		gpm

COMMENTS: Site is now located in the west wing parking area, due to the recent additions to the parking area.

		Dry	weati	ier Monii	oring Fiel	a Dai	asn	eet		<u></u>
		X Routine Investi	gation		IC/ID Fo	ollow-U	p For			
GENERAI	L SITE DESCRI	PTION		(NAD	83 decimal degrees	to 5th pla	ace)			
Site ID	C-B08-8			Latitude	32.73126		W	Hydrolog	gic Unit	908
Location	Manhole near So	outhwest Airlines, (Gate 1	Longitude	-117.19582		Watershed	Hydrolog	ric Area	908.2
					1288 F1		shed		gic Subarea	908.21
Date	08/10/06			TB Page	1200 F1			(Optional	<u> </u>	906.21
Time	9:35am			Observer	RS, MF			charge Are tional)	a	
Land Use (Check one	•	Residential	Com	mercial x l	ndustrial A	Agricult	ural	Parks	C)pen
	(Secondary) greater than 10%)	Residential	Com	mercial	Industrial A	Agricult	ural	Parks	Open	x None
Conveyan (Check one		x Manhole	Catch	Basin O	utlet Conc Channe			Natural eek	Earthen Channel	Curb/Gutt
ATMOSP	HERIC CONDI	TIONS								
Weather	Sunny	X Partly Cloudy	Ove	rcast Fog						
Tide	N/A	Low	x Inco	ming Hig	h O	utgoing		Tide Hei	ght: 3.3 ft.	
Last Rain	x > 72 hours	< 72 hours								
Rainfall	x None	< 0.1"	> 0.	1**						
RUNOFF	CHARACTERI	STICS								
Odor	X None	Musty	Rot	tten Eggs	Chemical		Sewa	ıge	Othe	er
Color	X None	Yellow		own	White	***************************************	Gr	ay	Othe	er
Clarity	X Clear		Sliį	ghtly Cloudy	Opaque				Othe	er
Floatables	s X None	Trash	Bul	bbles/Foam	Sheen		Fe	cal Matter	Othe	er
Deposits	X None	Sediment/Gravel	Fin	e Particulates	***************************************		Oi	ly Deposits		***************************************
Vegetation		Limited		rmal	Excessive			de de la composição de la	Othe	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Biology	X None	Insects Alga	ae I	Fish Snai	ls Mussels Barnacles	/ Ir Alg	isect/	Inse Snail	ect/ Othe	er
Water Flo	w Flow	ing x Ponded	Dry	x Tidal						
Does the s	storm drain flow	reach the Receivin	ng Wate	r?	Yes	No	Х	N/A		
Evidence	of Overland Flov	w? Yes	x No	Irrigation	Runoff C	ther:				
Photo Tal	ken x Yes	No Photo	o #							
			- ~							
Field Scree Water Ten	ening Samples Co	ollected? X Yes NH3-N (mg	No e/L) NT		NO3-N (mg/L)	NT		Orth	0-PO ₄ (mg/L)	NT
pH (pH units		TURB (NT			COND (mS/cm				ctive-P (mg/L)	111
Pri (bu mue	3) 141	TORD (N)) [141		L COLLE (1113/CIII	, , , , ,	J 7		$\frac{\partial U V C - \Gamma \left(\operatorname{lilg}/L \right)}{\operatorname{AS} \left(\operatorname{mg/L} \right)}$	NT
Analytica	l Lab Samples C	ollected?	Yes	x No					20 (2.8 2)	
	STIMATION Wo		Fillin	g a Bottle or	Known Volun	 ne			Flowing Pi	
Width			lume		mL] [Diameter		ft
Depth		ft Tir	ne to Fil		sec			Depth		ft
Velocity		ft/sec Flo)W		gp	m		Velocity		ft/sec
Flow	Ponded	gpm						Flow		gpm

COMMENTS: Opened manhole and used pump to collect sample. High conductivity indicates seawater. No flow observed.

			D.	ry wea	ther M	.01110	oring Fi	eia Da	ıasıı	eeı			
		X Routi	ne Inv	estigation	l		IC/ID	Follow-U	p For	•		•	
GENERAI	SITE DESCRI	IPTION				(NAD	83 decimal deg	rees to 5th p	lace)				
Site ID	C-B08-8A				Latitud		32.73275		T	Hydrol	ogic Unit		908
Location	Grated inlet in t	front of G	ate 5		Longit	ude	-117.1954	4	Watershed	Hydrol	ogic Area		908.2
Date	08/10/06				TB Pag	ge	1288 F1		hed	Hydrol (Option	ogic Subar	ea	908.21
Time	9:26am				Observ	ver	MF, RS		1	charge A		T	
Land Use (Re	sident	ial Co	mmercial	x I	ndustrial	Agricult		tional) Parks		Ope	en
	Secondary) greater than 10%) Re	sident	ial Co	mmercial]	Industrial	Agricult	ural	Parks	Oper	n x	None
Conveyand (Check one		Ma	ınhole	x Cate	h Basin	Oı	ILIGI	oncrete nnel		Natural eek	Earthen Channel	1	Curb/Gutte
ATMOSPI	HERIC CONDI	TIONS											
Weather	Sunny	X Partl	y Clou	ıdy Ov	/ercast	Fog							
Tide	x N/A	Low			coming	Hig		Outgoing		Tide H	eight:	ft.	
Last Rain	x > 72 hours	< 72	hours	41 Martini dan biladi. Mana banjanana arawa	······································		***************************************	_					
Rainfall	x None	< 0.1	**	> (0.1"								
RUNOFF	CHARACTERI	STICS			rin Ork Lorman Jackson								
Odor	None	Musty		R	otten Eggs	S	Chemi	cal	Se	wage	x (Other	NA
Color	None	Yellow		***************************************	rown		White	***************************************	Gr	***************************************	**************************************	Other	NA
Clarity	Clear			S	lightly Clo	oudy	Opaqu	e	***************************************		X (Other	NA
Floatables	X None	Trash		В	ubbles/Fo	am	Sheen	the Hillian best for the best did bedress for the colonidate	Fe	cal Matte	r	Other	
Deposits	X None	Sedimer	nt/Grav	el F	ine Particu	ılates	Stains		Oi	ly Deposi	ts	Other	
Vegetation	X None	Limited	1	N	Iormal		Excess	ive			200 Per 100 Pe	Other	
Biology	X None	Insects		Algae	Fish	Snail	s Musse Barnacl		nsect/	In Sna		Other	
Water Flo	w Flow	ing	Ponde	d XD	rv T	idal					Harris Ha		Of the Hort Small And Passassassas Carpes and American States
***************************************	orm drain flow			***************************************			Yes	No	X	N/A			
Evidence o	of Overland Flow	w?	Y	es X No) Irris	ation	Runoff	Other:					
Photo Tak	en x Yes	No	Pl	hoto #			anne language green an ann an Air			***************************************			T (T (T (T (T (T (T (T (T (T (
Field Screen	ning Samples Co	ollected?	Y	es XN	To								
Water Tem				(mg/L)	-		NO3-N (mg/	L)		Or	tho-PO4 (mg/	L)	
pH (pH units)	<u> </u>		TURB				COND (mS				active-P (mg.		
Analytical	Lab Samples C	ollected?		Yes	X No					M	BAS (mg/L)		
	TIMATION W		EETS	TREFUE	na o 10 -441	lo o 1	V nov *7 - *				T78 *	D:-	
Width	Creek or Box (ft		Volume	mg a Bott	ie or l	Known Vol	mL	7	Diameter	Flowing	z ripe	ft
Depth		ft	- 	Time to F	ill			sec		Depth			ft
Velocity		ft/sec	7	Flow				gpm	→ ←	Velocity			ft/sec
Flow	Dry	gpm	- -							Flow	-		gpm

COMMENTS: Filter fabric is still in place as a construction BMP. No surface runoff was observed to be flowing to the site.

		X Routine Ir	voctiontion		IC/ID Foll	ow.Us F.) P		
CENED A	r crare proces		ivesugation			-	DF		
	L SITE DESCR	IPTION		(NAD	83 decimal degrees to	5th place)			<u>r </u>
Site ID	C-B04-9			Latitude	32.72796	₩a	Hydrolo	gic Unit	908
Location	Grated inlet outs beacon, west of			Longitude	-117.18047	Watershed	Hydrolo	gic Area	908.2
Date	08/10/06			TB Page	1288 H1		(Optiona		908.21
Time	8:15am			Observer	RS, MF		scharge Ar ptional)	ea	
Land Use (Check one		Resider	ntial Com	nmercial x I	ndustrial Ag	ricultural	Parks	C)pen
	(Secondary) greater than 10%	Resider	ntial Con	nmercial	Industrial Ag	ricultural	Parks	Open	x None
Conveyan (Check one		Manhol	e x Catch	Basin O	utlet Concre Channel		Natural Creek	Earthen Channel	Curb/Gutt
ATMOSP	HERIC COND	ITIONS							
Weather	Sunny	x Partly Clo	udy Ove	rcast Fog					
Tide	N/A	Low	x Inco		A ALADAMAN MANAGAMAN	going	Tide He	ight: 1.5 ft.	
Last Rain	x > 72 hours	< 72 hour	S						
Rainfall	x None	< 0.1"	> 0.	1"					
RUNOFF	CHARACTER	ISTICS		PARTICIPATION AND AND AND AND AND AND AND AND AND AN					
Odor	X None	Musty		tten Eggs	Chemical		ewage	Othe	_
Color	X None	Yellow		own	White	(Gray	Othe	
Clarity	X Clear	T1-	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ghtly Cloudy	Opaque	······································		Othe	
Floatables		x Trash x Sediment/Gra		bbles/Foam	Sheen		ecal Matter	Othe	
Deposits Vegetation	None n x None			e Particulates	Stains		Dily Deposit	w	
Biology	x None	Limited	***************************************	rmal	Excessive S Mussels/	Tmana		Othe sect/ Othe	***************************************
Diology	A NOILE	Insects	Algae	Fish Snai	Barnacles	Insec Algae	Snail		
Water Flo	w Flor	wing x Pond	ed Dry	x Tidal	OF MODERNATURE OF THE PROPERTY	of Parameters of State of Town Set State Set St. Set State Set St.	01111400111111111111111111111111111111		
Does the s	torm drain flov	v reach the Re	ceiving Wate	r?	Yes	No	x N/A		
Evidence of	of Overland Flo	ow?	Yes x No	Irrigation	Runoff Oth	er:			
Photo Tak	ken x Yes	······································	Photo #		ARIMANIMANIMANIMA				
	ning Samples C	Collected? x							
Water Ten			N (mg/L) N		NO3-N (mg/L)	NT		ho-PO4 (mg/L)	NT
pH (pH units	s) <u>NT</u>	TUR	B (NTU) N		COND (mS/cm)	39,753		ctive-P (mg/L)	
Analytical	l Lab Samples (Collected?	Yes	x No			MB	AS (mg/L)	NT
	STIMATION W g Creek or Box			g a Bottle or	Known Volume			Flowing Pip	œ
Width		ft	Volume		mL		Diameter		ft
Depth		ft	Time to Fil	1	sec		Depth		ft
F									
Velocity		ft/sec	Flow		gpm		Velocity		ft/sec

COMMENTS: Very shallow, ponded tidal water.

			Diy wea	ther whom	toring riciu D	atasn	cci		
		X Routin	e Investigation		IC/ID Follow	Up For	r		
GENERAL	L SITE DESCRI	IPTION		(NAD	83 decimal degrees to 5th	place)			
Site ID	C-B04-9A			Latitude	32.72783	Wa	Hydrolog	gic Unit	908
Location	Concrete channel Harbor and Laure		B04-9, west of	Longitude	-117.18051	Watershed	Hydrolog	gic Area	908.2
Date	08/10/06			TB Page	1288 H1		Hydrolog (Optional	gic Subarea	908.21
Time	8:11am			Observer	RS, MF		charge Are tional)	a	
Land Use (Check one	•	Resi	idential Co	mmercial x l	industrial Agric		Parks	. ()pen
	(Secondary) greater than 10%	Resi	idential Co	mmercial	Industrial Agrico	ıltural	Parks	Open	x None
Conveyand (Check one		Mar	ihole x Catcl	n Basin O	utlet Concrete Channel		Natural reek	Earthen Channel	Curb/Gutter
ATMOSP	HERIC CONDI	TIONS							
Weather	Sunny	x Partly	Cloudy Ov	ercast Fog					
Tide	N/A	Low	x Inc	oming Hig		ng	Tide Heig	ght: 1.5 ft.	
Last Rain	x > 72 hours	< 72 h	ours	e de la companya de l				***************************************	i (f. f. f. i Peril Gererote (f. generoten la la sala angle en en es es es es este en este en este en este en
Rainfall	X None	< 0.1"	> (0.1"					
RUNOFF	CHARACTERI	ISTICS		and the second s					
Odor	X None	Musty	R	otten Eggs	Chemical	Se	wage	Oth	er
Color	X None	Yellow	В	rown	White	Gı	ay .	Oth	er
Clarity	X Clear		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	lightly Cloudy	Opaque			Oth	er
Floatables	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	x Trash		ubbles/Foam	Sheen		cal Matter	Oth	er
Deposits		x Sediment		ine Particulates	Stains	Oi	ly Deposits	Oth	er
Vegetation		x Limited		ormal	Excessive			Oth	
Biology	x None	Insects	Algae	Fish Snai		Insect/ lgae	Inse Snail	ect/ Oth	er
Water Flo	w Flow	ving x P	onded Dr	y x Tidal					
Does the s	torm drain flow		ANNOUNCE PRODUCT PRODUCT PROGRAMMENT AND ANNOUNCE PROPERTY PROCESSARIANT AND ANNOUNCE PROPERTY PROCESSARIANT AND ANNOUNCE PROCESS		Yes N	lo x	N/A		
Evidence o	of Overland Flo	w?	Yes x No	Irrigation	Runoff Other:				
Photo Tak	en x Yes	No	Photo #	OTONIA MARIANTA					13 T.
Field Scree	ning Samples Co	ollected?	xYes No						
Water Ten			H3-N (mg/L) N	T	NO3-N (mg/L)	T	Ortho	O-PO4 (mg/L)	NT
pH (pH units	*		-	T		0,343		tive-P (mg/L)	
Analytical	Lab Samples C	Collected?	Yes	x No			MBA	AS (mg/L)	NT
FLOW ES	TIMATION W	ORKSHE	ETS		V			Dia	
Width	g Creek or Box (ft	Volume	ng a Bottle or	Known Volume mL		Diameter	Flowing Pi	pe ft
Depth		ft	Time to F	111	sec sec	-	Depth Depth		ft
Velocity		ft/sec	Flow		gpm	$\dashv \mid$	Velocity		ft/sec
Flow	Ponded	gpm	 		or -	\dashv \vdash	Flow		gpm

COMMENTS: Ponded water was shallow at the time of sampling. South end of channel had more moisture than the north side.

		X Routine Investigation		IC/ID Follo	ow-Up Fo			
GENERAL	L SITE DESCR	RIPTION	(NAD	83 decimal degrees to	5th place)			
Site ID	C-B01-1		Latitude	32.7325	W	Hydrologic	Unit	908
Location	Grated inlet insi Jim's Air, north	de zipper line, just west of of runway 9/27	Longitude	-117.1797	Watershed	Hydrologic	Area	908.2
Date	05/21/07		TB Page	1288 H1		Hydrologic (Optional)	Subarea	908.21
Time	09:20		Observer	MF, DK		charge Area tional)		
Land Use ((Check one		Residential Cor	nmercial x I	ndustrial Ag	ricultural	Parks	O	pen
	Secondary) greater than 10%	%) Residential Con	nmercial I	Industrial Ag	ricultural	Parks	Open	x None
Conveyand (Check one		Manhole x Catch	Basin Ou	utlet Concre Channel			Earthen annel	Curb/Gutte
ATMOSPI	HERIC COND	ITIONS						
Weather	Sunny	Partly Cloudy x Ove	rcast Fog	ттогонициницина				
Tide	N/A	Low x Inco	·····	THE PROPERTY OF THE PARTY OF TH	going	Tide Height	. Λ 1 6	
Last Rain	x > 72 hours		illing 111gi	u Ouig	zomg	riue neigni	: U.1 II.	
Rainfall	x None	<0.1" > 0.	1"					
	CHARACTER		I.					
Odor	X None	Musty Ro	tten Eggs	Chemical	Ser	wage	Othe	r
Color	None		own	White	Gra		Othe	
Clarity	X Clear	**************************************	ghtly Cloudy	Opaque		± y	Othe	·
Floatables	X None	***************************************	bbles/Foam	X Sheen (dirt)	Fed	al Matter	Othe	
Deposits	None		ne Particulates	Stains		y Deposits	Othe	
Vegetation	X None	Limited No	rmal	Excessive		<u> </u>	Othe	
Biology	X None	Insects Algae	Fish Snail		Insect/	Insect/	Othe	**************************************
	минительного подавания под			Barnacles	Algae	Snail		
Water Flor	v Flov	wing X Ponded Dry	<u>Tidal</u>					
						THE PERSON NAMED IN THE PE		
Does the st	orm drain flow	v reach the Receiving Wate	r?	Yes	No X	N/A		
		The state of the s				N/A		
Evidence o	f Overland Flo	w? Yes X No	r? Irrigation			N/A	and the same and t	Manager and American
Evidence o	f Overland Flo	The state of the s				N/A		
Evidence o Photo Take ield Screen	f Overland Floen x Yes	No Photo #	Irrigation	Runoff Othe	т:	N/A		
Evidence o Photo Take Sield Screen Water Tem	en x Yes ing Samples C	ve? Yes X No No Photo # collected? X Yes No NH3-N (mg/L) 0.3	Irrigation	Runoff Othe	T:	Ortho-P		0.2
Evidence o Photo Take Sield Screen Water Tem	en x Yes ing Samples C	No Photo #	Irrigation	Runoff Othe	т:	Ortho-Po	e-P (mg/L)	0.0652
Evidence o Photo Take Tield Screen Water Tem pH (pH units)	en x Yes ing Samples C	No Photo # follected? X Yes No NH3-N (mg/L) 0.3 TURB (NTU) 1.8	Irrigation	Runoff Othe	T:	Ortho-P	e-P (mg/L)	
Evidence o Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW ES	ing Samples Co (°C) 20.4 8.05 Lab Samples C	No	Irrigation No	NO3-N (mg/L) COND (mS/cm)	T:	Ortho-Po Reactive MBAS (e-P (mg/L) mg/L)	0.0652 0.50
Evidence o Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW ES	en x Yes ing Samples C p (°C) 20.4 8.05 Lab Samples C	No	Irrigation No	Runoff Othe NO3-N (mg/L) COND (mS/cm)	1.0 1.113	Ortho-Po Reactive MBAS (e-P (mg/L)	0.0652
Evidence o Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW ES' Flowing Width	ing Samples Co (°C) 20.4 8.05 Lab Samples C	No	Irrigation No g a Bottle or F	Runoff Othe NO3-N (mg/L) COND (mS/cm) Known Volume mL	1.0 1.113	Ortho-Po Reactive MBAS (e-P (mg/L) mg/L)	0.0652 0.50
Evidence o Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW ES	ing Samples Co (°C) 20.4 8.05 Lab Samples C	No	Irrigation No g a Bottle or F	Runoff Othe NO3-N (mg/L) COND (mS/cm)	1.0 1.113	Ortho-Po Reactive MBAS (e-P (mg/L) mg/L)	0.0652

COMMENTS: Water was very yellow, but clear. No evidence of runoff in immediate vicinity or causes of yellow color.

		Diy	weath	ei Mioiii	oring Field	u Data	sne	et		
		X Routine Inves	tigation		IC/ID Fo	llow-Up	For			
GENERAL	L SITE DESCRI	PTION	· ·	(NAD	83 decimal degrees	to 5th place	2)			
Site ID	C-B03-2			Latitude	32.7286		W ₂	Hydrologic	Unit	908
Location		e of zipper line, sour		Longitude	-117.1784		Watershed	Hydrologic	Area	908.2
Date	05/21/07			TB Page	1288 H1			Hydrologic (Optional)	Subarea	908.21
Time	08:44			Observer	MF, DK		Disch	narge Area onal)	:	
Land Use (Check one		Residential	Comn	nercial x I	ndustrial A	gricultur		Parks	C)pen
	(Secondary) greater than 10%)) Residential	Comn	nercial I	Industrial A	gricultur	al	Parks	Open	x None
Conveyand (Check one		Manhole	x Catch B	asin Oı	utlet Conci Channe		N Cre		Earthen nannel	Curb/Gutte
ATMOSP	HERIC CONDI	TIONS								
Weather	Sunny	Partly Cloudy	x Over	ast Fog	THE THE PERSONAL PROPERTY CONTRACTOR AND ADDRESS TO					
Tide	N/A	Low	x Incom		******************************	itgoing		Tide Heigh	t: -0 1 ft	
Last Rain	X >72 hours	< 72 hours		6 1116	u Ou	ugomg		riac ricign	•• -V.1 1t	The second secon
Rainfall	x None	< 0.1"	> 0.1"	THE SECTION AND ADDRESS OF THE SECTION ADDRESS OF THE S						
l terroles M (ed l) erannan'i mashketaning (p vapqqan,	CHARACTERI		<i>></i> 0.1	a kanaga PP, akrysanskia						
Odor	None	Musty	Rotte	en Eggs	Chemical		Sew	200	x Othe	r salty
Color	x None	Yellow	Brow		White	·····	Gray		Othe	
Clarity	x Clear			tly Cloudy	Opaque		Oiu		Othe	******************************
Floatables	X None	Trash		les/Foam	Sheen		Feca	ıl Matter	Othe	
Deposits	None	x Sediment/Gravel	***************************************	Particulates	Stains			Deposits	Othe	
Vegetation	***************************************	Limited	Norn	**********************	Excessive	***************************************	Ony	Берозна	Othe	
Biology	X None	Insects Alg		*******************************		Inse	ct/	Insect/		***************************************
					Barnacles	Algae		Snail	Ouic	I
Water Flo	w Flow	ing x Ponded	Dry	Tidal	711V-10-10-10-10-10-10-10-10-10-10-10-10-10-					The state of the s
Does the st	torm drain flow	reach the Receivi	ng Water?		Yes	No	x N	I/A		
Evidence o	of Overland Flow	v? Yes	x No	Irrigation	Pupoff Otl	her:		PERSONAL PROPERTY OF SERVICE AND ADMINISTRATION		
				niiganon	Kunon Ou	iici .		· · · · · · · · · · · · · · · · · · ·		
Photo Tak	en x Yes	No Phot	o#		And the latest the lat					
iold Coroor	ning Samples Co	Haatada v Vas	Nie							
Water Tem		llected? x Yes NH3-N (n	No ng/L) NT		NO3-N (mg/L)	NT		Ortho D	O ₄ (mg/L)	NIT
pH (pH units)		TURB (N			COND (mS/cm)	41,403	<u> </u>		e-P (mg/L)	NT
	Lab Samples Co		Yes x l		COTTO (MS/cm)	1 41,402	<u>, </u>	MBAS		NT
	TIMATION WO									
Flowing	Creek or Box C			a Bottle or I	Known Volume				lowing Pip	e
		1.6 1 1 3.7	olume	1	mL		D	iameter		ft
Width		~ 								11
Width Depth		ft Ti	me to Fill		sec		D	epth		ft
Width	Ponded	ft Ti					De Ve			

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: <u>Site is tidally influenced. High conductivity indicates seawater.</u>

			Diy w	eau	ier Moni	toring r	ieid Dai	asn	eet		
			X Routine Investiga	tion		IC/II	D Follow-U	p For			
Capacition Capacitic C	GENERAI	L SITE DESCR	IPTION		(NAD	83 decimal de	egrees to 5th pl	ace)			
Time 11:16	Site ID	C-B05-3							Hydrologic	Unit	908
Time 11:16	Location	Grated inlet in G	D lot		Longitude	-117.183	1	iters	Hydrologic	Area	908.2
Time	Date	05/21/07			TB Page	1268 H7	***************************************	hed		Subarea	908.21
Check one only	Time	11:16			Observer	MF, DK			harge Area		
Conveyance Con			Residential	Com	mercial x	Industrial	Agricult	<u> </u>	· · · · · · · · · · · · · · · · · · ·		Open
Check one only) Residential	Com	mercial	Industrial	Agricult	ıral	Parks	Open	x None
Sunny			Manhole x (Catch E	Basin O	uriet					Curb/Gutt
Tide N/A Low x Incoming High Outgoing Tide Height: 1.6 ft. Last Rain x > 72 hours < 72 hours Incompleted in the light of the light in the last of the las	ATMOSP	HERIC CONDI	TIONS								
Tide N/A Low x Incoming High Outgoing Tide Height: 1.6 ft. Last Rain x > 72 hours < 72 hours	Weather	Sunnv	Partly Cloudy	(Over	east Foo	***************************************					
Rainfall	······					***************************************	Outgoing		Tide Height	t: 16ft	
Rainfall x None <0.1" > 0.1" > 0.1"		***************************************		1 111001	1115	,11	Outgoing		Tide Height	i. 1.0 II.	31) - Halle -
Color				> 0.1	***						
Color x None Yellow Brown White Gray Other Clarity x Clear Slightly Cloudy Opaque Other Floatables None X Trash Bubbles/Foam Sheen Fecal Matter Other Deposits None X Sediment/Gravel Fine Particulates Stains Oily Deposits Other Vegetation X None Limited Normal Excessive Other Biology X None Insects Algae Fish Snails Mussels/ Insect/ Other Biology X None Insects Algae Fish Snails Mussels/ Insect/ Other Biology X None Insects Algae Fish Snails Mussels/ Insect/ Other Barnacles Algae Snail Water Flow Flowing X Ponded Dry Tidal Does the storm drain flow reach the Receiving Water? Yes No X N/A Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo # Vield Screening Samples Collected? x Yes No Water Temp (C) 20.2 NH3-N (mg/L) 0.1 NO3-N (mg/L) 0.8 Ortho-PO4 (mg/L) 0.6 pH (pH units) 8.1 TURB (NTU) 5.9 COND (mS/cm) 1,458 Reactive-P (mg/L) 0.1956 MBAS (mg/L) 0.25 Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width fights Flowing Pipe Diameter fights fights or fine Depth fights	RUNOFF	CHARACTERI	STICS		torrest constant, and						
Color	Odor	x None	Musty	Rott	en Eggs	Chem	ical	Sev	vage	Othe	er
Clarity x Clear Slightly Cloudy Opaque Other Floatables None X Trash Bubbles/Foam Sheen Fecal Matter Other Deposits None X Sediment/Gravel Fine Particulates Stains Oily Deposits Other Vegetation X None Limited Normal Excessive Other Biology X None Insects Algae Fish Snails Mussels/ Barnacles Algae Snail Water Flow Flowing X Ponded Dry Tidal Does the storm drain flow reach the Receiving Water? Yes No X N/A Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo # Vield Screening Samples Collected? x Yes No Water Temp (*C) 20.2 NH3-N (mg/L) 0.1 NO3-N (mg/L) 0.8 Ortho-PO4 (mg/L) 0.6 pH (pH units) 8.1 TURB (NTU) 5.9 COND (mS/cm) 1.458 Reactive-P (mg/L) 0.1956 MBAS (mg/L) 0.25 Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culver Filling a Bottle or Known Volume Flowing Pipe Width ft Ooder Flow Receiving Received Receiving Received Re	Color	x None	Yellow			White	<u>,</u>	***************************************			***************************************
Property	Clarity	x Clear	у подавания до под	Slig	htly Cloudy	Opaqı	ue	tule-servers surress surre			
Deposits None X Sediment/Gravel Fine Particulates Stains Oily Deposits Other	Floatables	None	X Trash	······		······································	***************************************	Fec	al Matter		
Vegetation X None Limited Normal Excessive Other	Deposits	None	X Sediment/Gravel	Fine	Particulates	Stains					e
Biology X None Insects Algae Fish Snails Mussels/ Insect/ Insect/ Other Barnacles Algae Snail Water Flow Flowing X Ponded Dry Tidal Does the storm drain flow reach the Receiving Water? Yes No X N/A Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo # Cield Screening Samples Collected? x Yes No Water Temp (°C) 20.2 NH3-N (mg/L) 0.1 NO3-N (mg/L) 0.8 Ortho-PO4 (mg/L) 0.6 pH (pH units) 8.1 TURB (NTU) 5.9 COND (mS/cm) 1,458 Reactive-P (mg/L) 0.1956 MBAS (mg/L) 0.25 Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Ovolume mL Time to Fill sec Depth ft Velocity Roaded Flow: Flow gpm	Vegetation	X None	Limited	Nor	mal	Exces	sive				
Water Flow Flowing X Ponded Dry Tidal Does the storm drain flow reach the Receiving Water? Yes No X N/A Evidence of Overland Flow? Yes X No Irrigation Runoff Other: Photo Taken x Yes No Photo # Velecting Samples Collected? x Yes No Water Temp (°C) 20.2 NH3-N (mg/L) 0.1 NO3-N (mg/L) 0.8 Ortho-PO4 (mg/L) 0.6 pH (pH units) 8.1 TURB (NTU) 5.9 COND (mS/cm) 1,458 Reactive-P (mg/L) 0.1956 Analytical Lab Samples Collected? Yes X No Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Volume mL Diameter Diameter Depth ft Velocity ft/sec Flow gpm Velocity Flowing Pipe	Biology	X None	Insects Algae	F	ish Snai	ls Mus	sels/ In	sect/			
Does the storm drain flow reach the Receiving Water? Yes No X N/A	Water Flo	T1	V Dondad		PR* 1 1	Barnac	les Alg	ne	Snail		
Photo Taken x Yes No Photo #		INTERNATION OF THE PROPERTY OF		·	****	Vas	No	v	NI/A		
Photo Taken x Yes No Photo # Rield Screening Samples Collected? x Yes No Water Temp (°C) 20.2 NH3-N (mg/L) 0.1 NO3-N (mg/L) 0.8 Ortho-PO4 (mg/L) 0.6 pH (pH units) 8.1 TURB (NTU) 5.9 COND (mS/cm) 1,458 Reactive-P (mg/L) 0.1956 MBAS (mg/L) 0.25 Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Volume mL Diameter ft Depth ft Time to Fill sec Depth ft Flow pn-dod pm Velocity ft/sec Flow pn-dod pm Velocity pn-dod Flow pn-dod pm Velocity pn-dod Flow pn-dod pm Velocity pn-dod Flow pn-dod pm Pn-dod Flow pn-dod pm Velocity pn-dod Flow pn-dod pm Velocity pn-dod Flow pn-dod pm Velocity pn-dod Flow pn-dod pm			TO PETER OF IT OPPOSED IN A SPECIAL SPECIAL PROPERTY PROSESSING THE TITLE DESCRIPTION OF A SPECIAL SPE			Y-110-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	The transfer of the state of th	Λ	N/A		
Value Time to Fill Flow Flow in Flow i	Evidence o	of Overland Flor	w? Yes	X No	Irrigation	Runoff	Other:		All		
Water Temp (°C) 20.2 NH3-N (mg/L) 0.1 NO3-N (mg/L) 0.8 Ortho-PO4 (mg/L) 0.6 pH (pH units) 8.1 TURB (NTU) 5.9 COND (mS/cm) 1,458 Reactive-P (mg/L) 0.1956 MBAS (mg/L) 0.25 Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Volume mL Diameter ft Depth ft Time to Fill sec Depth ft Velocity Flow gpm Velocity ft/sec	Photo Tak	en x Yes	No Photo #								
Water Temp (°C) 20.2 NH3-N (mg/L) 0.1 NO3-N (mg/L) 0.8 Ortho-PO4 (mg/L) 0.6 pH (pH units) 8.1 TURB (NTU) 5.9 COND (mS/cm) 1,458 Reactive-P (mg/L) 0.1956 MBAS (mg/L) 0.25 Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Volume mL Diameter ft Depth ft Time to Fill sec Depth ft Velocity Flow gpm Velocity ft/sec	ield Scree	ning Samples Co	ollected? v Ves	No			•				
PH (pH units) 8.1 TURB (NTU) 5.9 COND (mS/cm) 1,458 Reactive-P (mg/L) 0.1956 MBAS (mg/L) 0.25 Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pipe Width ft Time to Fill sec Depth ft Velocity Ponded Ponded Flow Bonded Flow Spm						NO3-N (ma	/L) 0.8		Ortho-P	O4 (mg/L)	0.6
Analytical Lab Samples Collected? Yes X No FLOW ESTIMATION WORKSHEETS Flowing Creek or Box Culvert Width ft Volume mL Diameter ft Depth ft Time to Fill sec Depth ft Flow gpm Velocity Flow Ponded Ponded Flow Depth ft Time to Fill Flow Flow ft/sec	pH (pH units)	8.1						8			
Flowing Creek or Box Culvert Width Depth Fit Volume Time to Fill Flow Flow Flow Flow Flow Flow Flow Fl	Analytical	Lab Samples C	ollected? Ye	s X	. No						
Width ft Volume mL Diameter ft Depth ft Time to Fill sec Depth ft Velocity ft/sec Flow gpm Velocity ft/sec											
Depth ft Time to Fill sec Depth ft Velocity Flow gpm Velocity ft/sec		Creek or Box (a Bottle or	Known Vo		1		lowing Pip	
Velocity ft/sec Flow gpm Velocity ft/sec								ļ ļ			
Flow Bonded	 			to Fill							
Flow Ponded gpm	Flow	Ponded	gpm FIOW				gpm	· -	low		

COMMENTS: Water truck in the vicinity. Ponded water was too shallow to obtain a sample for laboratory analysis.

		X Routine	Investigatio	n		IC/II	Follow-U	J p Fo r	•		
GENERAL	L SITE DESCR	IPTION			(NAD 8	33 decimal deg	grees to 5th p	lace)			
Site ID	C-B05-4			Latitud	de	32.7306		Wa	Hydrologic	Unit	908
Location	Grated inlet insid runway 9/27, nor			Longit	ude	-117.1830)	Watershed	Hydrologic	Area	908.2
Date	05/21/07			TB Pag	ge	1288 H1		T EL	Hydrologic (Optional)	Subarea	908.21
Time	08:28			Observ	ver	MF, DK			charge Area		
Land Use (Check one		Resid	ential C	ommercial	x I	ndustrial	Agricult		Parks	0	pen
	(Secondary) greater than 10%	Resid	ential C	ommercial	I	ndustrial	Agricult	tural	Parks	Open	x None
Conveyand (Check one		Manh	ole x Cato	ch Basin	Ou	mer	oncrete innel			Earthen nannel	Curb/Gutter
ATMOCDI	HERIC CONDI	TIONG									
***************************************	**************************************		2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		~~~	sociolis ama a sotti ilita sott					
Weather	Sunny	Partly C		vercast	Fog	there was the same of the same					
Tide	N/A	Low	·	coming	High	1	Outgoing	5	Tide Heigh	t: -0.2 ft.	11 PA 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Last Rain	x > 72 hours	< 72 ho	~								
Rainfall	x None	< 0.1"	>	0.1"							
RUNOFF	CHARACTERI	ISTICS									
Odor	None	Musty]	Rotten Eggs	3	Chemi	cal	Se	wage	X Othe	r NA
Color	None	Yellow]	Brown		White		Gr	ay	X Othe	r NA
Clarity	Clear	W177111WWW.17711117WWW.1441144WW.1474144	\$	Slightly Clo	oudy	Opaqu	e			X Othe	r NA
Floatables	X None	Trash	·······	Bubbles/Fo	am	Sheen		Fee	cal Matter	Othe	ľ
Deposits	None	X Sediment/C	Gravel I	Fine Particu	ılates	Stains	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Oil	y Deposits	Othe	r
Vegetation		Limited	<u> </u>	Normal		Excess	sive			Othe	r
Biology	X None	Insects	Algae	Fish	Snail	s Muss Barnacl		nsect/	Insect/ Snail	Othe	r
Water Flo	w Flow	ing Poi	nded XI	Ory T	`idal	Darnaci	ies Aig	zac	Shan	THE STATE OF THE S	I PPO-1441 (PPY) PP I PROJECT AND GENOME PROGRAMMENT AND ENGINE THE ENGINE SAME
Does the st	orm drain flow		**************************************		mmy transmitted reserve	Yes	No	×	N/A		
	MARKET P. P. C.							Λ.	IVA		
Evidence o	of Overland Flo	W	Yes X N	o Irrig	gation	Runoff	Other:				0.537.577.6
Photo Tak	en x Yes	No	Photo #		***************************************	***************************************					
Field Screen	ning Samples Co	ollected?	Yes X1	Vo.							
Water Tem			3-N (mg/L)	10		NO3-N (mg/	1.)		Ortho-F	PO4 (mg/L)	
pH (pH units)			RB (NTU)			COND (mS				/e-P (mg/L)	
Analytical	Lab Samples C	ollected?	Yes	X No					MBAS		
	TIMATION W			2110							
	Creek or Box (ling a Bottl	e or K	nown Vol	ume		T	lowing Pip	e
Width		ft	Volume				mL	7 6	Diameter T		ft
Depth		ft	Time to I	Fill			sec		Depth		ft
Velocity		ft/sec	Flow				gpm		Velocity		ft/sec
Flow	dry	gpm						_	Flow		gpm

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: Site is dry – no evidence of any runoff. Filter fabric is still in place and in tact.

		X Routine I	nvestigation		IC/ID Fol	llow-Up For	•		
GENERA	L SITE DESCR	IPTION		(NAD	83 decimal degrees	to 5th place)			
Site ID	C-B06-5			Latitude	32.7358	W	Hydrologic U	Jnit	908
Location	Grated inlet so	utheast of conti	rol tower	Longitude	-117.1863	Watershed	Hydrologic A	rea	908.2
Date	05/21/07			TB Page	1268 G7	hed	Hydrologic S (Optional)	ubarea	908.21
Time	11:03			Observer	MF, DK		charge Area		<u></u>
Land Use (Check one		Resider	ntial Co	mmercial x l	ndustrial A	gricultural	Parks	0	pen
Optional,	(Secondary) greater than 10%	(b) Resider	ntial Co	mmercial	Industrial A	gricultural	Parks	Open	x None
Conveyand Check one		Manho	le x Catcl	n Basin O	utlet Concr Channel		Natural Ea eek Chai	irthen nnel	Curb/G
ATMOSP	HERIC CONDI	ITIONS							
Weather	Sunny	Partly Clo	oudy x Ov	ercast Fog	797/101111				
Γide	x N/A	Low		oming Hig	***************************************	tgoing	Tide Height:	1.5 ft	
Last Rain	x > 72 hours			oming mg	u Ou	igoing	ride Height.	1.3 11	
Rainfall	x None	< 0.1"		0.1"					
	CHARACTER			7. I					
Odor	None	Musty	R	otten Eggs	Chemical	Sev	vage	x Other	. NA
Color	None	Yellow	***************************************	rown	White	Gra		x Other	
Clarity	Clear	nappe (Albertania) de la Compania del Compania de la Compania de la Compania del Compania de la		ightly Cloudy	Opaque			x Other	
loatables	x None	Trash	***************************************	ubbles/Foam	Sheen	Fec	al Matter	Othe	F14 (3-47)-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
Deposits	None	x Sediment/Gra	***************************************	ne Particulates	Stains	~~~~	y Deposits	Other	~~~~
Vegetation	x None	Limited		ormal	Excessive	·	y Deposits	Othe	
Biology	x None	Insects	Algae	Fish Snail		Insect/ Algae	Insect/ Snail	Other	H
Water Flo	w Flow	ving Pond	led x Dr	y Tidal			***************************************	Helital horizonte de la composition della compos	
Does the st	torm drain flow		eiving Wat	***************************************	Yes	No x	N/A		
Evidence o	of Overland Flo	w? Y	es x No	Irrigation	Runoff Oth	ier:			
Photo Tak	en x Yes	No I	Photo #						
eld Scree	ning Samples Co	ollected?	Yes x No	•					
Vater Tem			N (mg/L)		NO3-N (mg/L)		Ortho-PO	4 (mg/L)	
H (pH units)			B (NTU)		COND (mS/cm)		Reactive-		
\nalvtical	Lab Samples C	'allected?	Yes	x No			MBAS (m		
	TIMATION W			, 110					
Flowing	Creek or Box	Culvert	Fillin	ng a Bottle or l	Known Volume			wing Pipe	1
Width		ft	Volume	11	mL		Diameter		ft
Depth Zologitu		ft	Time to Fi	li e	sec		Depth		ft
/elocity	Dry	ft/sec	Flow		gpm		Velocity Flow		ft/sec
·low		gpm							

		X Routine	Investigation	1	IC/ID Follo	w-Up For	•		
GENERAL	L SITE DESCRI	IPTION		(NAD	83 decimal degrees to	oth place)			
Site ID	C-B07-6			Latitude	32.7308	₹	Hydrologic l	Unit	908
Location	Inlet pipe in manl	hole west of A	A OWS	Longitude	-117.1932	Watershed	Hydrologic A	Area	908.2
Date	05/21/07			TB Page	1288 F1	hed	Hydrologic S (Optional)	Subarea	908.21
l'ime	13:43			Observer	MF, DK		charge Area tional)		
Land Use Check one	(Primary) conly)	Resid	ential Co	ommercial x l	Industrial Agri	cultural	Parks	O _I	pen
Optional,	(Secondary) greater than 10%) Resid	ential Co	ommercial	Industrial Agri	cultural	Parks	Open	x None
Conveyand Check one		Manh	ole x Cato	ch Basin O	utlet Concrete Channel			arthen innel	Curb/G
TMOSP	HERIC CONDI	TIONS							
Veather	Sunny	Partly C	loudy XO	vercast Fog					
'ide	x N/A	Low	······································	coming Hig	***************************************	oing	Tide Height:	2.0 ft.	
ast Rain	x > 72 hours	< 72 ho	urs		(),,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>			Anna Panner (14) protein Privillania pri anna anna ann
ainfall	x None	< 0.1"	>	0.1"					
UNOFF	CHARACTERI	STICS		The state of the s					
)dor	None	Musty	F	Rotten Eggs	Chemical	Sev	wage	X Other	. NA
Color	None	Yellow		Brown	White	Gra		X Other	
Clarity	Clear		S	lightly Cloudy	Opaque	************************		X Other	
loatables		Trash		Bubbles/Foam	Sheen	Fed	al Matter	Other	papaga panabaran badanan kata manar papaga
Peposits		X Sediment/C		ine Particulates	Stains	Oil	y Deposits	Other	***************************************
egetation		Limited	***************************************	Vormal	Excessive	**************************************		Other	
Biology	X None	Insects	Algae	Fish Snail		Insect/ Algae	Insect/ Snail	Other	
Vater Flo	w Flow	ing Poi	nded XD	ry Tidal	**************************************	1 Providence of the Sale of th	NI-Graferstorerennen want ammer.		
Ooes the st	orm drain flow	reach the R	eceiving Wa	ter?	Yes	No X	N/A		
Evidence o	of Overland Flow	v?	Yes X No	Irrigation	Runoff Other	•			
hoto Tak	en x Yes	No	Photo #	(1)		Charles to the state of the sta	**************************************		ACTIVATE TO THE PARTY OF THE PA
					MATERIAL PROPERTY AND A STREET PROPERTY AND				<u>,</u>
eld Screer Vater Tem	ning Samples Co		$\frac{\text{Yes}}{\text{3-N (mg/L)}}$	lo T	NO2 N / ~		0.4 50		T
H (pH units)			RB (NTU)		NO3-N (mg/L) COND (mS/cm)		Ortho-PC Reactive-		
(pri umas)	<u> </u>		(1110)		COND (ms/cm)		MBAS (n		
nalytical	Lab Samples Co	ollected?	Yes	X No				1910)	<u></u>
LOW ES	TIMATION WO	ORKSHEET	rs						
Flowing	Creek or Box C		Filli	ing a Bottle or I	Known Volume		Flo	owing Pipe	
Vidth		ft	Volume		mL		Diameter		ft
Pepth		ft	Time to F	ill	sec		Depth		ft
elocity low	D	ft/sec	Flow		gpm		Velocity		ft/sec
IUW .	Dry	gpm		1	1	1 F	Flow		gpm

						Datas				
		X Routine Investig	gation		IC/ID Follo	w-Up F	or		_	
GENERA!	L SITE DESCR	IPTION		(NAD	83 decimal degrees to	5th place)				
Site ID	C-B07-7			Latitude	32.7300		Hydr	ologic Unit	I	908
Location	Grated inlet at so west wing	outh of cargo area, west	of	Longitude	-117.1939	Watershed	Hydr	ologic Area		908.2
Date	05/21/07			TB Page	1288 F1	Ted	Hydro (Option	ologic Suba	rea	908.21
Time	07:59			Observer	MF, DK		ischarge .			
Land Use (Check one	• • •	Residential	Com	mercial x I	ndustrial Agr	ricultural	Optional) Parl	ks	Op	en
Land Use	(Secondary) greater than 10%	Residential	Com	mercial]	ndustrial Agr	icultural	Parl	ks Ope	en z	None
Conveyand (Check one	ce	eq (man, c) y p () () () () () () () () () (Catch 1	Basin O	ıtlet Concret Channel		Natural Creek	Earthe Channel	n	Curb/Gut
ATMOSP:	HERIC CONDI	TIONS								
Weather	Sunny	Partly Cloudy	x Over	cast Fog						
Tide	x N/A	Low		ming Hig	****************************	oing	Tide l	Height: -0.2	ft	
Last Rain	x > 72 hours	< 72 hours		1115	a A Odego	omg	1100 1	reight0.2	11.	TOTAL CHEMICAL STREET, SECTION AND AND AND AND AND AND AND AND AND AN
Rainfall	x None	< 0.1"	> 0.1	**						
Odor Color Clarity	None None Clear	Musty Yellow	Bro	ten Eggs wn ghtly Cloudy	Chemical White Opaque		Sewage Gray	X	Other Other Other	NA NA NA
Floatables	None	x Trash		bles/Foam	Sheen	F	ecal Matt		Other	* **
Deposits		X Sediment/Gravel	Fine	e Particulates	Stains	C	Oily Depos	sits	Other	till Ford main in millionidade and an inch
Vegetation	ı X None	Limited	Nor	mal	Excessive		······································	(C. 1) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Other	Personal Paradonal Paradon Par
Biology	X None	Insects Algae	e F	ish Snail	s Mussels/ Barnacles	Insect Algae	J I	Insect/ ail	Other	
Water Flo	w Flow	ving Ponded	X Dry	Tidal						
Does the st	torm drain flow	reach the Receiving	g Water	?	Yes	No	X N/A			
Evidence c	of Overland Flow	w? Yes	X No	Irrigation	Runoff Other	r:				
Photo Tak	en x Yes	No Photo	#							
Photo Tak	THE RESERVE OF THE PROPERTY OF	No Photo	**************************************							The state of the s
Photo Tak	ning Samples Co	No Photo	X No				10	rtho-PO (ma	Л.)	
Photo Tak ield Screer Water Tem	ning Samples Co	No Photo Dilected? Yes	X No		NO3-N (mg/L)			rtho-PO4 (mg eactive-P (ms	****	
Photo Tak ield Screen Water Tem pH (pH units)	ning Samples Co	No Photo pllected? Yes NH3-N (mg/l TURB (NTU	X No				R	rtho-PO4 (mg eactive-P (mg IBAS (mg/L)	****	
Photo Tak ield Screen Water Tem pH (pH units) Analytical FLOW ES	ning Samples Co	No Photo Dilected? Yes NH3-N (mg/I TURB (NTU Dilected? Y ORKSHEETS	X No	Z No	NO3-N (mg/L) COND (mS/cm)		R	eactive-P (mg IBAS (mg/L)	g/L)	
Photo Tak Cield Screen Water Tem pH (pH units) Analytical FLOW ES Flowing	ning Samples Co	No Photo Dilected? Yes NH3-N (mg/I TURB (NTU Dollected? Y ORKSHEETS Culvert	X No (es X	Z No	NO3-N (mg/L) COND (mS/cm) Known Volume		R	eactive-P (mg IBAS (mg/L) Flowin	g/L)	ft
Photo Tak ield Screen Water Tem pH (pH units) Analytical FLOW ES Flowing Width	ning Samples Co	No Photo pilected? Yes NH3-N (mg/I TURB (NTU pollected? Y ORKSHEETS Culvert ft Volume	X No (es X Filling	Z No	NO3-N (mg/L) COND (mS/cm) Known Volume mL		R M	eactive-P (mg IBAS (mg/L) Flowin	g/L)	ft ft
Photo Tak Cield Screen Water Tem pH (pH units) Analytical FLOW ES	ning Samples Co	No Photo pilected? Yes NH3-N (mg/I TURB (NTU pollected? Y ORKSHEETS Culvert ft Volume	X No (es X Filling ime e to Fill	Z No	NO3-N (mg/L) COND (mS/cm) Known Volume		R	eactive-P (mg IBAS (mg/L)	g/L)	ft ft ft ft/sec

COMMENTS: Site has automated sampling equipment. Vortox unit was dry, some dirt and trash has collected in the white gutters.

		X Routine In	vestigation		IC/ID Fo	llow-Up Fo	or		
GENERAI	L SITE DESCR	IPTION		(NAD	83 decimal degrees	to 5th place)			
Site ID	C-B08-8			Latitude	32.7336	Wa	Hydrologic	Unit	908
Location	Grated inlet NV	W of T1E, acros	s from G8	Longitude	-117.1967	Watershed	Hydrologic	Area	908.2
Date	05/21/07			TB Page	1288 F1	hed	Hydrologic (Optional)	Subarea	908.21
Time	13:15			Observer	MF, DK		scharge Area		
Land Use ((Check one		Residen	ial Co	mmercial x I	ndustrial A	gricultural	Parks	O ₁	pen
(Optional, g	(Secondary) greater than 10%	Resident	ial Co	mmercial I	ndustrial A	gricultural	Parks	Open	None
Conveyance (Check one		Manhole	x Catcl	n Basin Ou	itlet Concr Channel			Earthen annel	Curb/Gutte
ATMOSPI	HERIC CONDI	ITIONS							
Weather	Sunny	Partly Clou	ıdv x Ov	ercast Fog	VII MANATANA AMARANA AMARANA AMARANA				
Tide	N/A	Low		oming Hig	TO A SECTION AS A	tgoing	Tide Height	t: 2.8 ft.	
Last Rain	x > 72 hours	< 72 hours	The state of the s		(4(81))	<u> </u>			**************************************
Rainfall	x None	< 0.1"	> (0.1"					
RUNOFF (CHARACTER	ISTICS	The state of the s	A					
Odor	x None	Musty	R	otten Eggs	Chemical	Se	ewage	X Other	<u>.</u>
Color	x None	Yellow		rown	White		ray	X Other	
Clarity	x Clear	The state of the s	S	ightly Cloudy	Opaque	PEPER ST. ST. ST. ST. ST. ST. ST. ST. SAME SAME ST. SAME	······	X Other	
Floatables	None	x Trash		ubbles/Foam	Sheen	Fe	cal Matter	Other	
Deposits	None	x Sediment/Grav	el F	ne Particulates	Stains	0	ily Deposits	Other	
Vegetation	·	Limited	N	ormal	Excessive			Other	
Biology	x None	Insects	Algae	Fish Snail	s Mussels/ Barnacles	Insect/ Algae	Insect/ Snail	Other	
Water Flor	w Flow	ving X Ponde	ed Dr	y Tidal		Charles and the second			The state of the s
Does the st	orm drain flow	reach the Rec	eiving Wat	er?	Yes	No x	N/A		
	f Overland Flo	_	es x No			ner:	THE TENEDON OF THE TE		
Photo Take	en x Yes	***************************************	hoto #			TOTAL PORT OF THE STATE OF THE			
iald Scroor	ing Samples Co	allastad? v V	os No						
Water Tem		ollected? x Y NH3-N			NO3-N (mg/L)	0.2	Ortho-P	0. (====	0.6
pH (pH units)		TURE			COND (mS/cm)	NT		O4 (mg/L) E-P (mg/L)	0.1956
					COTAD (Morem)	1 1 1	MBAS		0.1930
	Lan sammed	onected?	x Yes	No					
Analytical		A == A ==							
Analytical	TIMATION W		#T-32*	D 443	, w				
Analytical FLOW EST		Culvert		ng a Bottle or I				lowing Pipe	
Analytical FLOW EST Flowing Width	TIMATION W	Culvert ft [Volume		mL		Diameter	lowing Pipe	ft
Analytical FLOW EST	TIMATION W	Culvert						lowing Pipe	

		X Routine Inve	stigation		IC/ID Follo	w-Up For			
GENERA	L SITE DESCR	IPTION		(NAD	83 decimal degrees to	5th place)			
Site ID	C-B12-9			Latitude	32.7351	W ₂	Hydrologic U	nit	908
Location	Grated inlet in	west RON		Longitude	-117.2044	Watersl	Hydrologic A	rea	908.2
Date	05/21/07			TB Page	1268 E7	hed	Hydrologic S (Optional)	ubarea	908.21
Time	13:01			Observer	MF, DK		charge Area		
Land Use (Check one		Residentia	l Com	mercial x I	ndustrial Agr	icultural	Parks	0	pen
(Optional,	(Secondary) greater than 10%	Residentia	l Com	mercial I	ndustrial Agr	icultural	Parks	Open	x None
Conveyan (Check one		Manhole	x Catch I	Basin Ou	itlet Concret Channel		Natural Ea eek Char	rthen inel	Curb/Gu
ATMOSP	HERIC COND	ITIONS							
Weather	Sunny	Partly Cloud	y x Over	cast Fog	THE STATE OF THE S				
Tide	N/A	Low	x Incor	······································		oing	Tide Height:	2.0 ft	
Last Rain	x > 72 hours			g 111g/	ouis.	oms	Tide Height.	2.0 11.	***************************************
Rainfall	x None	< 0.1"	> 0.1	??					
	CHARACTER		- U.1						
Odor	None	Musty	Rot	ten Eggs	Chemical	Sar	vage	x Other	NA
Color	None	Yellow	Bro		White			x Other	
Clarity	Clear	I CITO W		htly Cloudy	***************************************	Gra	<u>ıy</u>		
Floatables		X Trash		bles/Foam	Opaque Sheen		-1 N f - 44	x Other	
Deposits	None	X Sediment/Gravel		Particulates	Stains		al Matter	Other	
Vegetatior		Limited	Nor		Excessive	OII	y Deposits	Other Other	
Biology	X None	***************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ish Snail		Insect/ Algae	Insect/ Snail	Other	····
Water Flo	w Flov	ving X Ponded	Dry	Tidal	Duringeres	1 Hgae	Silan	417 411) **********************************	
Does the st		reach the Receiv		***************************************	Yes	No X	N/A		
Evidence o	of Overland Flo	w? Yes	X No	Irrigation	Runoff Other				
Photo Tak	en x Yes	No Pho	to #			The second secon			***************************************
ald Canas	-ing Complex C	-114-19 37	N/ NI		The state of the s			······································	
Water Tem	ning Samples Co	ollected? Yes NH3-N (T	NO3-N (mg/L)		Outh a DO		
OH (pH units	***************************************	TURB (COND (mS/cm)		Ortho-PO Reactive-		<u> </u>
\p omto	·	1 10100 (1		<u> </u>	COLID (HIS/CIII)		MBAS (mg		+
Analytical	Lab Samples C	Collected?	Yes X	No			TVIDI (III)	yr.)	<u></u>
	TIMATION W Creek or Box		Filling	a Bottle or k	Known Volume		Flo	wing Pipe	
Width		ft V	olume		mL		Diameter		ft
Depth		ft T	ime to Fill		sec		Depth		ft
	i	I Alman		1			7 1 1		1
Velocity Flow	Ponded	ft/sec F	low		gpm		/elocity		ft/sec

		Dry							
		X Routine Investig	gation		IC/ID Follo	w-Up Fo	r		
GENERAI	L SITE DESCI	RIPTION		(NAD	83 decimal degrees to	5th place)			
Site ID	C-B09-10			Latitude	32.7301	Wa	Hydrologic U	J nit	908
Location	Manhole near north side of e	T2 parking entrance, entrance road	on	Longitude	-117.1999	Watershed	Hydrologic A	Area	908.2
Date	05/21/07			TB Page	1288 F1		Hydrologic S (Optional)	Subarea	908.21
Time	14:50			Observer	MF, DK		scharge Area otional)		
Land Use ((Check one	•	Residential	Com	mercial x I	ndustrial Agr	icultural	Parks	O	pen
(Optional,	(Secondary) greater than 10	%) Residential	Com	mercial I	Industrial Agri	icultural	Parks	Open	x None
Conveyand (Check one		X Manhole	Catch 1	Basin Oı	utlet Concrete Channel		Natural Earle Cha	arthen nnel	Curb/Gutt
ATMOSP	HERIC COND	OITIONS							
Weather	Sunny	Partly Cloudy	x Over	cast Fog					
Tide	N/A	Low	x Incor	·	***************************************	oing	Tide Height:	3.5 ft.	
Last Rain	x > 72 hour	s < 72 hours			······································	······································			1 h h
Rainfall	x None	< 0.1"	> 0.1	***					
RUNOFF	CHARACTER	RISTICS	SPEE SEEL SEPLEMENT PLEASURES PRANCES SEEL SEE	entition/entitionalism					
Odor	None	Musty	Rot	ten Eggs	Chemical	Se	ewage	x Other	NA
Color	None	Yellow	Bro		White		ray	x Other	
Clarity	Clear	and a black and beautiful and it was a second to the secon	Slig	htly Cloudy	Opaque		0-10-10-10-10-10-10-10-10-10-10-10-10-10	x Other	
Floatables	None	X Trash	But	bles/Foam	Sheen	Fe	cal Matter	Other	
Deposits	None	X Sediment/Gravel	Fine	e Particulates	Stains	O	ily Deposits	Other	
Vegetation	ı X None	Limited	Nor	mal	Excessive			Other	
Biology	X None	Insects Alga	e F	ish Snail	s Mussels/ Barnacles	Insect/ Algae	Insect/ Snail	Other	
Water Flo	w · Flo	wing Ponded	X Dry	Tidal				And the second s	kaderakenakan antanakan (PA tabu) seden belangan berasamban annangan yang
ъ и	torm drain flo	w reach the Receivin	g Water	?	Yes	No 3	ζ N/A		
Does the si									
(Mileta) (Intellection Mercel Armiculation and Assessment	of Overland Flo	ow? Yes	X No	Irrigation	Runoff Other	r:			
/ ////	of Overland Flo	ow? Yes No Photo		Irrigation	Runoff Other				THE Minery (Minery Courses on Personal Control Course on
Evidence o	of Overland Floren x Yes	No Photo	#	Irrigation	Runoff Other				HTTP-PATTIER COMMENTAL STATE OF THE STATE OF
Evidence o Photo Tak Tield Screen	of Overland Floren x Yes	No Photo Collected? Yes	x No				Ortho PO		
Evidence of Photo Tak Sield Screen Water Tem	of Overland Floren x Yes ning Samples O	No Photo Collected? Yes NH3-N (mg/	X No		NO3-N (mg/L)	r:	Ortho-PC Reactive		
Evidence of Photo Tak Sield Screen Water Tem	of Overland Floren x Yes ning Samples O	No Photo Collected? Yes	X No			r:	Reactive-	P (mg/L)	
Evidence of Photo Tak Field Screen Water Tem pH (pH units)	of Overland Floren x Yes ning Samples O	No Photo Collected? Yes NH3-N (mg/	X No		NO3-N (mg/L)	r:		P (mg/L)	
Photo Tak Tield Screen Water Tem pH (pH units) Analytical FLOW ES	of Overland Floren x Yes ning Samples (p (°C)) Lab Samples (TIMATION V	No Photo Collected? Yes NH3-N (mg/ TURB (NTC) Collected? Y	X No (L) U) Yes X	(No	NO3-N (mg/L) COND (mS/cm)	r:	Reactive- MBAS (n	P (mg/L)	
Photo Tak Tield Screen Water Tem pH (pH units) Analytical FLOW ES	of Overland Floren x Yes ning Samples Corp (°C) Lab Samples Corp	No Photo Collected? Yes NH3-N (mg/ TURB (NT) Collected? Y	X No (L) U) Yes X	(No	NO3-N (mg/L)	r:	Reactive- MBAS (n	P (mg/L)	ft
Evidence of Photo Tak Tield Screen Water Tem pH (pH units) Analytical FLOW ES Flowing Width	of Overland Floren x Yes ning Samples (p (°C)) Lab Samples (TIMATION V	No Photo Collected? Yes NH3-N (mg/ TURB (NT) Collected? Y VORKSHEETS Culvert ft Voli	X No (L) (U) (Yes X	(No	NO3-N (mg/L) COND (mS/cm) Known Volume		Reactive- MBAS (n	P (mg/L)	T
Evidence of Photo Tak Tield Screen Water Tem pH (pH units) Analytical FLOW ES Flowing	of Overland Floren x Yes ning Samples (p (°C)) Lab Samples (TIMATION V	No Photo Collected? Yes NH3-N (mg/ TURB (NT) Collected? Y VORKSHEETS Culvert ft Voli	X No (L) (Yes X Filling ume ne to Fill	(No	NO3-N (mg/L) COND (mS/cm) Known Volume mL		Reactive- MBAS (n	P (mg/L)	ft

COMMENTS: Catch basin was slightly damp at the NE corner. Trash, leaves, and sediment inside the basin.



Project: NA
Project Number: SA5054
Project Manager: Don Ostrand

Reported: 06/05/07 13:38

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1	0705480-01	Liquid	05/21/07 09:30	05/22/07 12:30
C-B08-8	0705480-02	Liquid	05/21/07 13:15	05/22/07 12:30

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.

PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.

HOLDING TIMES: All holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.



Project: NA
Project Number: SA5054
Project Manager: Don Ostrand

Reported: 06/05/07 13:38

Microbiological Parameters by APHA Standard Methods Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1 (0705480-01) Liquid	Sampled: 05/21/07 09:30	Received:	05/22/07 1	12:30					
Enterococcus	18	1 CI	FU/100 mL	1	B7E2316	05/22/07	05/22/07	SM 9230C	H-01
Fecal Coliforms	< 2.0	1.0	"	"	"	"	"	SM 9222D	H-01
Total Coliforms	20	1.0	"	"	"	"	"	SM 9222B	H-01
C-B08-8 (0705480-02) Liquid	Sampled: 05/21/07 13:15	Received:	05/22/07 1	12:30					
Enterococcus	60	1 CI	FU/100 mL	1	B7E2316	05/22/07	05/22/07	SM 9230C	H-01
Fecal Coliforms	< 2.0	1.0	"	"	"	"	"	SM 9222D	H-01
Total Coliforms	90	1.0	"	"	"	"	"	SM 9222B	H-01



Project: NA
Project Number: SA5054
Project Manager: Don Ostrand

Reported: 06/05/07 13:38

Conventional Chemistry Parameters by APHA/EPA Methods Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1 (0705480-01) Liquid Sampled	: 05/21/07 09:30	Received:	05/22/0	7 12:30					
Total Hardness	72.0	0.400	mg/L	1	B7E2334	05/22/07	05/23/07	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	0.140	0.100	"	"	"	"	"	EPA 425.1	
C-B08-8 (0705480-02) Liquid Sampled	: 05/21/07 13:15	Received:	05/22/0	7 12:30					
Total Hardness	215	0.400	mg/L	1	B7E2334	05/22/07	05/23/07	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	0.170	0.100	"	"	"	"	"	EPA 425.1	



Ocean Blue Env. ServicesProject: NA3110 Hancock StreetProject Number: SA5054Reported:San Diego CA, 92110Project Manager: Don Ostrand06/05/07 13:38

Metals (Dissolved) by EPA 200 Series Methods Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1 (0705480-01) Liquid	Sampled: 05/21/07 09:30	Received:	05/22/0	7 12:30					
Cadmium	ND	0.0040	mg/L	1	B7E2308	05/23/07	05/24/07	EPA 200.7	
Copper	0.18	0.011	"	"	"	"	05/24/07	"	
Lead	ND	0.015	"	"	"	"	05/24/07	"	
Zinc	0.090	0.013	"	"	"	"	"	"	
C-B08-8 (0705480-02) Liquid	Sampled: 05/21/07 13:15	Received:	05/22/0	7 12:30					
Cadmium	ND	0.0040	mg/L	1	B7E2308	05/23/07	05/24/07	EPA 200.7	
Copper	ND	0.011	"	"	"	"	"	"	
Lead	ND	0.015	"	"	"	"	"	"	
Zinc	0.038	0.013	"	"	"	"	"	"	



Project: NA
Project Number: SA5054
Project Manager: Don Ostrand

Reported: 06/05/07 13:38

Organophosphorus Pesticides by EPA Method 8270C (8141A) Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1 (0705480-01) Liquid	Sampled: 05/21/07 09:30	Received:	05/22/	07 12:30					
Azinphos methyl	ND	5.0	μg/L	1	B7E2506	05/28/07	06/04/07	EPA 8270C	
Bolstar	ND	5.0	"	"	"	"	"	"	
Chlorpyrifos	ND	5.0	"	"	"	"	"	"	
Coumaphos	ND	5.0	"	"	"	"	"	"	
Demeton	ND	5.0	"	"	"	"	"	"	
Diazinon	ND	5.0	"	"	"	"	"	"	
Dichlorvos	ND	5.0	"	"	"	"	"	"	
Dimethoate	ND	5.0	"	"	"	"	"	"	
Disulfoton	ND	5.0	"	"	"	"	"	"	
EPN	ND	5.0	"	"	"	"	"	"	
Ethion	ND	5.0	"	"	"	"	"	"	
Ethoprop	ND	5.0	"	"	"	"	"	"	
Fensulfothion	ND	5.0	"	"	"	"	"	"	
Fenthion	ND	5.0	"	"	"	"	"	"	
Malathion	ND	5.0	"	"	"	"	"	"	
Merphos	ND	5.0	"	"	"	"	"	"	
Methyl parathion	ND	5.0	"	"	"	"	"	"	
Mevinphos	ND	5.0	"	"	"	"	"	"	
Monocrotophos	ND	5.0	"	"	"	"	"	"	
Naled	ND	5.0	"	"	"	"	"	"	
Parathion	ND	5.0	"	"	"	"	"	"	
Phorate	ND	5.0	"	"	"	"	"	"	
Ronnel	ND	5.0	"	"	"	"	"	"	
Sulfotep	ND	5.0	"	"	"	"	"	"	
Tetrachlorvinphos	ND	5.0	"	"	"	"	"	"	
Tokuthion (Prothiofos)	ND	5.0	"	"	"	"	"	"	
Trichloronate	ND	5.0	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		23.5 %	2.	3-120	"	"	"	"	-
Surrogate: 2-Fluorobiphenyl		106 %	3	0-115	"	"	"	"	
Surrogate: Terphenyl-d14		107 %	1	8-137	"	"	"	"	



Project: NA
Project Number: SA5054
Project Manager: Don Ostrand

Reported: 06/05/07 13:38

Organophosphorus Pesticides by EPA Method 8270C (8141A) Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8 (0705480-02) Liquid	Sampled: 05/21/07 13:15	Received:	05/22/0	7 12:30					
Azinphos methyl	ND	5.0	$\mu g/L$	1	B7E2506	05/28/07	06/04/07	EPA 8270C	
Bolstar	ND	5.0	"	"	"	"	"	"	
Chlorpyrifos	ND	5.0	"	"	"	"	"	"	
Coumaphos	ND	5.0	"	"	"	"	"	"	
Demeton	ND	5.0	"	"	"	"	"	"	
Diazinon	ND	5.0	"	"	"	"	"	"	
Dichlorvos	ND	5.0	"	"	"	"	"	"	
Dimethoate	ND	5.0	"	"	"	"	"	"	
Disulfoton	ND	5.0	"	"	"	"	"	"	
EPN	ND	5.0	"	"	"	"	"	"	
Ethion	ND	5.0	"	"	"	"	"	"	
Ethoprop	ND	5.0	"	"	"	"	"	"	
Fensulfothion	ND	5.0	"	"	"	"	"	"	
Fenthion	ND	5.0	"	"	"	"	"	"	
Malathion	ND	5.0	"	"	"	"	"	"	
Merphos	ND	5.0	"	"	"	"	"	"	
Methyl parathion	ND	5.0	"	"	"	"	"	"	
Mevinphos	ND	5.0	"	"	"	"	"	"	
Monocrotophos	ND	5.0	"	"	"	"	"	"	
Naled	ND	5.0	"	"	"	"	"	"	
Parathion	ND	5.0	"	"	"	"	"	"	
Phorate	ND	5.0	"	"	"	"	"	"	
Ronnel	ND	5.0	"	"	"	"	"	"	
Sulfotep	ND	5.0	"	"	"	"	"	"	
Tetrachlorvinphos	ND	5.0	"	"	"	"	"	"	
Tokuthion (Prothiofos)	ND	5.0	"	"	"	"	"	"	
Trichloronate	ND	5.0	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		25.1 %		-120	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		71.3 %	30	-115	"	"	"	"	
Surrogate: Terphenyl-d14		131 %	18	-137	"	"	"	"	



Zinc

Project: NA
Project Number: SA5054
Project Manager: Don Ostrand

Reported: 06/05/07 13:38

RPD

%REC

Metals (Dissolved) by EPA 200 Series Methods - Quality Control Sierra Analytical Labs, Inc.

Spike

0.200

0.090

89.0

70-130

2.65

20

Source

Reporting

0.268

0.013

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B7E2308 - EPA 200 Series										
Blank (B7E2308-BLK1)				Prepared:	05/23/07	Analyzed	1: 05/24/07			
Cadmium	ND	0.0040	mg/L							
Copper	ND	0.011	"							
Lead	ND	0.015	"							
Zinc	ND	0.013	"							
LCS (B7E2308-BS1)				Prepared:	05/23/07	Analyzed	1: 05/24/07			
Cadmium	0.171	0.0040	mg/L	0.200		85.5	85-115			
Copper	0.177	0.011	"	0.200		88.5	85-115			
Lead	0.182	0.015	"	0.200		91.0	85-115			
Zinc	0.172	0.013	"	0.200		86.0	85-115			
Matrix Spike (B7E2308-MS1)	Sou	rce: 070548	0-01	Prepared:	05/23/07	Analyzed	1: 05/24/07			
Cadmium	0.176	0.0040	mg/L	0.200	0.0010	87.5	70-130			
Copper	0.384	0.011	"	0.200	0.18	102	70-130			
Lead	0.192	0.015	"	0.200	0.0032	94.4	70-130			
Zinc	0.261	0.013	"	0.200	0.090	85.5	70-130			
Matrix Spike Dup (B7E2308-MSD1)	Sou	rce: 070548	0-01	Prepared:	05/23/07	Analyzed	1: 05/24/07			
Cadmium	0.180	0.0040	mg/L	0.200	0.0010	89.5	70-130	2.25	20	
Copper	0.396	0.011	"	0.200	0.18	108	70-130	3.08	20	
Lead	0.196	0.015	"	0.200	0.0032	96.4	70-130	2.06	20	



Project: NA
Project Number: SA5054
Project Manager: Don Ostrand

Reported: 06/05/07 13:38

Organophosphorus Pesticides by EPA Method 8270C (8141A) - Quality Control

Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch B7E2506 - E	PA 3510	C Sen	Funnel
-------------------	---------	-------	--------

Blank (B7E2506-BLK1)				Prepared: 05/23/07 Analyzed: 05/25/07
Azinphos methyl	ND	5.0	μg/L	
Bolstar	ND	5.0	"	
Chlorpyrifos	ND	5.0	"	
Coumaphos	ND	5.0	"	
Demeton	ND	5.0	"	
Diazinon	ND	5.0	"	
Dichlorvos	ND	5.0	"	
Dimethoate	ND	5.0	"	
Disulfoton	ND	5.0	"	
EPN	ND	5.0	"	
Ethion	ND	5.0	"	
Ethoprop	ND	5.0	"	
Fensulfothion	ND	5.0	"	
Fenthion	ND	5.0	"	
Malathion	ND	5.0	"	
Merphos	ND	5.0	"	
Methyl parathion	ND	5.0	"	
Mevinphos	ND	5.0	"	
Monocrotophos	ND	5.0	"	
Naled	ND	5.0	"	
Parathion	ND	5.0	"	
Phorate	ND	5.0	"	
Ronnel	ND	5.0	"	
Sulfotep	ND	5.0	"	
Tetrachlorvinphos	ND	5.0	"	
Tokuthion (Prothiofos)	ND	5.0	"	
Trichloronate	ND	5.0	"	
Surrogate: Nitrobenzene-d5	4.02		"	10.0 40.2 23-120
Surrogate: 2-Fluorobiphenyl	7.80		"	10.0 78.0 30-115
Surrogate: Terphenyl-d14	9.03		"	10.0 90.3 18-137



Project: NA
Project Number: SA5054
Project Manager: Don Ostrand

Reported: 06/05/07 13:38

Organophosphorus Pesticides by EPA Method 8270C (8141A) - Quality Control Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B7E2506 - EPA 3510C Sep	Funnel									
LCS (B7E2506-BS1)				Prepared:	05/23/07	Analyzed	1: 05/25/07			
Acenaphthene	8.57	5.0	μg/L	10.0		85.7	47-145			
1,4-Dichlorobenzene	7.15	5.0	"	10.0		71.5	20-124			
2,4-Dinitrotoluene	4.24	5.0	"	10.0		42.4	39-139			
N-Nitrosodi-n-propylamine	2.16	5.0	"	10.0		21.6	0-230			
Pyrene	7.10	5.0	"	10.0		71.0	52-115			
1,2,4-Trichlorobenzene	7.07	5.0	"	10.0		70.7	44-142			
LCS (B7E2506-BS2)				Prepared:	05/23/07	Analyzed	1: 05/25/07			
Acenaphthene	7.84	5.0	μg/L	10.0		78.4	47-145			
1,4-Dichlorobenzene	6.87	5.0	"	10.0		68.7	20-124			
2,4-Dinitrotoluene	4.02	5.0	"	10.0		40.2	39-139			
N-Nitrosodi-n-propylamine	1.87	5.0	"	10.0		18.7	0-230			
Pyrene	6.19	5.0	"	10.0		61.9	52-115			
1,2,4-Trichlorobenzene	6.23	5.0	"	10.0		62.3	44-142			
LCS Dup (B7E2506-BSD1)				Prepared:	05/23/07	Analyzed	1: 05/25/07			
Acenaphthene	7.38	5.0	μg/L	10.0		73.8	47-145	14.9	30	
1,4-Dichlorobenzene	6.41	5.0	"	10.0		64.1	20-124	10.9	30	
2,4-Dinitrotoluene	5.51	5.0	"	10.0		55.1	39-139	26.1	30	
N-Nitrosodi-n-propylamine	2.02	5.0	"	10.0		20.2	0-230	6.70	30	
Pyrene	8.08	5.0	"	10.0		80.8	52-115	12.9	30	
1,2,4-Trichlorobenzene	6.23	5.0	"	10.0		62.3	44-142	12.6	30	



Ocean Blue Env. ServicesProject:
Project Number:NA3110 Hancock StreetProject Number:SA 5054Reported:San Diego CA, 92110Project Manager:Don Ostrand06/05/07 13:38

Notes and Definitions

_<2.0 <2.0

H-01 Sample received without sufficient time to complete analysis within recommended holding time.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

		☐ Routine Inves	tigation		x IC/ID Follow-Up For <u>ammonia</u>							
GENERA	L SITE DESCRI	PTION		(NAD	83 decimal degrees to	o 5th place)		,			
Site ID	C-B08-8			Latitude	32.7336	;	¥ L	Iydrologic Uı	nit	908		
Location	Grated inlet NW	of T1E, across f	rom G8	Longitude	-117.1967		Watershed H	Iydrologic Aı	rea	908.2		
Date	05/22/07			TB Page	1288 F1	ica		Iydrologic Su Optional)	ıbarea	908.21		
Time	11:06			Observer	MF, DK		Discha Option	n rge Area nal)				
Land Use (Check one	•	☐ Residential	□ Con	nmercial x I	ndustrial 🗆 Ag	gricultura	ıl 🗆	Parks	□ O _l	oen		
(Optional,	(Secondary) greater than 10%)	☐ Residential	□ Con	nmercial 🗆 I		gricultura			1	□ None		
Conveyane (Check one		□ Manhole	x Catch	Basin 🗆 Ou	itlet Concre Channel	ete 	□ Na Creel			□ Curb/Gutter		
ATMOSP	HERIC CONDI	ΓΙΟΝS										
Weather	☐ Sunny	☐ Partly Cloudy	x Ove	rcast								
Tide	□ N/A	□ Low	x Inco	ming 🗆 Higl	n □ Out	going	Т	ide Height: 1	1.4 ft.			
Last Rain	x > 72 hours	□ < 72 hours										
Rainfall	x None	□ < 0.1"	$\Box > 0$.	1"								
RUNOFF	CHARACTERIS	STICS										
Odor	x None	□ Musty	□ Ro	tten Eggs	☐ Chemical		Sewa	ge	□Other			
Color		□ Yellow	□ Bro		□ White		Gray	T	☐ Other	•		
Clarity	x Clear		□ Sli	ghtly Cloudy	☐ Opaque				☐ Other	•		
Floatables	□ None	x Trash		bbles/Foam	□ Sheen		Fecal	Matter	☐ Other	•		
Deposits	□ None	x Sediment/Gravel	□ Fin	e Particulates	☐ Stains		Oily I	Deposits	☐ Other	•		
Vegetation	x None	Limited	□ No	rmal	□ Excessive		-		☐ Other	•		
Biology	x None	☐ Insects ☐ Al	gae 🗆 🗎	Fish □ Snail	s Mussels/ Barnacles	□ Insec Algae	ct/	☐ Insect/ Snail	□ Other			
Water Flo	w □ Flowi	ing X Ponded	☐ Dry	□ Tidal								
Does the s	orm drain flow	reach the Receiv	ing Wate	r?	□ Yes	□ No	x N/	Α				
Evidence of	of Overland Flow	v? ☐ Yes	x No	☐ Irrigation	Runoff Oth	er:						
Photo Tak	en x Yes	□ No Pho	to #		***************************************							
Field Screen	ning Samples Co	llected? x Yes	□No									
Water Tem		NH3-N (1			NO3-N (mg/L)	0.2		Ortho-PO4	(mg/L)	0.6		
pH (pH units	•	TURB (N			COND (mS/cm)	0.48		Reactive-I		0.1956		
1 4	'	1		· ·				MBAS (mg		0.5		
Analytical	Lab Samples Co	ollected?	Yes x	No								
	TIMATION WO		T72112	a a Da44la an I	Z., o., V. o., o.			Til or	! a. D! a			
Width	Creek or Box C		olume	g a bottle or b	Known Volume mL	1	Dia	ameter	wing Pipe	ft		
Depth			ime to Fill		sec		De			ft		
Velocity			low	<u> </u>	gpm			locity		ft/sec		
Flow	Ponded	gpm					Flo	-		gpm		
COMMEN'	ΓS:											

		X Routine Inv	estigation		☐ IC/ID Fol	llow-Up	For _			
GENERAL	SITE DESCRI	IPTION		(NAD	83 decimal degrees t	to 5th plac	ce)			
Site ID	Oval			Latitude			Wa	Hydrolog	ic Unit	908
Location	Catch basin in the	he middle of Ov	ral 8	Longitude			Watershed	Hydrologi	ic Area	908.2
Date	05/22/07			TB Page	1268 F1		((Optional)		908.21
Time	11:27			Observer	MF, DK		Disch (Option	arge Area onal)	a	
Land Use (Check one		□ Residenti	al 🗆 Con	nmercial x I	ndustrial 🗆 Ag	gricultu	ral [□ Parks	□ O ₁	oen
	(Secondary) greater than 10%)	☐ Residenti	al □ Con	nmercial 🗆 I	Industrial 🗆 Ag	gricultu	ral [□ Parks	□ Open	x None
Conveyand (Check one		☐ Manhole	x Catch	Basin □ Oı	utlet ☐ Concr Channel		□ Na Cree		Earthen Channel	☐ Curb/Gutter
ATMOSP	HERIC CONDI	TIONS								
Weather	☐ Sunny	☐ Partly Clou	dy x Ove	rcast						
Tide	x N/A	□ Low	☐ Inco	ming High	h 🗆 Out	tgoing	,	Tide Heig	 ft.	
Last Rain	x > 72 hours	\square < 72 hours								
Rainfall	x None	□ < 0.1"	□ > 0.	1"						
RUNOFF	CHARACTERI	STICS								
Odor	X None	□ Musty	□ Ro	tten Eggs	☐ Chemical		Sewa	age	☐ Other	
Color		□ Yellow	□ Bro	own	□ White		Gray		☐ Other	
Clarity	X Clear			ghtly Cloudy	☐ Opaque				☐ Other	
Floatables		□ Trash		bbles/Foam	☐ Sheen			l Matter	☐ Other	
Deposits		X Sediment/Grav		e Particulates	☐ Stains		Oily	Deposits	☐ Other	
Vegetation		☐ Limited	□ No	rmal	☐ Excessive				☐ Other	
Biology	X None	□ Insects □ A	Algae 🗆 l	Fish □ Snail	s Mussels/ Barnacles	□ Ins Alga		☐ Insec Snail	ct/ Other	
Water Flo	w	ing X Ponde	d □ Dry							
Does the st	orm drain flow	reach the Rece	iving Wate	r?	□ Yes	□ No	XN	J/A		
Evidence of	f Overland Flov	v? □ Ye	es X No	☐ Irrigation	Runoff Oth	ner:				
Photo Tak	en x Yes	□ No Ph	noto #							
Field Screen	ning Samples Co	ollected? x Ye	es 🗆 No							
Water Tem		NH3-N			NO3-N (mg/L)	0.1		Ortho	-PO ₄ (mg/L)	0.3
pH (pH units)	•	TURB	, , ,		COND (mS/cm)	25.3			ive-P (mg/L)	0.0978
	Lab Samples Co	•		X No	,				S (mg/L)	2.5
	TIMATION WO		Fillin	g a Bottle or I	Known Volume				Flowing Pipe	<u></u>
Width	JOHN STEERS		Volume	S & Dotte of 1	mL		Di	iameter	pt	ft
Depth			Time to Fill		sec			epth		ft
Velocity		ft/sec	Flow		gpm			elocity		ft/sec
Flow	Ponded	gpm					Fle	ow		gpm
COMMEN	ΓS:									

		X Routine Investigation		☐ IC/ID Follo	ow-Up	For			
GENERA	L SITE DESCR	IPTION	(NAD	83 decimal degrees to	5th place	e)		•	
Site ID	Trench East		Latitude			≨ Hy	drologic Unit	;	908
Location	Slit trench east or	f C-B08-8	Longitude			Watershed Hy Hy	drologic Area	a	908.2
Date	05/22/07		TB Page	1288 F1		$ (O_1$	drologic Suba otional)	area	908.21
Time	11:15		Observer	MF, DK		Dischar Optiona	ge Area l)		
Land Use (Check one		□ Residential □ Cor	mmercial x I	ndustrial 🗆 Ag	ricultura	al 🗆 F	Parks	□ Op	oen
	(Secondary) greater than 10%) Residential Cor	mmercial 🗆 l	Industrial Ag	ricultura	al 🗆 F	earks \Box Op	en :	x None
Conveyand (Check one		☐ Manhole x Catch	Basin 🗆 Ou	utlet Concre Channel	te	□ Natu Creek	ral Earth Channe		□ Curb/Gutter
ATMOSP	HERIC CONDI	TIONS							
Weather	□ Sunny	☐ Partly Cloudy X Ove	ercast						
Tide	x N/A		oming 🗆 Hig	h □ Outş	going	Tio	le Height:	ft.	
Last Rain	x > 72 hours	□ < 72 hours							
Rainfall	x None	$\square < 0.1$ " $\square > 0.1$.1"						
RUNOFF	CHARACTER	ISTICS							
Odor	□ None	x Musty	otten Eggs	☐ Chemical		Sewage		Other	
Color	x None	☐ Yellow ☐ Br		□ White		Gray		Other	
Clarity	☐ Clear		ghtly Cloudy	☐ Opaque			[Other	
Floatables	□ None	x Trash 🗆 Bu	ıbbles/Foam	☐ Sheen		Fecal M	latter	☐ Other	
Deposits	□ None	X Sediment/Gravel	ne Particulates	☐ Stains		Oily De	posits	Other	
Vegetation			ormal	☐ Excessive				Other	
Biology	X None	☐ Insects ☐ Algae ☐	Fish □ Snail	s Mussels/ Barnacles	□ Inse Algae		☐ Insect/ Snail	☐ Other	
Water Flo	w □ Flow	ving x Ponded □ Dry	y 🗆 Tidal						
Does the s	torm drain flow	reach the Receiving Wate	er?	□ Yes [□ No	X N/A			
Evidence of	of Overland Flo	w? ☐ Yes X No	☐ Irrigation	Runoff Othe	er:				
Photo Tak	en x Yes	□ No Photo #							
Field Screen	ning Samples Co	ollected? x Yes No							
Water Tem		NH3-N (mg/L) 2.5		NO3-N (mg/L)	0.2		Ortho-PO ₄ (n	ng/L)	0.2
pH (pH units	7.4	TURB (NTU) 16		COND (mS/cm)	1.5		Reactive-P (r		0.0652
Analytical	Lab Samples C	collected?	X No				MBAS (mg/L)		3.0
	TIMATION W		ng a Bottle or I	Known Volume			Flowi	ng Pipe	
Width		ft Volume		mL		Dian			ft
Depth		ft Time to Fil	1	sec		Dept			ft
Velocity		ft/sec Flow		gpm		Velo	•		ft/sec
Flow	ponded	gpm				Flow			gpm

COMMENTS: Picked area in slit trench upstream of site. Noted trash and a black, sooty, deposit in trench.

X Routine Investigation ☐ IC/ID Follow-Up For	
GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)	1
Site ID Trench southwest Latitude	908
Site ID Trench southwest Latitude ₩ drologic Unit Location Slit trench southwest of C-B08-8 Longitude Hydrologic Area Pote 05/22/07 TR Poge 1288 E1 Hydrologic Subarea	908.2
Date05/22/07TB Page1288 F1EHydrologic Subarea (Optional)	908.21
Time11:20ObserverMF, DKDischarge Area (Optional)	
Land Use (Primary) (Check one only) Residential Commercial x Industrial Agricultural Parks	Open
Land Use (Secondary) (Optional, greater than 10%) □ Residential □ Commercial □ Industrial □ Agricultural □ Parks □ Open	x None
Conveyance (Check one only) Manhole x Catch Basin Outlet Channel Creek Channel Earthen Channel	□ Curb/Gutter
ATMOSPHERIC CONDITIONS	
Weather ☐ Sunny ☐ Partly Cloudy x Overcast ☐ Fog	
Tide x N/A □ Low □ Incoming □ High □ Outgoing Tide Height:ft	
Last Rain $x > 72$ hours $\square < 72$ hours	
Rainfall x None $\square < 0.1$ " $\square > 0.1$ "	
RUNOFF CHARACTERISTICS	
Odor □ None x Musty □ Rotten Eggs □ Chemical □ Sewage □ Oth	er
Color x None	er
Clarity x Clear □ Slightly Cloudy □ Opaque □ Oth	er
Floatables None x Trash Bubbles/Foam Sheen Fecal Matter Oth	er
Deposits □ None X Sediment/Gravel □ Fine Particulates □ Stains □ Oily Deposits □ Oth	er
Vegetation X None □ Limited □ Normal □ Excessive □ Oth	er
Biology X None □ Insects □ Algae □ Fish □ Snails □ Mussels/ □ Insect/ □ Oth	er
Barnacles Algae Snail	
Water Flow	
Does the storm drain flow reach the Receiving Water? \Box Yes \Box No X N/A	
Evidence of Overland Flow?	
Photo Taken x Yes	
Field Screening Samples Collected? x Yes □ No	
Water Temp (°C) 24.9 NH3-N (mg/L) 1.5 NO3-N (mg/L) 0.2 Ortho-PO ₄ (mg/L)	0.3
pH (pH units) 7.5 TURB (NTU) 110 COND (mS/cm) 1.1 Reactive-P (mg/L)	0.0978
MBAS (mg/L) Analytical Lab Samples Collected? □ Yes X No	1.5
FLOW ESTIMATION WORKSHEETS Flowing Check on Post College St. Filling a Pattle on Vincent Values and Flowing Picture St. Filling a Pattle on Vincent Values and Flowing Picture St. Filling a Pattle on Vincent Values and Flowing Picture St. Filling a Pattle on Vincent Values and Flowing Picture St. Filling a Pattle on Vincent Values and Flowing Picture St. Filling a Pattle on Vincent Values and Flowing Picture St. Filling a Pattle on Vincent Values and Flowing Picture St. Filling a Pattle on Vincent Values and Flowing Picture St. Filling a Pattle on Vincent Value St. Filling a Pattle on Vincent Va	
Flowing Creek or Box Culvert Filling a Bottle or Known Volume Flowing Pi	
	£4
Width ft Volume mL Diameter	ft
	ft ft ft/sec

COMMENTS: Picked an area in the trench upstream of the site. There was trash in the trench and a black, sooty deposit. No immediate upstream sources of water were present.

	X Routine Investiga	tion	☐ IC/ID Follo	w-Up For _							
GENERAL SITE	DESCRIPTION	(NAD	83 decimal degrees to 5	5th place)							
Site ID Upstre	am Oval	Latitude		≰ I	Hydrologic Unit	908					
	basin upstream of Oval 8, along ine, east of FAA buildings	Longitude		Watershed	Hydrologic Area	908.2					
Date 05/22/0	07	TB Page	1268 F1		Hydrologic Subarea Optional)	908.21					
Time 12:03		Observer	MF, DK	Discha (Optio	arge Area nal)						
Land Use (Primar (Check one only)	Residential	Commercial x I	ndustrial 🗆 Agri	icultural [Parks	Open					
Land Use (Second (Optional, greater t		Commercial 1	Industrial Agri	icultural [Parks	x None					
Conveyance (Check one only)	X Manhole	Catch Basin	utlet Concrete Channel	e □ Na Cree		□ Curb/Gutter					
ATMOSPHERIC	CONDITIONS										
Weather	nny 🗆 Partly Cloudy 🔾	Overcast									
Tide x N/		☐ Incoming ☐ High	h □ Outgo	oing T	Γ ide Height: ft	•					
Last Rain $x > 7$	72 hours \square < 72 hours										
Rainfall x No	one $\square < 0.1$ "	□ > 0.1"									
RUNOFF CHARA	RUNOFF CHARACTERISTICS										
		☐ Rotten Eggs	☐ Chemical	□ Sewa	ge 🗆 Oth	er					
	None	□ Brown	☐ White	☐ Gray	☐ Oth	er					
	lear	☐ Slightly Cloudy	☐ Opaque		□ Oth						
	Ione	☐ Bubbles/Foam	☐ Sheen	☐ Fecal							
	None X Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily l	Deposits \Box Oth						
		□ Normal	☐ Excessive		□ Oth						
Biology X N	None ☐ Insects ☐ Algae	□ Fish □ Snail		☐ Insect/ Algae	☐ Insect/ ☐ Oth Snail	er					
Water Flow	☐ Flowing x Ponded	□ Dry □ Tidal									
Does the storm dr	ain flow reach the Receiving	Water?	□ Yes □	No X N	/A						
Evidence of Overl	and Flow?	X No ☐ Irrigation	Runoff Other	r:							
Photo Taken	x Yes										
E. 110											
Field Screening San Water Temp (°C)	mples Collected? x Yes 22.2 NH3-N (mg/L)	No 0.3	NO3-N (mg/L)	0.1	Ortho-PO ₄ (mg/L)	0.2					
pH (pH units)	7.7 TURB (NTU)	0.61		25.0	Reactive-P (mg/L)	0.0652					
pri (pri uma)	7.7 TOTAL (NTO)	0.01	COTTD (IIIS/CIII)	23.0	MBAS (mg/L)	1.5					
Analytical Lab Sa	mples Collected? □ Ye	s X No									
FLOW ESTIMAT Flowing Creek	TION WORKSHEETS or Box Culvert	Filling a Bottle or I	Known Volume		Flowing Pi	pe					
Width	ft Volum		mL	Dia	ameter	ft					
Depth	ft Time	to Fill	sec		pth	ft					
Velocity	ft/sec Flow			Va	locity	C. /					
Flow Por	nded gpm		gpm	Flo	•	ft/sec					

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: Catch basin is surrounded by dirt.

		Dry Weat			-			
		X Routine Investigation		IC/ID Follow-	Up For			
<u>GENERAI</u>	L SITE DESCI	RIPTION	(NAD	83 decimal degrees to 5th	place)			
Site ID	C-B01-1		Latitude	32.7325	W ₈	Hydrologic U	nit	908
Location		side zipper line, just west of h of runway 9/27	Longitude	-117.1797	Watershed	Hydrologic A	rea	908.2
Date	06/18/07		TB Page	1288 H1	T ea.	Hydrologic Society (Optional)	ubarea	908.21
Time	07:51		Observer	MF, KG		harge Area ional)		
Land Use (Check one		Residential Con	mmercial x I	ndustrial Agricu		Parks	O	pen
	(Secondary) greater than 10°	%) Residential Con	mmercial I	Industrial Agricu	ıltural	Parks	Open	x None
Conveyand (Check one		Manhole x Catch	Basin Ou	utlet Concrete Channel	l Cre		rthen inel	Curb/Gutt
ATMOSP	HERIC COND	DITIONS						
Weather	Sunny	Partly Cloudy x Ove	ercast Fog	Second III III III III III III III III III I				
Tide	N/A	Low x Inco			ıg	Tide Height:	-0.1 ft.	
Last Rain	x > 72 hour	s < 72 hours				9		CAPPELLE PARTY STATE STA
Rainfall	x None	< 0.1" > 0	.1"					
RUNOFF	CHARACTER	RISTICS						
Odor	X None	Musty Ro	otten Eggs	Chemical	Sev	vage	Other	•
Color	None		rown	White	Gra		Other	
Clarity	X Clear	SI:	ightly Cloudy	Opaque	***************************************	Same the second	Other	•
Floatables	X None		ıbbles/Foam	X Sheen (dusty)	Fec	al Matter	Other	•
Deposits	None		ne Particulates	Stains	Oil	y Deposits	Other	•
Vegetation	X None		ormal	Excessive			Other	•
			Fish Snail:	. M 1 . /	T			
Biology	X None	Insects Algae	1 Ion Onan		Insect/ lgae	Insect/ Snail	Other	•
		Insects Algae owing X Ponded Dry					Other	
Biology Water Flor	w Flo	The second secon	y Tidal		lgae		Other	
Biology Water Floo Does the st	w Flo	owing X Ponded Dry w reach the Receiving Wate	y Tidal	Barnacles Al Yes N	lgae	Snail	Other	
Biology Water Floo Does the st Evidence of	w Flo form drain flow of Overland Flo	owing X Ponded Dry w reach the Receiving Wate	y Tidal	Barnacles Al Yes N	lgae	Snail	Other	
Biology Water Floo Does the st Evidence of Photo Tak	w Flo corm drain flow of Overland Flow en x Yes	owing X Ponded Dry w reach the Receiving Wate ow? Yes X No No Photo #	y Tidal er? Irrigation	Barnacles Al Yes N	lgae	Snail	Other	
Biology Water Floo Does the st Evidence of Photo Take Tield Screen	w Flo form drain flow of Overland Flow en x Yes ning Samples O	owing X Ponded Dry w reach the Receiving Wate ow? Yes X No No Photo #	y Tidal er? Irrigation	Barnacles Al Yes N	lgae o X	Snail N/A		
Biology Water Floo Does the st Evidence of Photo Tak Field Screen Water Tem	w Floorm drain flow of Overland Floor en x Yes ning Samples C p (°C) 22.0	owing X Ponded Dry w reach the Receiving Wate ow? Yes X No No Photo# Collected? X Yes No	y Tidal er? Irrigation	Yes N Runoff Other: _ NO3-N (mg/L) 1.	lgae o X	Snail	4 (mg/L)	0.3
Water Flow Does the st Evidence of Photo Take Field Screen Water Tem pH (pH units)	w Floorm drain flow of Overland Floor en x Yes ning Samples C p (°C) 22.0	w reach the Receiving Water w reach the Receiving Water w Yes X No No Photo # Collected? X Yes No NH3-N (mg/L) 0.6 TURB (NTU) 3.5	y Tidal er? Irrigation	Yes N Runoff Other: _ NO3-N (mg/L) 1.	o X	Snail N/A Ortho-PO	4 (mg/L) P (mg/L)	0.3
Water Flow Does the st Evidence of Photo Take Field Screen Water Tem pH (pH units) Analytical FLOW ES	w Flo corm drain flow of Overland Flow en x Yes ning Samples O p (°C) 22.0 7.56 Lab Samples O TIMATION V	w reach the Receiving Water w reach the Receiving Water w Yes X No No Photo # Collected? X Yes No NH3-N (mg/L) 0.6 TURB (NTU) 3.5 Collected? X Yes	y Tidal er? Irrigation 55 52 No	Yes N Runoff Other: NO3-N (mg/L) 1. COND (mS/cm) 0.	o X	Snail N/A Ortho-PO Reactive-I MBAS (mg	4 (mg/L) P (mg/L) g/L)	0.3 0.0978 0.75
Biology Water Flow Does the st Evidence of Photo Take Pield Screen Water Temph (pH units) Analytical FLOW ES Flowing	w Floorm drain flow of Overland Flow en x Yes ning Samples C p (°C) 22.0 7.56 Lab Samples C	w reach the Receiving Water w reach the Receiving Water w reach the Receiving Water yes X No No Photo # Collected? X Yes No NH3-N (mg/L) 0.6 TURB (NTU) 3.5 Collected? X Yes VORKSHEETS Culvert Filling	y Tidal er? Irrigation 55 52 No	Yes N Runoff Other: _ NO3-N (mg/L) 1. COND (mS/cm) 0.	75 706	Snail N/A Ortho-PO Reactive-I MBAS (mg	4 (mg/L) P (mg/L)	0.3 0.0978 0.75
Water Flow Does the st Evidence of Photo Take Field Screen Water Temph (pH units) Analytical FLOW ES Flowing Width	w Flo corm drain flow of Overland Flow en x Yes ning Samples O p (°C) 22.0 7.56 Lab Samples O TIMATION V	w reach the Receiving Water No Photo # Collected? X Yes No NH3-N (mg/L) 0.6 TURB (NTU) 3.5 Collected? X Yes VORKSHEETS Culvert Filling Volume	y Tidal er? Irrigation 55 No No	Harnacles Al Yes N Runoff Other: _ NO3-N (mg/L) 1.7 COND (mS/cm) 0.7 Known Volume mL	75 706	Snail N/A Ortho-PO Reactive-I MBAS (mg	4 (mg/L) P (mg/L) g/L)	0.3 0.0978 0.75
Water Flow Does the st Evidence of Photo Take Field Screen Water Tem pH (pH units) Analytical FLOW ES Flowing	w Flo corm drain flow of Overland Flow en x Yes ning Samples O p (°C) 22.0 7.56 Lab Samples O TIMATION V	w reach the Receiving Water w reach the Receiving Water w reach the Receiving Water yes X No No Photo # Collected? X Yes No NH3-N (mg/L) 0.6 TURB (NTU) 3.5 Collected? X Yes VORKSHEETS Culvert Filling	y Tidal er? Irrigation 55 No No	Yes N Runoff Other: _ NO3-N (mg/L) 1. COND (mS/cm) 0.	75 706	Snail N/A Ortho-PO Reactive-I MBAS (mg	4 (mg/L) P (mg/L) g/L)	0.3 0.0978 0.75

COMMENTS: Inlet to catch basin was dry. Outlet was dry. Water was shallow and very yellow. No immediate upstream source(s) could be identified.

		X Routine	Investigation		IC/ID Fol	llow-U	p For	-		
GENERA	L SITE DESCR	IPTION		(NAD	83 decimal degrees	to 5th pla	ace)			
Site ID	C-B03-2			Latitude	32.7286		Wa	Hydrolog	ic Unit	908
Location	Grated inlet insid runway 9/27, dire			Longitude	-117.1784		Watershed	Hydrologi	ic Area	908.2
Date	06/18/07			TB Page	1288 H1		2 Hydrologic Suba (Optional)			908.21
Time	07:26			Observer	MF, KG Discharge Are			harge Area		
Land Use (Check one		Reside	ential Com	mercial x I	ndustrial A	gricultu		Parks		Open
	(Secondary) greater than 10%	Reside	ential Com	mercial 1	Industrial A	gricultu	ıral	Parks	Open	x None
Conveyand (Check one		Manh	ole x Catch l	Basin Oı	utlet Concr Channel			Vatural eek C	Earthen Channel	Curb/Gutter
ATMOSP	HERIC CONDI	TIONS								
Weather	Sunny	Partly C	loudy X Over	rcast Fog	directive de management de la constitución de la co					
Tide	N/A	Low	x Incom		The same of the sa	tgoing		Tide Heig	ht: -0.1 ft	
Last Rain	X > 72	**************************************				tsoms	teriorite desillerananana	1100 11016	He. O.1 It.	\$10 km beauting (197 / 8) 117 (1977 / 1978 1977 (1978 / 1978 (1977 (1978 (19
	hours	< 72 hou		hi immoon haaaanaanaana						
Rainfall	x None	< 0.1"	> 0.1	,,						
RUNOFF	CHARACTERI	ISTICS								
Odor	None	Musty	Rot	ten Eggs	Chemical		Sev	vage	X Ot	her Salty
Color	X None	Yellow	Bro		White		Gra			her
Clarity	X Clear	front to a Larench transformation and a service of the second and a service of the second and th	Slig	htly Cloudy	Opaque				Otl	her
Floatables		Trash		bles/Foam	Sheen	**************************************	Fec	al Matter	Otl	her
Deposits		X Sediment/C		e Particulates	Stains	***************************************	Oil	y Deposits	Otl	her
Vegetation		Limited	Nor	***	Excessive		***************************************		Otl	her
Biology	X None	Insects	Algae F	ish Snail	s Mussels/ Barnacles	Ins Alga	sect/ le	Insec Snail	t/ Otl	her
Water Flo	w Flow	ing X Por	nded Dry	Tidal		<u></u>		THE THE PARTY OF T	777 F F F F F F F F F F F F F F F F F F	COMPANIES AND
Does the st	torm drain flow	reach the Re	eceiving Water	?	Yes	No	x l	N/A		
Evidence o	of Overland Flow	w?	Yes x No	Irrigation	Runoff Oth	ner:				
Photo Tak		THE COLUMN TWO IS A STREET OF THE COLUMN THE WAY THE COLUMN THE COLUMN THE WAY THE COLUMN TH	(11 h) 11 h had of the formation of the first	IIIIganon	Kunon Ou	ici	- Commission of the Commission	neren de la companya		
rnoto Tak	en x res	No	Photo #		O DESCRIPTION OF THE PROPERTY AND ADDRESS.					
Field Scree	ning Samples Co	ollected? X	Yes No							
Water Tem			3-N (mg/L) NT		NO3-N (mg/L)	NT		Ortho-	·PO ₄ (mg/L)	NT
pH (pH units	6.66	TU	RB (NTU) NT		COND (mS/cm)	55.1			ve-P (mg/L)	
Analytical	Lab Samples C	ollected?	Yes x	No			·	MBAS	S (mg/L)	NT
	TIMATION W									***************************************
	Creek or Box (a Bottle or I	Known Volume		_		Flowing Pi	
Width Depth		ft	Volume Time to Fill			Diameter			ft	
Velocity					sec			Depth Velocity		ft
Flow	Ponded	gpm	1 10 W		gpm			low		ft/sec
· ·	1 - 0	191					L£	10 W		gpm

Revised 4/20/2004. 4/15/2005. 4/19/2006

COMMENTS: High conductivity indicates seawater intrusion.

			J ,		ntoring r	1010 20	· COLIT			
		X Routine	Investigation	ì	IC/II) Follow-U	p For			
GENERA	L SITE DESC	RIPTION		(NA	D 83 decimal de	grees to 5th pl	ace)			
Site ID	C-B05-3			Latitude	32.7378		1	Hydrologic	Unit	908
Location	Grated inlet in	GD parking are	a	Longitude	-117.183	<u> </u>	Watershed	Hydrologic	Area	908.2
Date	06/18/07			TB Page	1268 H7		hed	Hydrologic (Optional)	Subarea	908.21
Time	09:37			Observer	MF, KG			harge Area ional)		1
Land Use (Check on	(Primary) e only)	Resid	lential Co	ommercial	x Industrial	Agricult	<u>• • • • • • • • • • • • • • • • • • • </u>	Parks	0	pen
	(Secondary) greater than 10	%) Resid	lential Co	ommercial	Industrial	Agricult	ural	Parks	Open	x None
Conveyar (Check on		Manh	nole x Cato	h Basin	()IIII er	oncrete innel	N Cre		Earthen annel	Curb/Gutter
ATMOSE	HERIC CONI	OITIONS								
Weather	X Sunny	Partly C	loudy O	vercast Fe						
Tide	N/A	Low			og igh	Outosina		Tida IIaiah4	. 1 (4	
Last Rain			***************************************	oning n	igii	Outgoing		Tide Height	: 1.0 II.	
Rainfall	x None	< 0.1"		0.1"						
	CHARACTE			J. 1						
Odor	None	Musty	R	otten Eggs	Chemi	cal	Sew	/a oe	x Other	. NA
Color	None	Yellow	***************************************	rown	White		Gra		x Other	
Clarity	Clear			lightly Cloudy		e		J	x Other	***************************************
Floatable	8 None	X Trash	***************************************	ubbles/Foam	Sheen		Feca	al Matter	Othe	
Deposits	None	X Sediment/0	**************************************	ine Particulate			***************************************	Deposits	Othe	Personal Property Control of the Con
Vegetatio		Limited	***************************************	lormal	Excess	ive		Deposits	Othe	
Biology	X None	Insects	Algae		ails Muss		sect/	Insect/	Othe	
rangement representation of the first section of	THE THE PERSON OF THE PERSON O		and the second s		Barnac	les Alga	ae	Snail		Philips (in Address and the Pall) in Pall and a Pall (in Address and the Pall)
Water Flo	w Flo	wing X Po	nded D	ry Tida	1					
Does the s	torm drain flo	w reach the R	eceiving Wat	ter?	Yes	No	X	N/A		
Evidence	of Overland Fl	ow?	Yes X No) Irrigatio	on Runoff	Other:		- Alekanana and Alekanana Alekanana and Alekanana and Alekanana and Alekanana and Alekanana and Alekanana and A		
Photo Tal	ken x Yes	No	Photo #	2	The second secon				THE PART OF THE PA	менен и поставления и пост Поставления и поставления
E: 11 G										
Water Ten	ning Samples ($\frac{\text{Yes}}{\text{I3-N (mg/L)}} \frac{\text{X N}}{\text{I3-N (mg/L)}}$	0	NO3-N (mg/	, l		Ortho Di	0.7.7	
pH (pH unit			RB (NTU)		COND (ms			Ortho-Pe Reactive		
	l Lab Samples	· · · · · · · · · · · · · · · · · · ·		V No	T COLUM	cm)		MBAS (
	-		Yes	X No						
	STIMATION V g Creek or Box			ma a D-441-	. ¥7 ×7. ×					
Width	g Creek or Box	ft	Volume	ng a Bottle o	r Known Vol				lowing Pipe	1
Depth		ft	Time to F	ili		mL sec	1 -	oiameter		ft
Velocity		ft/sec	Flow	111		sec	1 -	epth elocity		ft
Flow	Dry	gpm	1104		,	gpm	1	low		ft/sec
	1		L				ı <u>F</u>	IO W	ł	gpm

COMMENTS: Very shallow ponded water was observed in the catch basin. There was not a sufficient volume to take a sample.

		X Routine	Investigation	ı	IC/ID Follo	ow-Up For			
GENERA	L SITE DESCR	IPTION		(NAD	83 decimal degrees to	5th place)			
Site ID	C-B05-4			Latitude	32.7306		Hydrologic U	J nit	908
Location	Grated inlet insid runway 9/27, nor			Longitude	-117.1830	Watershed	Hydrologic A		908.2
Date	06/18/07			TB Page	1288 H1	hed.	Hydrologic S (Optional)	Subarea	908.21
Time	07:07			Observer	MF, KG		charge Area		
Land Use (Check one		Resid	ential Co	ommercial x	Industrial Agr	ricultural	Parks	C)pen
	(Secondary) greater than 10%	Reside	ential Co	ommercial	Industrial Agr	ricultural	Parks	Open	x None
Conveyand (Check one		Manh	ole x Catc	h Basin O	utlet Concret Channel		Natural Ea eek Cha	arthen nnel	Curb/Gu
ATMOSP	HERIC CONDI	TIONS							
Weather	Sunny		loudy v Ov	ercast Fog					
Tide	N/A	Partly C Low		ercast Fog			Tido Hoioba.	0.66	
Last Rain	x > 72 hours	< 72 hoi		oming Hig	n Ouig	oing	Tide Height:	-0.6 п.	
Rainfall	x None	< 0.1"		0.1"					
	CHARACTERI	***************************************	<i>></i> (J. 1					
Odor	None	Musty	R	otten Eggs	Chemical	Sex	vage	X Othe	er NA
Color	None	Yellow		rown	White	Gra		X Othe	
Clarity	Clear		S	lightly Cloudy	Opaque			X Othe	
Floatables	X None	Trash		ubbles/Foam	Sheen	Fed	al Matter	Othe	
Deposits	None	X Sediment/C	ravel F	ine Particulates	Stains	Oil	y Deposits	Othe	***************************************
Vegetation	x None	Limited	N	ormal	Excessive	**************************************	<u> </u>	Othe	
Biology	X None	Insects	Algae	Fish Snail	ls Mussels/ Barnacles	Insect/ Algae	Insect/ Snail	Othe	
Water Flo	w Flow	ing Por	nded X D	ry Tidal				**************************************	
Does the st	orm drain flow	reach the R	eceiving Wat	er?	Yes	No X	N/A		
Evidence o	of Overland Flow	w?	Yes X No	Irrigation	Runoff Othe	r:			
Photo Tak	en x Yes	No	Photo #						THE RESERVE OF THE PERSON OF T
	ning Samples Co	llected?	Yes X N	o					
Water Tem			3-N (mg/L)		NO3-N (mg/L)		Ortho-PO) ₄ (mg/L)	
H (pH units)		TU	RB (NTU)		COND (mS/cm)		Reactive-		
Analytical	Lab Samples Co	ollected?	Yes	X No			MBAS (m	g/L)	
FLOW ES	TIMATION WO	ORKSHEET	S						<u> </u>
Flowing	Creek or Box (Filli	ng a Bottle or l	Known Volume		Flo	wing Pip	e
Width		ft	Volume		mL	I	Diameter	r	ft
		ft	Time to Fi	11	sec		Depth		ft
Depth	4	1 67	Flow				7-1		1
Depth Velocity Flow	dry	ft/sec	FIOW		gpm		Velocity Flow		ft/sec

		X Routine Inve	stigation		IC/ID Fol	low-Up For			
GENERA	L SITE DESCR	RIPTION		(NAD	83 decimal degrees t	o 5th place)			
Site ID	C-B06-5			Latitude	32.7358	W	Hydrologic	Unit	908
Location	Grated inlet so	utheast of control	ower	Longitude	-117.1863	Watershed	Hydrologic	Area	908.2
Date	06/18/07			TB Page	1288 G7	hed	Hydrologic (Optional)	Subarea	908.21
Time	09:28			Observer	MF, KG		charge Area tional)		
Land Use (Check one		Residentia	Cor	nmercial x I	ndustrial Ag	gricultural	Parks	O	pen
(Optional,	(Secondary) greater than 10%	(b) Residentia	Cor	mmercial I	ndustrial Ag	gricultural	Parks	Open	x None
Conveyand (Check one		Manhole	x Catch	Basin Ou	tlet Concre Channel			Earthen annel	Curb/Gu
ATMOSP	HERIC COND	ITIONS							
Weather	Sunny	x Partly Cloudy	Ove	ercast Fog	***************************************				
Tide	N/A	Low	x Inco		n Out	going	Tide Height	• 1 6 ft	
Last Rain	x > 72 hours					501115	1100 11016111	• 1.0 10.	
Rainfall	x None	< 0.1"	> 0.	1"					
***************************************	CHARACTER		<i></i>	1					
Odor	None	Musty	Ro	tten Eggs	Chemical	Sev	vage	x Other	NA
Color	None	Yellow		own	White	Gra		x Other	
Clarity	Clear		~~····	ghtly Cloudy	Opaque			x Other	
Floatables	x None	Trash	***************************************	bbles/Foam	Sheen	Fec	al Matter	Other	
Deposits	None	x Sediment/Gravel		ne Particulates	Stains	······································	y Deposits	Other	
Vegetation	x None	Limited		rmal	Excessive	011	y Deposits	Other	
Biology	x None			Fish Snail:		Insect/ Algae	Insect/ Snail	Other	
Water Flo	w Flow	ving Ponded	x Dry	Tidal					
Does the st	orm drain flow	reach the Receiv	ing Wate	r?	Yes	No x	N/A		
Evidence o	of Overland Flo	w? Yes	x No	Irrigation	Runoff Oth	er:			
Photo Tak	en x Yes	No Pho	to #		Market and the second s		Torrest Control of the State of	TO THE PERSON OF	
ield Screen	ing Samples Co	ollected? Yes	x No						
Water Tem		NH3-N (r			NO3-N (mg/L)	T	Outho D	2 (7:	1
OH (pH units)		TURB (N			COND (mS/cm)		Ortho-PO Reactive		
- \F \mathred{F}	<u> </u>	10100 (1)			COLITY (HE/CHI)	1	MBAS (r		
Analytical	Lab Samples C	ollected?	Yes	x No			INDPAS (I	ilig/L)	<u></u>
	TIMATION W								
	Creek or Box (g a Bottle or K	nown Volume	············		owing Pipe	
Width			olume		mL		Diameter		ft
Depth Velocity			me to Fill		sec		Depth		ft
		ft/sec Fl	ow	1	gpm	\	elocity	1	ft/sec
Flow	Dry	gpm					low		gpm

		X Routine l	nvestigation		IC/ID Fol	low-Up For	-		
GENERA	L SITE DESCR	IPTION		(NAD	83 decimal degrees t	o 5th place)			
Site ID	C-B07-6			Latitude	32.7308	Wa	Hydrologic U	nit	908
Location	Inlet pipe in man area	hole west of O	WS in cargo	Longitude	-117.1932	Watershed	Hydrologic A	rea	908.2
Date	06/18/07			TB Page	1288 F1	<u>a</u>	Hydrologic St (Optional)	ubarea	908.21
Time	10:16			Observer	MF, KG		charge Area tional)		
Land Use (Check one		Reside	ntial Co	mmercial x	Industrial Ag	gricultural	Parks	Ор	en
	(Secondary) greater than 10%	Reside	ntial Co	mmercial	Industrial Ag	gricultural	Parks	Open	None
Conveyand (Check one		x Manho	le Catc	h Basin O	utlet Concre Channel		Natural Ea eek Chan	rthen nel	Curb/Gut
ATMOSP	HERIC CONDI	ITIONS							
Weather	x Sunny	Partly Cl	oudy Y Ov	ercast Fog	the of the desired and the second an				
Tide	N/A	Low				!	Tida II.i.a.	3 1 6	
Last Rain	x > 72 hours			oming Hig	n Out	going	Tide Height:	2.1 ft.	***************************************
		< 72 hou	·	- Primary and the second and the sec					
Rainfall	x None	< 0.1"	>(0.1"					
RUNOFF	CHARACTER	ISTICS							
Odor	None	Musty	R	otten Eggs	Chemical	Sev	vage	X Other	NA
Color	None	Yellow		rown	White	Gra		X Other	NA
Clarity	Clear		S	ightly Cloudy	Opaque			X Other	NA NA
Floatables	X None	Trash		ubbles/Foam	Sheen	Fec	al Matter	Other	1 12 1
Deposits	None	X Sediment/G	ravel F	ne Particulates	Stains		y Deposits	Other	***************************************
Vegetation	X None	Limited	***************************************	ormal	Excessive		y 20pooles	Other	***************************************
Biology	X None	Insects	Algae	Fish Snail		Insect/ Algae	Insect/ Snail	Other	danna er e i par e e i par e i par a partir i par e i partir i partir i partir i partir i partir i partir i p
Water Flo	w Flow	ving Pon	ded X Di	y Tidal		7 ligue	Jigi	***************************************	
Does the st	orm drain flow	reach the Re	ceiving Wat	er?	Yes	No X	N/A		
Evidence o	f Overland Flo	w?	Yes X No	Irrigation	Runoff Oth	er:	HINNIN HARRANTINA III.		
Photo Tak	e n x Yes	No	Photo #			The state of the s			77447 (144) 14 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
iold Corner	ing Complex Co	-ll4 - J9	V VN						
Water Tem	ning Samples Co	· · · · · · · · · · · · · · · · · · ·	$\frac{\text{Yes}}{\text{-N (mg/L)}} \frac{\text{X No}}{\text{-N (mg/L)}}$) 	NO3-N (mg/L)	I	Ortho DO		
pH (pH units)			B (NTU)		COND (mS/cm)		Ortho-PO4 Reactive-I		
<u> </u>			as (Mo)		СОГОВ (шалеш)	<u> </u>	MBAS (mg		
Analytical	Lab Samples C	ollected?	Yes	X No			TVIENT (Ing	, L)	
	TIMATION W								
<u>Flowing</u> Width	Creek or Box (ng a Bottle or l	Known Volume			wing Pipe	
		ft	Volume	11	mL		Diameter		ft
Depth Velocity		ft	Time to Fi	11	sec		Depth		ft
v CIOCITY		ft/sec	Flow		gpm	\	elocity		ft/sec
Flow	Dry	gpm	ł				low		

		X Routine In	vestigation		IC/ID Fo	llow-Up For	•		
GENERA!	L SITE DESC	RIPTION		(NAD	83 decimal degrees	to 5th place)			
Site ID	C-B07-7			Latitude	32.7300	Wg	Hydrologic l	U nit	908
Location		south end of Delta est of west wing	cargo	Longitude	-117.1939	Watershed	Hydrologic A	Area	908.2
Date	06/18/07			TB Page	1288 F1	Ted.	Hydrologic S (Optional)	Subarea	908.21
Time	06:45			Observer	MF		charge Area tional)		
Land Use (Check one		Residen	tial Cor	nmercial x l	ndustrial A	gricultural	Parks	Op	en
(Optional,	(Secondary) greater than 10	%) Residen	tial Cor	nmercial	Industrial A	gricultural	Parks	Open	x None
Conveyand (Check one		Manhol	e x Catch	Basin O	utlet Concu Channe			arthen nnel	Curb/G
ATMOSP	HERIC COND	ITIONS							
Weather	Sunny	Partly Clo	udv x Ove	rcast Fog	· · · · · · · · · · · · · · · · · · ·				
ride	N/A	X Low		oming Hig	*************************	tgoing	Tide Height:	0 8 ft	
ast Rain	x > 72 hour			ming Ing	u Ou	ngomg	Tiue Height:	-0.0 II.	
Rainfall	x None	< 0.1"	> 0.	1 ??					
(1117) 1113 - 1117 - 11	CHARACTER			1					
Odor	None	Musty	Ro	tten Eggs	Chemical	Ser	vage	X Other	NA
Color	None	Yellow	***************************************	own	White	Gra		X Other	
Clarity	Clear	PARTITION OF THE PARTIT		ghtly Cloudy	Opaque	Ore		X Other	NA NA
loatables	None	X Trash		bbles/Foam	Sheen	Fec	al Matter	Other	11/7
Deposits	None	X Sediment/Gra		ne Particulates	Stains		y Deposits	Other	11177-1177-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
/egetation	X None	Limited	~~~~	rmal	Excessive		у Дерозиз	Other	***************************************
Biology	X None			Fish Snail	***************************************	Insect/ Algae	Insect/ Snail	Other	N (fam is beneated to 1 pp 1
Water Flo	w Flo	wing Ponde	ed X Dry	/ Tidal	esternorman and an analysis of the control of the c				THE RESERVE OF THE PERSON OF T
Does the st	orm drain flov	v reach the Rec	eiving Wate	r?	Yes	No X	N/A		
Evidence o	f Overland Flo	ow? Y	es X No	Irrigation	Runoff Oth	ner:			
Photo Tak	en x Yes	No P	hoto #			PROF IN PROOFESIALATIVE MIGHAN PROPERTY OF THE WAY THAT MIGHAN MIGHAN MIGHAN MIGHAN MIGHAN MIGHAN MIGHAN MIGHAN	M / Mark 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1		***************************************
ald Career	ing Complex C	'allastad? X	Z VN						
Water Tem	ing Samples C		es X No		NO3-N (mg/L)		O-the DC	~ ~	<u> </u>
H (pH units)	<u> </u>	TURE			COND (mS/cm)		Ortho-PC Reactive-		
,		1.010	(21.0)		COTAD (III3/CIII)	1	MBAS (m		
Analytical	Lab Samples (Collected?	Yes	X No			Limbo (II	ig/L)	1
	FIMATION W Creek or Box	ORKSHEETS Culvert	Fillin	g a Bottle or k	Known Volume		Ele	owing Pipe	
Vidth		ft	Volume	- Dotter of 1	mL		Diameter	wing ripe	ft
Depth		ft	Time to Fill		sec		Depth		ft
elocity		ft/sec	Flow		gpm		/elocity		ft/sec
low	Dry	gpm					low		gpm
		L							∪a .

		X Routine Invest	igation		IC/ID I	Follow-Up	For _		-	
GENERA!	L SITE DESCR	RIPTION		(NAD	83 decimal degre	es to 5th place)			
Site ID	C-B08-8			Latitude	32.7336		۶ I	Hydrologic Unit		908
Location	Grated inlet N	W of T1E, across from	om G8	Longitude	-117.1967		Watershed I	Hydrologic Area		908.2
Date	06/18/07			TB Page	1288 F1			Hydrologic Subar Optional)	rea	908.21
Time	09:55			Observer	MF, KG			arge Area		
Land Use (Check one		Residential	Com	mercial x I	ndustrial	Agricultura	ıl	Parks	Op	en
(Optional,	(Secondary) greater than 10%	(6) Residential	Com	mercial I	ndustrial	Agricultura	ıl	Parks Ope	n	None
Conveyand (Check one		Manhole	x Catch 1	Basin Ot	ıtlet Cor Chanı	ncrete nel	Na Creel	tural Earther k Channel	1	Curb/Gut
ATMOSP	HERIC COND	ITIONS								
Weather	x Sunny	Partly Cloudy	Over	cast Fog						
Tide	N/A	Low	x Incor		***************************************	Outgoing	Т	Tide Height: 1.7 f	t	
Last Rain	x > 72 hours	**************************************				3450115		1.71		······································
Rainfall	x None	< 0.1"	> 0.1	99						
· · · · · · · · · · · · · · · · · · ·	CHARACTER	THE PROPERTY OF THE PROPERTY O		THE PROPERTY OF THE PARTY OF TH						
Odor	x None	Musty	Rot	ten Eggs	Chemica	.1	Sewa	ge	Other	
Color	x None	Yellow	Bro		White		Gray		Other	**************************************
Clarity	x Clear		Slig	htly Cloudy	Opaque				Other	
Floatables	None	x Trash	***************************************	bles/Foam	Sheen		Fecal		Other	
Deposits	None	x Sediment/Gravel	Fine	Particulates	Stains		***************************************		Other	***************************************
Vegetatior	x None	Limited	Nor	mal	Excessiv				Other	
Biology	x None	Insects Alg	ae F	ish Snail		s/ Insec	ct/		Other	PERMITE
Water Flo	w Flow	ving x Ponded	Dry	Tidal			**************************************	Acres Hilliam International Control of the Control		TO THE RESERVE OF THE PARTY OF
Does the st	torm drain flow	reach the Receivin	ng Water	?	Yes	No	x N/.	A		
Evidence o	of Overland Flo	w? Yes	x No	Irrigation	Runoff C	Other:				
Photo Tak	en x Yes	No Photo)#		000004-0-1117-1217-127-127-127-127-127-127-127-1					
ield Scree	ning Samples Co	ollected? x Yes	No							
Water Tem		NH3-N (mg			NO3-N (mg/L)	ND		Ortho-PO ₄ (mg/l	L)	1.0
pH (pH units	<u> </u>	TURB (NT			COND (mS/cm			Reactive-P (mg/		0.326
Analytical	Lab Samples C	Collected? X	Yes	No				MBAS (mg/L)		0.625
	TIMATION W									
Flowing	Creek or Box	Culvert		a Bottle or k	Known Volun	ne		Flowing	Pipe	
Width		ft Vo	lume		ml		Dia	meter		ft
		ft Tir	ne to Fill		sec	;	Der			ft
Depth										
	ponded	ft/sec Flo	W		gp	m	Vel	ocity		ft/sec

		X Routine In	vestigation	l		IC/ID F	ollow-Up	For		·	
<u>GENERA</u>	L SITE DESCR	IPTION	····	(N	AD 83 d	ecimal degree	s to 5th place	;)			
Site ID	C-B12-9			Latitude	32	2.7351		3W	Hydrologic U	J nit	908
Location	Grated inlet in	west RON		Longitud	ie -1	17.2044		Watershed	Hydrologic A	\rea	908.2
Date	06/18/07			TB Page	12	268 E7		E	Hydrologic S (Optional)	Subarea	908.21
Time	09:49			Observe	r M	IF, KG			narge Area onal)		
Land Use (Check one		Residen	tial Co	mmercial	x Indu	strial A	Agricultura		Parks	O ₁	oen
(Optional,	(Secondary) greater than 10%	Residen	tial Co	mmercial	Indu	ıstrial A	Agricultura	ıl	Parks	Open	x None
Conveyand (Check one		Manhol	e x Catcl	h Basin	Outlet	Conc Channe		N Cre		orthen nnel	Curb/G
ATMOSP	HERIC CONDI	TIONS									
Weather	x Sunny	Partly Clo	udy Ov	rercast]	Fog	To a second seco					
Γide	N/A	Low			High	0	utgoing		Tide Height:	1.7 ft.	
Last Rain	x > 72 hours	< 72 hours	***************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	<i>S</i>						
Rainfall	x None	< 0.1").1"							
	CHARACTERI	***************************************		/• I							
Odor	None	Musty	R	otten Eggs		Chemical	-	Sew	age	x Other	NA
Color	None	Yellow		rown	***************************************	White		Gray		x Other	NA
Clarity	Clear	- Andrews - Andr	Si	lightly Cloud	iv	Opaque	***************************************			x Other	NA
loatables	X None	Trash	~~~	ubbles/Foam		Sheen		Feca	l Matter	Other	11/1
Deposits	None	X Sediment/Gra		ine Particula		Stains	~~		Deposits	Other	
Vegetation	X None	Limited		ormal		Excessive				Other	
Biology	X None	Insects	Algae		nails	Mussels/ Barnacles	***************************************	ct/	Insect/ Snail	Other	
Water Flo	w Flow	ing x Ponde	ed Dr	y Tidal	***************************************						***************************************
	orm drain flow			£	······································	Yes	No	X N	N/A		
	of Overland Flor	_	es X No		ion Rui	······································	ther:	71.1	1 /2 X		
Photo Tak					ion itu	1011 01	uici.	fade lineares stress	TO COME OF THE COM		
THOIO TAK	en x Yes	No P	hoto #			***************************************					
eld Screer	ning Samples Co	ollected?	es X No	O							
Water Tem	p (°C)		(mg/L)		NO	3-N (mg/L)		-	Ortho-PO	4 (mg/L)	T
H (pH units)		TURE	(NTU)		CO	ND (mS/cm)			Reactive-	P (mg/L)	
\nalytical	Lab Samples C	ollected?	Yes	X No					MBAS (m	g/L)	
	TIMATION W										
Flowing	Creek or Box (Culvert		ng a Bottle o	or Kno		e			wing Pipe	
<i>W</i> idth		ft	Volume			mL		_	iameter		ft
		ft	Time to Fi	<u>II </u>		sec		_	epth		ft
		ft/sec	Flow	ŀ		gpm		W	elocity		ft/sec
Depth Velocity Flow	Dry	gpm	11011			Spin		-	ow		10/800

			ther Monit	8				
		X Routine Investigation	1	IC/ID Follow-l	J p For _			
GENERA	L SITE DESCR	RIPTION	(NAD	83 decimal degrees to 5th p	lace)			
Site ID	C-B09-10		Latitude	32.7301		Hydrologic U	Jnit	908
Location	Manhole near side of entranc	T2 parking entrance, on N ee road	Longitude	-117.1999	┨╬╟	Hydrologic A		908.2
Date	06/18/07		TB Page	1288 F1] 1	Hydrologic S Optional)	ubarea	908.21
Time	11:10		Observer	MF, KG		arge Area		
Land Use (Check one		Residential Co	mmercial x I	ndustrial Agricul		Parks	Op	en
	(Secondary) greater than 10%	Residential Cor	mmercial I	Industrial Agricul	tural	Parks	Open	None
Conveyand (Check one		x Manhole Catcl	h Basin Ou	utlet Concrete Channel	Na Creel		rthen nnel	Curb/Gut
ATMOSP:	HERIC COND	ITIONS					1 Paper 1 Paper 1 1 Paper 1 1 Paper 1 1 Paper	
Weather	X Sunny	Partly Cloudy Ov	vercast Fog	CAMP LINE STREET, CALLED SEE				
Tide	N/A	The state of the s	oming High	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	. 1	ide Height:	3.1 ft	
Last Rain	x > 72 hours			o augusti		1400 110161111	J.1 1t.	With the state of the property of the state
Rainfall	x None	< 0.1" > 0).1"					
RUNOFF Odor	CHARACTER: None		otten Eggs	Chemical	Sewag	ge	x Other	NA
Color	None		rown	White	Gray		x Other	NA
Clarity	Clear	SI	ightly Cloudy	Opaque	······································	Permananta productive de la companya	x Other	NA
Floatables	None		ubbles/Foam	Sheen	Fecal	Matter	Other	
Deposits	None		ne Particulates	Stains	Oily I	Deposits	Other	***************************************
Vegetation		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ormal	Excessive			Other	***************************************
Biology	X None	Insects Algae	Fish Snails	s Mussels/ In Barnacles Alg	isect/	Insect/ Snail	Other	
Water Flo	T71					SHAH		
***************************************		ving Ponded X Dr				Silan	The state of the s	POPULATION CONTRACTOR
***************************************		ving Ponded X Dr reach the Receiving Wate		Yes No	X N/	700 Proceedings (1871)		THE STATE OF THE S
Does the st		reach the Receiving Wate	er?			700 Proceedings (1871)	Annual Property Control of the Second	Part Part Part Part Part Part Part Part
Does the st	orm drain flow	reach the Receiving Wate	er?			700 Proceedings (1871)		
Does the st Evidence o Photo Tak	orm drain flow of Overland Flow en x Yes	reach the Receiving Wate w? Yes X No No Photo #	er? Irrigation			700 Proceedings (1871)		
Does the st Evidence o Photo Tak ield Screer	orm drain flow of Overland Flow en x Yes ning Samples Co	reach the Receiving Wate w? Yes X No No Photo #	er? Irrigation	Runoff Other:		'A	4 (mg/l)	
Does the st Evidence o Photo Tak ield Screen Water Tem	orm drain flow of Overland Flow en x Yes ning Samples Co	w? Yes X No No Photo # ollected? Yes X No	er? Irrigation			700 Proceedings (1871)		
Does the st Evidence of Photo Take ield Screen Water Tem pH (pH units)	orm drain flow of Overland Flow en x Yes ning Samples Co	reach the Receiving Water w? Yes X No No Photo # ollected? Yes X No NH3-N (mg/L) TURB (NTU)	er? Irrigation	Runoff Other: NO3-N (mg/L)		Ortho-PO	P (mg/L)	
Does the st Evidence of Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW ES	orm drain flow of Overland Flow en x Yes ning Samples Co p (°C) Lab Samples C	reach the Receiving Wate w? Yes X No No Photo # ollected? Yes X No NH3-N (mg/L) TURB (NTU) collected? Yes ORKSHEETS	Irrigation X No	Runoff Other: NO3-N (mg/L) COND (mS/cm)		Ortho-PO-Reactive-I	P (mg/L)	
Does the st Evidence of Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW EST	orm drain flow of Overland Flow en x Yes ning Samples Co	reach the Receiving Wate w? Yes X No No Photo # ollected? Yes X No NH3-N (mg/L) TURB (NTU) collected? Yes ORKSHEETS	Irrigation	Runoff Other: NO3-N (mg/L) COND (mS/cm)	X N/	Ortho-PO-Reactive-HMBAS (mg	P (mg/L)	
Does the st Evidence of Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW EST Flowing Width Depth	orm drain flow of Overland Flow en x Yes ning Samples Co p (°C) Lab Samples C	reach the Receiving Wate w? Yes X No No Photo # ollected? Yes X No NH3-N (mg/L) TURB (NTU) collected? Yes ORKSHEETS Culvert Filling	Er? Irrigation X No Again a Bottle or K	Runoff Other:	X N/	Ortho-PO- Reactive-I MBAS (mg	P (mg/L)	ft ft
Does the st Evidence of Photo Take ield Screen Water Tem pH (pH units) Analytical FLOW EST Flowing Width	orm drain flow of Overland Flow en x Yes ning Samples Co p (°C) Lab Samples C	reach the Receiving Water w? Yes X No No Photo # ollected? Yes X No NH3-N (mg/L) TURB (NTU) collected? Yes ORKSHEETS Culvert Filling	Er? Irrigation X No Again a Bottle or K	Runoff Other:	X N/	Ortho-PO- Reactive-I MBAS (mg	P (mg/L)	

COMMENTS: Site has some residual moisture, too little volume to take a sample.



Project: NA
Project Number: SA5072
Project Manager: Don Ostrand

Reported: 06/27/07 08:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
C-B01-1	0706365-01	Liquid	06/18/07 08:13	06/18/07 13:00
C-B08-8	0706365-02	Liquid	06/18/07 10:30	06/18/07 13:00

CASE NARRATIVE

SAMPLE RECEIPT: Samples were received intact, at 4 °C, and accompanied by chain of custody documentation.

PRESERVATION: Samples requiring preservation were verified prior to sample preparation and analysis.

HOLDING TIMES: All holding times were met, unless otherwise noted in the report with data qualifiers.

QA/QC CRITERIA: All quality objective criteria were met, except as noted in the report with data qualifiers.



Project: NA
Project Number: SA5072
Project Manager: Don Ostrand

Reported: 06/27/07 08:57

Microbiological Parameters by APHA Standard Methods Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1 (0706365-01) Liquid	Sampled: 06/18/07 08:13	Received:	06/18/07 1	13:00					
Enterococcus	560	1 C	FU/100 mL	1	B7F1912	06/18/07	06/18/07	SM 9230C	
Fecal Coliforms	<2.0	1.0	"	"	"	"	"	SM 9222D	
Total Coliforms	100	1.0	"	"	"	"	"	SM 9222B	
C-B08-8 (0706365-02) Liquid	Sampled: 06/18/07 10:30	Received:	06/18/07 1	13:00					
Enterococcus	80	1 C	FU/100 mL	1	B7F1912	06/18/07	06/18/07	SM 9230C	
Fecal Coliforms	<2.0	1.0	"	"	"	"	"	SM 9222D	
Total Coliforms	840	1.0	"	"	"	"	"	SM 9222B	



Project: NA
Project Number: SA5072
Project Manager: Don Ostrand

Reported: 06/27/07 08:57

Conventional Chemistry Parameters by APHA/EPA Methods Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1 (0706365-01) Liquid Sampled:	06/18/07 08:13	Received:	06/18/07	7 13:00					
Total Hardness	174	0.400	mg/L	1	B7F1924	06/18/07	06/18/07	SM 2340 C	
Hexane Extractable Material (HEM)	2.10	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	0.240	0.100	"	"	"	"	"	EPA 425.1	
C-B08-8 (0706365-02) Liquid Sampled:	06/18/07 10:30	Received:	06/18/07	7 13:00					
Total Hardness	331	0.400	mg/L	1	B7F1924	06/18/07	06/18/07	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	"	"	"	EPA 1664	
Methylene Blue Active Substances	0.150	0.100	"	"	"	"	"	EPA 425.1	



Ocean Blue Env. ServicesProject:
Project Number:NA3110 Hancock StreetProject Number:SA5072Reported:San Diego CA, 92110Project Manager:Don Ostrand06/27/07 08:57

Metals (Dissolved) by EPA 200 Series Methods Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1 (0706365-01) Liquid	Sampled: 06/18/07 08:13	Received:	06/18/0	7 13:00					
Cadmium	ND	0.0040	mg/L	1	B7F2017	06/20/07	06/21/07	EPA 200.7	
Copper	0.27	0.011	"	"	"	"	06/21/07	"	
Lead	ND	0.015	"	"	"	"	06/21/07	"	
Zinc	0.076	0.013	"	"	"	"	"	"	
C-B08-8 (0706365-02) Liquid	Sampled: 06/18/07 10:30	Received:	06/18/0	7 13:00					
Cadmium	ND	0.0040	mg/L	1	B7F2017	06/20/07	06/21/07	EPA 200.7	
Copper	0.020	0.011	"	"	"	"	06/21/07	"	
Lead	ND	0.015	"	"	"	"	06/21/07	"	
Zinc	0.036	0.013	"	"	"	"	"	"	



Project: NA
Project Number: SA5072
Project Manager: Don Ostrand

Reported: 06/27/07 08:57

Organophosphorus Pesticides by EPA Method 8270C (8141A) Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B01-1 (0706365-01) Liquid	Sampled: 06/18/07 08:13	Received:	06/18/07	7 13:00					
Azinphos methyl	ND	5.0	μg/L	1	B7F0810	06/20/07	06/21/07	EPA 8270C	
Bolstar	ND	5.0	"	"	"	"	"	"	
Chlorpyrifos	ND	5.0	"	"	"	"	"	"	
Coumaphos ND		5.0	"	"	"	"	"	"	
Demeton	ND	5.0	"	"	"	"	"	"	
Diazinon	ND	5.0	"	"	"	"	"	"	
Dichlorvos	ND	5.0	"	"	"	"	"	"	
Dimethoate	ND	5.0	"	"	"	"	"	"	
Disulfoton	ND	5.0	"	"	"	"	"	"	
EPN	ND	5.0	"	"	"	"	"	"	
Ethion	ND	5.0	"	"	"	"	"	"	
Ethoprop	ND	5.0	"	"	"	"	"	"	
Fensulfothion	ND	5.0	"	"	"	"	"	"	
Fenthion	ND	5.0	"	"	"	"	"	"	
Malathion	ND	5.0	"	"	"	"	"	"	
Merphos	ND	5.0	"	"	"	"	"	"	
Methyl parathion	ND	5.0	"	"	"	"	"	"	
Mevinphos	ND	5.0	"	"	"	"	"	"	
Monocrotophos	ND	5.0	"	"	"	"	"	"	
Naled	ND	5.0	"	"	"	"	"	"	
Parathion	ND	5.0	"	"	"	"	"	"	
Phorate	ND	5.0	"	"	"	"	"	"	
Ronnel	ND	5.0	"	"	"	"	"	"	
Sulfotep	ND	5.0	"	"	"	"	"	"	
Tetrachlorvinphos	ND	5.0	"	"	"	"	"	"	
Tokuthion (Prothiofos)	ND	5.0	"	"	"	"	"	m m	
Trichloronate	ND	5.0	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5		73.2 %	23-	120	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		105 %	30-	115	"	"	"	"	
Surrogate: Terphenyl-d14		81.9 %	18-	137	"	"	"	"	



Project: NA
Project Number: SA5072
Project Manager: Don Ostrand

Reported: 06/27/07 08:57

Organophosphorus Pesticides by EPA Method 8270C (8141A) Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C-B08-8 (0706365-02) Liquid	Sampled: 06/18/07 10:30	Received:	06/18/0	7 13:00					
Azinphos methyl	ND	5.0	μg/L	1	B7F0810	06/20/07	06/21/07	EPA 8270C	
Bolstar	ND	5.0	"	"	"	"	"	"	
Chlorpyrifos	5.0	"	"	"	"	"	"		
Coumaphos	ND	5.0	"	"	"	"	"	"	
Demeton	ND	5.0	"	"	"	"	"	"	
Diazinon	ND	5.0	"	"	"	"	"	"	
Dichlorvos	ND	5.0	"	"	"	"	"	"	
Dimethoate	ND	5.0	"	"	"	"	"	"	
Disulfoton	ND	5.0	"	"	"	"	"	"	
EPN	ND	5.0	"	"	"	"	"	"	
Ethion	ND	5.0	"	"	"	"	"	"	
Ethoprop	ND	5.0	"	"	"	"	"	"	
Fensulfothion	ND	5.0	"	"	"	"	"	"	
Fenthion	ND	5.0	"	"	"	"	"	"	
Malathion	ND	5.0	"	"	"	"	"	"	
Merphos	ND	5.0	"	"	"	"	"	"	
Methyl parathion	ND	5.0	"	"	"	"	"	"	
Mevinphos	ND	5.0	"	"	"	"	"	"	
Monocrotophos	ND	5.0	"	"	"	"	"	"	
Naled	ND	5.0	"	"	"	"	"	"	
Parathion	ND	5.0	"	"	"	"	"	"	
Phorate	ND	5.0	"	"	"	"	"	"	
Ronnel	ND	5.0	"	"	"	"	"	"	
Sulfotep	ND	5.0	"	"	"	"	"	"	
Tetrachlorvinphos	ND	5.0	"	"	"	"	"	"	
Tokuthion (Prothiofos)	ND	5.0	"	"	"	"	"	"	
Trichloronate	ND	5.0	"	"	"	"	"	m .	
Surrogate: Nitrobenzene-d5		71.7 %	23	-120	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		82.8 %	30	-115	"	"	"	"	
Surrogate: Terphenyl-d14		97.9 %	18	-137	"	"	"	"	



Project: NA
Project Number: SA5072
Project Manager: Don Ostrand

Reported: 06/27/07 08:57

RPD

%REC

Metals (Dissolved) by EPA 200 Series Methods - Quality Control Sierra Analytical Labs, Inc.

Spike

Source

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B7F2017 - EPA 200 Series										
Blank (B7F2017-BLK1)				Prepared:	06/20/07	Analyzed	1: 06/21/07			
Cadmium	ND	0.0040	mg/L							
Copper	ND	0.011	"							
Lead	ND	0.015	"							
Zinc	ND	0.013	"							
LCS (B7F2017-BS1)				Prepared:	06/20/07	Analyzed	1: 06/21/07			
Cadmium	0.183	0.0040	mg/L	0.200		91.5	85-115			
Copper	0.188	0.011	"	0.200		94.0	85-115			
Zinc	0.185	0.013	"	0.200		92.5	85-115			
Matrix Spike (B7F2017-MS1)	Sou	rce: 070636	5-01	Prepared:	06/20/07	Analyzed	1: 06/21/07			
Cadmium	0.186	0.0040	mg/L	0.200	0.0011	92.4	70-130			
Copper	0.481	0.011	"	0.200	0.27	106	70-130			
Zinc	0.265	0.013	"	0.200	0.076	94.5	70-130			
Matrix Spike Dup (B7F2017-MSD1)	Sou	rce: 070636	5-01	Prepared:	06/20/07	Analyzed	1: 06/21/07			
Cadmium	0.189	0.0040	mg/L	0.200	0.0011	94.0	70-130	1.60	20	
Copper	0.504	0.011	"	0.200	0.27	117	70-130	4.67	20	
Zinc	0.273	0.013	"	0.200	0.076	98.5	70-130	2.97	20	



Project: NA
Project Number: SA5072
Project Manager: Don Ostrand

Reported: 06/27/07 08:57

Organophosphorus Pesticides by EPA Method 8270C (8141A) - Quality Control

Sierra Analytical Labs, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch B71	F 0810 - I	EPA 35100	C Sep	Funnel
-----------	-------------------	-----------	-------	--------

Blank (B7F0810-BLK1)				Prepared: 06/06/07 Analyzed: 06/07/07	
Azinphos methyl	ND	5.0	μg/L	-	
Bolstar	ND	5.0	"		
Chlorpyrifos	ND	5.0	"		
Coumaphos	ND	5.0	"		
Demeton	ND	5.0	"		
Diazinon	ND	5.0	"		
Dichlorvos	ND	5.0	"		
Dimethoate	ND	5.0	"		
Disulfoton	ND	5.0	"		
EPN	ND	5.0	"		
Ethion	ND	5.0	"		
Ethoprop	ND	5.0	"		
Fensulfothion	ND	5.0	"		
Fenthion	ND	5.0	"		
Malathion	ND	5.0	"		
Merphos	ND	5.0	"		
Methyl parathion	ND	5.0	"		
Mevinphos	ND	5.0	"		
Monocrotophos	ND	5.0	"		
Naled	ND	5.0	"		
Parathion	ND	5.0	"		
Phorate	ND	5.0	"		
Ronnel	ND	5.0	"		
Sulfotep	ND	5.0	"		
Tetrachlorvinphos	ND	5.0	"		
Tokuthion (Prothiofos)	ND	5.0	"		
Trichloronate	ND	5.0	"		
Surrogate: Nitrobenzene-d5	2.74		"	10.0 27.4 23-120	
Surrogate: 2-Fluorobiphenyl	5.41		"	10.0 54.1 30-115	
Surrogate: Terphenyl-d14	10.4		"	10.0 104 18-137	



Analyte

Acenaphthene

Pyrene

1,4-Dichlorobenzene

N-Nitrosodi-n-propylamine

1,2,4-Trichlorobenzene

2,4-Dinitrotoluene

Project: NA
Project Number: SA5072
Project Manager: Don Ostrand

Reported: 06/27/07 08:57

RPD

Limit

30

30

30

30

30

30

Notes

%REC

Limits

RPD

%REC

70.0

52.2

64.7

19.8

90.9

55.6

47-145

20-124

39-139

0-230

52-115

44-142

3.78

10.9

5.85

9.62

12.5

2.49

Organophosphorus Pesticides by EPA Method 8270C (8141A) - Quality Control

Sierra Analytical Labs, Inc.

Units

Spike

Level

10.0

10.0

10.0

10.0

10.0

10.0

Source

Result

Reporting

Result

7.00

5.22

6.47

1.98

9.09

5.56

Limit

5.0

5.0

5.0

5.0

5.0

5.0

LCS (B7F0810-BS1)				Prepared: 06/0	06/07 Analyzed	1: 06/07/07
Acenaphthene	7.27	5.0	μg/L	10.0	72.7	47-145
1,4-Dichlorobenzene	5.82	5.0	"	10.0	58.2	20-124
2,4-Dinitrotoluene	6.86	5.0	"	10.0	68.6	39-139
N-Nitrosodi-n-propylamine	2.18	5.0	"	10.0	21.8	0-230
Pyrene	10.3	5.0	"	10.0	103	52-115
1,2,4-Trichlorobenzene	5.70	5.0	"	10.0	57.0	44-142
LCS (B7F0810-BS2)				Prepared: 06/0	06/07 Analyzed	1: 06/07/07
Acenaphthene	7.07	5.0	μg/L	10.0	70.7	47-145
1,4-Dichlorobenzene	5.83	5.0	"	10.0	58.3	20-124
2,4-Dinitrotoluene	6.20	5.0	"	10.0	62.0	39-139
N-Nitrosodi-n-propylamine	1.84	5.0	"	10.0	18.4	0-230
Pyrene	9.64	5.0	"	10.0	96.4	52-115
,2,4-Trichlorobenzene	5.76	5.0	"	10.0	57.6	44-142
CS Dup (B7F0810-BSD1)				Prepared: 06/0	06/07 Analyzed	1. 06/07/07

 $\mu g \! / \! L$



Ocean Blue Env. ServicesProject:
Project Number:NA3110 Hancock StreetProject Number:SA5072Reported:San Diego CA, 92110Project Manager:Don Ostrand06/27/07 08:57

Notes and Definitions

_<2.0 <2.0

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Appendix B

FY06-07 Illicit Discharge

Detection and Elimination

Report Log

Storm Water Management Plan -	Municipal Stormwater Pern	nit	



		Log of IDDE Reports to SDIA 24-hour Telephone Line Fiscal Year 2006-2007
Subject /Topic	Date	Log Entry Synopsis
Trash-Spill Landside		07:18 ATO reports there is debris in the street as you exit T1. Advised MX.
Wildlife/IPM	7/3/2006	11:40 Maintenance respond to a report of a swarm of bees reported between G27 & 29. 19:45 AA aircraft MX reports bees have swarmed and nested on a cone at gate 27 beneath the left wing of the aircraft. 21:19 Bee exterminators removed the swarm.
Wildlife/IPM	7/4/2006	9:00 Maint-1 respond to the VSR north of the runway and west of taxiway C4 to remove an injured Caspian Tern.
Trash-Spill Landside	7/6/2006	6:20 Maintenance called to report a trash bag street side of building A that the birds are getting into. Notified SPC for pick up.
Wildlife/IPM	7/6/2006	18:38 BSO reports mosquitoes in the back office. Told him he could spray insect repellent.
Trash-Spill Airside	7/8/2006	08:24 Received call about joint cuttings debris on east ramp. 08:27 Contacted FCI to request clean-up. 08:40 E ramp clean.
Trash-Spill Landside	7/9/2006	08:23 ATO reports there is broken glass curbside T2 baggage claim. Advised SPC.
Trash-Spill Landside	7/9/2006	18:24 ATO Supervisor reports T2W curbside trash needs emptying. Notified SPC.
Trash-Spill	7/10/2006	14:05 Zebra 3 reports T2W compactors are OTS. Pacific Waste has been notified and is en route to service.
Airside Trash-Spill	7/12/2006	12:10 Pile of trash on NTC landfill. No construction contractor could be identified as responsible party. Determined to
Landside	7/40/0000	be illegal dumping. Environmental submitted work request to MX.
Trash-Spill Landside		11:30 ATO called to report radiator fluid curbside in front of Delta skycaps. Notified MX.
Petroleum-Spill Airside		13:27 Responded to reported fuel spill at gate 20. ASIG fuel truck spilled 1-2 gallons from hard braking. Clean up in progress. No storm drains impacted.
Wildlife/IPM	7/16/2006	15:09 Ann with AA reports bee swarm on lav truck right front bumper located near gate 25. Notified MX. 1713 Bee issue resolved.
Construction	7/17/2006	09:30 Notified FDD concerning the large amount of trash that is being left in the electrical room above UA baggage
Maintenance		makeup by Neal. MX removed 4 large trash bags full of waste from the area this morning. Adrian advised he will ensure the project inspector and the contractor respond appropriately.
Wildlife/IPM	7/17/2006	16:06 HP reports there is an indoor nest of birds T2W bag claim in the far east end, second light fixture from the wall. Email to Wildlife personnel.
Trash-Spill Landside	7/18/2006	08:15 Paging called regarding a clean-up curbside at Delta. Notified SPC.
Trash-Spill Airside	7/22/2006	16:40 Contacted Allied Waste Dispatch with regards to compactor abeam T1E. The compactor is cycling very slowly. Trash bags are piling up on the ground. 17:00 Allied Waste maintenance technician on site and troubleshooting the compactor. Determined the hydraulic fluid reservoir for the compactor's motor to be low on fluid. Fluid added and compactor is restored to full operation. SPC has directed to throw the trash bags piled onto the ground into the compactor for disposal.
Trash-Spill Airside	7/23/2006	06:58 Contacted Allied Waste for service on the compactor in T1. He stated he would been en route.
Trash-Spill Airside	7/24/2006	07:39 ATO reports someone vomited curbside AA. Advised SPC.
Trash-Spill Airside	7/24/2006	08:38 SPC reports people are putting trash bags on the outside of the compactor in T1. The compactor is not full. He has cleaned up some of the area, but there are still several bags outside of the compactor. Zebra 2 advised he will go check the area.
Trash-Spill Landside	7/24/2006	19:19 ATO reports trash cans curbside UA need to be emptied. Notified SPC.
Trash-Spill Airside	7/24/2006	11:53 SPC gated storage area neart T2 connector/baggage carts. Water leaking from powerwashing equipment into the storm drain. Environmental notified SPC.
Wildlife/IPM	7/24/2006	14:10 Weed removal work completed for the day by Maintenance personnel. All pedestrian gates between MCRD and the Airport are secure.
Trash-Spill Airside	7/25/2006	19:25 Left voice message for Allied Waste. Trash compactor across from gate 4 not functioning properly.
Wildlife/IPM	7/25/2006	9:00 Coordinated weed removal behind the blast fence runway 27, in the triangle area adjacent to the ATCT, and along the former GD fence line.
Trash-Spill Airside	7/26/2006	08:15 Post Office on Stillwater Road called to report that the fire hydrant across from the Southwest cargo building is leaking again. Notified Authority plumber.
Trash-Spill Airside	7/27/2006	07:10 Responded to FOD (tumbleweed) reported near runway 27 between B-1and Delta. Unable to locate, ATCT advised.
Trash-Spill Airside	7/27/2006	09:00 Coordinated weed/FOD removal operations along and between the MCRD fence line.
Wildlife/IPM	7/27/2006	16:16 UA BSO reports mosquitoes in their office after leaving an insect repellant bomb last evening. Notified MX.
Trash-Spill Airside	7/30/2006	10:43 Accumulation of trash, debris, and grime at T2 connector loading dock. Environmental notified Host.
Trash-Spill	7/31/2006	11:27 Blue lavatory waste deodorant spill in United Cargo area. Environmental notified United Airlines.

		Log of IDDE Reports to SDIA 24-hour Telephone Line Fiscal Year 2006-2007
Subject /Topic	Date	Log Entry Synopsis
Wildlife/IPM		19:14 WN reports mosquitoes ramp side gate 3. Notified MX.
Trash-Spill Airside	8/1/2006	12:05 HMS Host called to report that the trash compactor is not working by American at the T2W/T2E transition. Notified Allied Waste. 15:30 Allied Waste reported that the trash compactors are back in service.
Wildlife/IPM	8/1/2006	07:25 HPD called to report mosquitoes coming out of the ceiling tiles at checkpoint 2. Notified MX.
Petroleum-Spill		22:10 ASIG supervisor reported a fuel spill at gate 40. Approximately 5 Fuel/Petroleum gallons spilled out the aircraft
Airside		vent tube. No product entered the storm Spill (POL) drains. ASIG in process of cleaning up the spill.
Trash-Spill Landside	8/2/2006	06:30 Travelers Aid called to report that seagulls have gotten into the trash near the "Reserve" parking in Terminal 1 parking lot. Notified LPI for clean-up.
Trash-Spill Landside	8/4/2006	19:24 ATO reports T1 bag claim curbside trash cans need service. Notified SPC.
Trash-Spill Landside	8/4/2006	16:03 ATO reports T1 curbside trash needs to be emptied. Notified SPC.
Trash-Spill Airside	8/7/2006	16:34 Environmental reports spill and trash bags at T1 compactor. Notified SPC for clean up.
Trash-Spill Landside	8/7/2006	19:38 ATO reports broken car window curbside HP. Notified SPC for cleanup.
Trash-Spill Airside	8/8/2006	10:53 Airport 9 advised that the T2 connector trash compactor will be removed from 13:00 - 16:00 for so that the area can be steamed cleaned. Ocean Blue cleaned T2 dumpster area. Trash compactor returned to service by Allied Waste.
Trash-Spill Airside	8/8/2006	13:35 Removed FOD from oval.
Wildlife/IPM		12:05 American Operations called to report a swarm of bees at Bee Swarm gate 29 and their GSE. Notified MX.
Trash-Spill Landside	8/11/2006	08:40 American Airlines called to report a broken sprinkler on Harbor Island across from the employee parking lot. She stated it is on at approximately 0415. Notified MX.
Trash-Spill Landside	8/12/2006	17:29 ATO requests trash service at courtesy island T2. Notified SPC.
Trash-Spill Airside	8/14/2006	11:00 White powder spill residue on ramp area near T2 connector loading dock and T2 baggage area. Environmental notified American Airlines.
Wildlife/IPM	8/15/2006	08:45 Provided escort to the weed removal crew in the south ovals west of B2 intxn. 13:00 until 1400 escorted weed pullers.
Wildlife/IPM	8/16/2006	07:45 Weed pulling crew is in the movement area starting in oval 1N.
Trash-Spill Landside		13:03 MX reports trash needs service at T1 parking pavilion. Notified SPC.
Wildlife/IPM	8/17/2006	07:10 Weed removal crew is on the AOA for work in oval 2 N. 13:00 Until 1415, escort M-3 and temp worker for weed removal in O-2-S.
Trash-Spill Airside	8/18/2006	14:25 Leaking trash bags from an AA cart located at T2 near the trash compactor area. Environmental notified AA.
Wildlife/IPM	8/18/2006	07:50 Until 8:45, Escort M-3 and crew for weed removal in O-2-S. 10:45 Until 1203, escort M-3 and crew for weed removal in O-1-S; M-3 & M-6 for least tern fence repair in O-1-S.
Wildlife/IPM	8/21/2006	08:00 Provided escort to the weed removal crew in ovals 1 and 4 on the south side of the runway.
Petroleum-Spill Airside	8/22/2006	18:15 ASIG reported a 2 gal fuel spill at Kitty Hawk aircraft. They cleaned up the area.
Petroleum-Spill Landside	8/22/2006	15:50 Sky Cap reported a mini van cab curbside near US Air leaking gasoline. Maintenance & Environmental, HPD advised.
Trash-Spill Landside	8/22/2006	07:55 ATO Supervisor called to report a large clean-up curbside at Delta skycap area. Notified SPC.
Trash-Spill Landside	8/22/2006	12:15 Ground Transportation called to report a broken bottle by the "running man" east side of Terminal 1. Notified SPC.
Wildlife/IPM	8/22/2006	08:30 Escorted weed removal crew in O-4-S. 14:01 Weed removal clear of the movement area.
Wildlife/IPM		08:00 Escorted weed removal crew in O-4-S.
Wildlife/IPM	8/24/2006	08:30 Weed removal crews working in O-3-S. Coordinated with ATCT.
Unauthorized Discharge	8/26/2006	06:50 AA reported a lot of water on the ramp at gate 28. MX HVAC Issue discovered that the water was coming from the HVAC system on the roof of T2E near gate 28; Pac Rim notified. The leak has been contained. Repairs will be done on Monday, August 28th.
Trash-Spill Landside	8/28/2006	18:46 Paging reports a pet clean up is necessary at T2 crosswalk. Notified SPC.
Trash-Spill Airside	8/29/2006	11:20 HMS Host called to report that their loading area is flooding from a sewer spill. Notified MX.
Sewage	9/5/2006	07:40 HP called to report a sewer leak on the bag room below gate 35. Notified MX. 07:50 Per MX, it is a HMS Host problem. Authority Plumber notifying Host.
Trash-Spill Landside	9/7/2006	17:35 ATO's report a Red Bus spilled fluid across from the CT at parking lot. Notified MX for clean up.
Petroleum-Spill Airside	9/8/2006	14:25 Fuel Spill at Jimsair; conducting a fuel transfer from truck to truck spilling approx 30-40 gal of Jet A. Jimsair conducted immediate control and containment. No storm drains affected.

Subject /Topic	Date	Log Entry Synopsis
Petroleum-Spill		01:00 A grinder that blew a hydraulic hose whiel traveling from VSR2 to VSR1. It came to a stop, caught fire, and
Airside	3/10/2000	was quickly extinguished. MX was able to contain the leaking hydraulic fluid and used dry-absorb with the sweeper for cleanup. It was cleaned up by 0230 hrs.
Unauthorized Discharge	9/13/2006	05:05 AA called this morning to report that Jetwash neglected to contain their runoff from washing NW on G26. Environmental was emailed and pics were taken.
Trash-Spill Landside	9/15/2006	14:14 Report that trash needs to be emptied curbside AA and NW. SPC notified.
Petroleum-Spill Airside	9/20/2006	17:00 Alerted by ATCT of a fuel spill at Gate no. 18. 1705 - Zebra 2 on site. ASIG fuel truck experienced a fuel leak of approximately 5 gallons onto the ramp prior to the commencement of fueling operations on a Frontier. The spill is the result of residual fuel remaining in the hose after the truck's last fueling operation. ASIG personnel are conducting containment and cleanup operations. No storm drains were affected.
Wildlife/IPM	9/20/2006	06:26 ATO reports there is a dead bird near the Smarte Carte machine across from the crosswalk in T2. Notified MX.
Trash-Spill Airside	9/24/2006	13:40 Requested from Pacific Waste respond to empty the dumpster at the T2 West loading dock and to fix the dumpster at AA. Pat advised that he would have both serviced this afternoon/evening.
Trash-Spill	9/25/2006	08:08 WN reports there is a water leak under jetway 8, ramp side. Plumbing Notified Plumber 2.
Airside Trash-Spill Airside	9/28/2006	08:30 HMS Host called to report that the trash compactor is not working. Notified Allied Waste. He will send someone out today.
Trash-Spill	9/30/2006	07:56 MX reports one of the hydraulic hoses is disconnected for the trash compactor near WN. Contacted Allied.
Airside Wildlife/IPM	9/30/2006	Advised Zebra 2. 0824: Allied advised the compactor is back in service. Advised MX and Zebra units. 16:45 TSA reports there are bees near the Hawaiian sky cap umbrella. Notified MX. 17:40 ATO reports bees
		curbside Jet Blue. Exterminators already on the way.
Wildlife/IPM		16:06 AS called regarding bees in the vicinity of gates 16 & 17. Told her MX is on scene and pest control is enroute.
Unauthorized Discharge	10/3/2006	07:30 Wash water from aircraft washing operations is not being collected and disposed of properly, water accumulates on ramp areas of Gates 28, 28, 30. Environmental notified Jetwash.
Wildlife/IPM	10/7/2006	10:42 GAT reports there is a swarm of bees on a manhole cover Bee Swarm near gate 41. Advised MX. 12:08 Bees at gate 41 removed by contractor.
Trash-Spill Airside	10/9/2006	10:59 Container of unknown blue liquid near the fence area of ExecAir. Environmental notified Execair.
Trash-Spill Landside	10/9/2006	19:29 WN bag claim curbside needs a cleanup. Notified SPC.
Unauthorized Discharge	10/13/2006	7:30 Unauthorized discharge of trash, liquid and debris at T2 connector loading dock/trash compactor. Environmental contacted AA.
Trash-Spill Landside	10/14/2006	07:24 ATO's report there is broken glass curbside DL. Notified SPC.
Trash-Spill Airside	10/16/2006	11:03 Food grease and hamburger patty spilled near grease trap. Environmental notified Host.
Petroleum-Spill Landside	10/18/2006	17:05 ATO reports there is an oil/antifreeze spill curbside UA. Advised MX.
Trash-Spill Landside	10/20/2006	15:35 WN requests clean up curbside. Notified SPC.
Trash-Spill	10/22/2006	06:18 SPC reports the trash compactor in T2W is OTS. MX checked the compactor and reported it needs to be
Airside Trash-Spill	10/24/2006	serviced by Allied. 0723: Allied advised he will have someone out within the hour. 07:00 Received a report from SPC that the compactor at T1 was OTS. Requested Maint response to ensure the
Airside	10/24/2000	compactor has power. 0715Maint reports that the dumpster is so full that it will no longer compact. Allied contacted to empty the dumpster ASAP.
Trash-Spill Airside	10/24/2006	14:57 ATO's report someone has vomited curbside T2 baggage claim. Advised SPC.
Petroleum-Spill Airside	10/30/2006	16:35 Discovered Jimsair refueling truck on Jimsair ramp leaking jet fuel; advised Jimsair employee for Quicksorb clean-up and leak investigation; no drains affected.
Trash-Spill Landside	11/1/2006	10:50 ATO called to report broken glass in front of the CO skycaps podium curbside. T2W. Notified SPC.
Wildlife/IPM	11/1/2006	07:55 Paging ATO called to report a dead pigeon at the Red Bus stop in Terminal 1. Notified SPC. 08:35 ATO called again regarding dead pigeon. Notified SPC.
Wildlife/IPM	11/4/2006	06:33 ATO Lead reports there is a injured pigeon curbside T1 baggage claim. Advised MX.
Wildlife/IPM	11/4/2006	23:30 Removed a dead bird (crow) from twy B7.
Trash-Spill Landside	11/5/2006	15:54 ATO called to request trash service curbside T2W. Notified SPC.
Trash-Spill Landside	11/5/2006	16:16 ATO reports broken glass curbside T1. Notified SPC.
Trash-Spill Landside	11/10/2006	19:33 ATO reports spill at P7. Notified SPC.
Trash-Spill Airside	11/12/2006	07:33 US reports there is a damaged cord that is in water and smoking on the compactor near WN in T1. Electrician 1 notified. 0742: Electrician 1 advised the cord is not smoking, but is damaged. 0745: Contacted Allied Waste.

		Log of IDDE Reports to SDIA 24-hour Telephone Line Fiscal Year 2006-2007
Subject /Topic	Date	Log Entry Synopsis
Trash-Spill Landside	11/15/2006	10:20 ATO called to report a clean-up curbside in front of the FIS area. Notified SPC.
Trash-Spill Airside	11/18/2006	09:20 MX reports that US left trash, magazines, outside of the compactor near WN. Zebra 2 contacted US to clean the area.
Trash-Spill Landside	11/18/2006	15:39 ATO reports cleanup needed T2 curbside at crosswalk. Notified SPC.
Trash-Spill Airside	11/22/2006	16:04 Allied Waste advised they have taken the recycle compactor out of T1 and replaced it with a second trash compactor due to them not working tomorrow.
Petroleum-Spill Airside	11/23/2006	02:40 Z2 notified by HPD of a fuel spill at gate 23. 1 ARFF truck launched to location for support. Approximately 400 gallons (200 on the ramp - 200 captured in 55 gallon barrels) of fuel spilled from an America West '(Airbus 319) aircraft that was having maintenance work performed on it (changing of fuel filter). Spill containment was completed at 03:15 with clean-up started immediately after. No storm drains are affected.
Petroleum-Spill Landside	11/25/2006	16:53 ATO reports there is an automobile spill at T2W crosswalk. Notified MX.
Trash-Spill Airside	11/26/2006	08:00 Host reported that the recyclable compactor at the Host loading dock is not working; spoke with Pacific Waste driver, who was on site, about compactor. He will have a mechanic look at it.
Trash-Spill Airside	11/27/2006	06:00 SPC called to advise that WN employees had left all the trash bags outside the compactor and the two compactors are only half full. She will put them in the compactor. Advised Zebra 2. 07:50 Allied Waste called to report that WN had left many bags next to the compactor and his driver picked some of them up, but there was still more to be placed in the compactor. Advised Zebra 2 HC
Trash-Spill Landside	11/27/2006	07:10 ATO called to request the trash be emptied on the transportation plaza, T-1. Notified SPC.
Petroleum-Spill Airside	11/30/2006	15:55 AS operations reports that they have a fuel spill at Gate no. 1615:58 - Zebra 2 and HPD 740 onsite. ASIG has already contained the spill and are beginning cleanup operations. The fuel has not reached any storm drains. During fueling operations ASIG employee had erroneously open the fuel automatic valve cut off switch causing approximately 5 gallons of fuel to spill onto the pavement. 16:20 - ASIG completes cleanup of affected area.
Trash-Spill Airside	12/4/2006	16:21 T2 McDonalds employee reports trash compactors are full. Notified MX.
Petroleum-Spill Landside	12/4/2006	14:30 Reported a fuel spill from a contractors vehicle at airfreight cargo bldg. MX and HPD advised. Fuel was about 1 or 2 gal. No storm drains involved.
Trash-Spill Airside	12/5/2006	07:30 HMS Host called to report the trash compactor in T2E needs to emptied. Zebra 2 checking08:05 Notified Allied Waste, they are scheduled for today.
Trash-Spill Airside	12/8/2006	08:20 SPC called to report that American Airlines has left bags outside the compactor in Terminal 1; the compactor is empty. Advised Zebra 2. 09:00 Called again to advise they will pick-up all the trash bags and throw them in the compactor.
Petroleum-Spill Airside	12/15/2006	19:18 ASIG reports fuel spill at FedEx near one of the Caravans. Spill is contained and cleanup has begun. Notified Zebra 2.
Petroleum-Spill Airside	12/15/2006	19:25 ref: log entry 1918. Zebra 2 onsite. ASIG employee while fueling FX Cessna Caravan on the northwest side of the FX ramp spot 3, experienced a nozzle malfunction from truck. The nozzle became stuck in the open position causing a fuel spill of approximately 5 gallons. Spill had been contained prior to my arrival and clean up efforts had begun. No storm drains had been affected.
Petroleum-Spill Airside	12/15/2006	23:21 Fuel spillGate 33: During defueling from an US A320 to the truck, the transfer switch failed to engage thereby resulting in approximately five gallons of fuel being spilled. No storm drains affected and clean-up was initiated prior to my arrival by ASIG personnel.
Trash-Spill Airside		21:00 AS MD-80 de-icing at top of alley btwn T2E and T1W; de-icing fluid draining onto wet pavement with rain run- off draining into storm drain; de-icing fluid entering drain system with rain run-off; ATS attempted to soak up residual e-mail to Environmental.
Unauthorized Discharge	12/16/2006	De-icing activities conducted in the T1W-T2W alley fluid discharged into the Airport's storm drain system. Environmental notified Alaska Airlines.
Wildlife/IPM		09:10 Conducted weed spray operations in ovals O-1-S, O-2-S, and O-4-S.
Trash-Spill Airside	12/22/2006	07:58 SPC called to report that the trash compactor at Terminal 1 is full. Contacted at Allied Waste and he advised the truck should be there within the hour.
Petroleum-Spill Airside	12/23/2006	07:40 Fuel silouid be triefe within the riodi. 07:40 Fuel spill reported at gate 26, ATS Mgr. approximately 5 gallons on ramp from stbd wing fuel vent NW A320. ASIG on scene and clean up in progress. 07:45 ASIG MOD advised NW spill kit out of absorbent (kitty litter). SAN ID Check- Spoke to NW to advise spill kit required to be properly within SIDA maintained. SAN ID check, EV, NW.
Trash-Spill Airside	12/23/2006	07:32 Contacted AA to direct clean up of FOD (broken bag parts) near aircraft at gate 29.
Trash-Spill Airside	12/26/2006	08:00 Maintenance called to report that the large dumpster in front of the Commuter Terminal and the compactor in Terminal 1 are full. Notified Allied Waste, the compactor will be emptied today and the dumpster tomorrow.
Trash-Spill Landside	12/27/2006	15:09 MX reports there are tumbleweeds rolling through the T2W parking lot. Notified LPI.

Environmental Environmenta			Log of IDDE Reports to SDIA 24-hour Telephone Line Fiscal Year 2006-2007
Unauthorized 12-30/2006 22-18 AccuPiered washing LA 737 on Gate 11; no storm drain protection; wash water washuring storm drain. Special schedules 12-30/2006 20-30 and advised of Best Management Practices; storm drains covered and water vacuuming initiated, e-mail to Environmental. 12-31/2006 18-10/2006 20-30	Subject /Topic	Date	Log Entry Synopsis
Discharge activity and advised of Best Management Practices, storm drains covered and water vacuuming initiated, e-mail to Environmental. Frash-Spill 1,2512000 (Best 19 SPC reports the trash-compactor near 12E is not working properly. MX investigated and found it to be well of the properly. Advised 22bra 2. Sewage 1,75200 (Discharge) (Best 19 SPC reports the trash-compactor is not strated properly. Contacted Pacific Waste. He is on his way. Advised 22bra 2. Sewage 1,75200 (Discharge) (Best 2) (Best			
Airside fine. It appears a little full. The recycle compactor is not silutated properly. Contacted Pacific Waste. He is on his way, Aviseed Zebra 2, 169-230 (9-33 Sewage veriflow at T2 connector, resulting in discharge to the square, copper iniet. Environmental notified Cocen Billus for Idea nuy. 175-200 (9-33 Sewage veriflow at T2 connector, resulting in discharge to the square, copper iniet. Environmental notified Cocen Billus for Idea nuy. 185-200 (18-45 Received a report from NSEI of a large sewer spill under Gate 21. Maintenance an route. Per Plumber the Admiration Cloth as a stopped up 41 sewer line and the debris is getting close to the storm drian. 2-bota 2 requests contact Cecan Billus. Spoke with Ocean Billus and they are on there way at 0.915. Advised 2-bba 2. Trash-Spill (17-2007) (17-2007) (18-207) (19-207	Discharge	12/00/2000	activity and advised of Best Management Practices; storm drains covered and water vacuuming initiated; e-mail to
Sewage 1/5/2007 99:33 Sewage overflow at T2 connector, resulting in discharge to the square, coppor inlet. Environmental notified Ocean Blue for clean up. Sewage 1/5/2007 98:46 Received a report from NSEI of a large sewer spill under Gate 21. Maintenance en route. Per Plumbert the Admiratic Club has a stopped up 4" sewer line and the debris is getting close to the storm dain. Zebra 2 requests contact. Ocean Blue. Spoke with Ocean Blue and they are on there way at 0915. Advised Zebra 2. Trash-Spill 1/16/2007 16/5/2007 46/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5/5	Trash-Spill Airside	12/31/2006	fine. It appears a little full. The recycle compactor is not situated properly. Contacted Pacific Waste. He is on his
1/52007 08.48 Received a report from NSEI of a large sever spill under Gate 21. Maintenance en orute. Per Plumber the Admiratian Club has a stopped up 4" severe line and the debris is getting iodes to the storm drain. Zebra 2 requests contact Ocean Blue. Spoke with Ocean Blue and they are on there way at 0915. Advised Zebra 2. Trash-Spill 1/16/2007 14/16/2007	Sewage	1/5/2007	09:33 Sewage overflow at T2 connector, resulting in discharge to the square, copper inlet. Environmental notified
Admirals Club has a stopped up 4" sewer line and the debris is getting dose to the storm drain. Zebra 2 requests control. Coean Blue. Spoke with Ocean Blue and they are on there way at 0915. Advised Zebra 2 (1758-185) ill and side of coordination with the Clty for peans. Trash-Spill (1762007) 10:05 AA called to advise that the fire hose is leaking at Gate 25 (1768-187) in the Clty of peans of the Clty		4/5/0007	
Landside for coordination with the City for repairs. Trash-Spill 1/6/2007 1/6/20	Ğ		Admirals Club has a stopped up 4" sewer line and the debris is getting close to the storm drain. Zebra 2 requests contact Ocean Blue. Spoke with Ocean Blue and they are on there way at 0915. Advised Zebra 2.
Airside Discharge 1/18/2007 17:38 UA called to request ATS empty their overflowing FOD barrel at Gate 16 Patroleum-Spill 1/25/2007 17:38 UA called to request ATS empty their overflowing FOD barrel at Gate 16 Patroleum-Spill 1/25/2007 10:30 Vehicle Accident. Red Bus vs. Light pole in employee parking lot on Harbor Island. Small fuel spill contained by maintenace and clean up performed by Ocean Blue. Trash-Spill 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside Trash-Spill 1/29/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside Trash-Spill 1/29/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/29/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/29/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/29/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/29/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/29/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/29/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/29/2007 10:30 ATO reported and bandoned car battery curbside by 'the running man' statue, Terminal 1. Notified Midler PM 1/29/2007 10:30 ATO reports date 40 has a dead bird in the trap. Email Airport Operations. 1/29/2007 10:30 ATO reports date 40 has a dead bird in the trap. Email Airport Operations. 1/29/2007 10:30 ATO reports date 40 has a dead bird in the trap freeze next the curb, and it's drawing seagulls. Notified SPC 1/29/2007 10:30 ATO reports the trash cans are full on the transportation islands for both terminals	Trash-Spill Landside	1/15/2007	
Discharge drain. Environmental notified Diamond Environmental Services. Trash-Spill 1/20/2007 17:38 UA called to request ATS empty their overflowing FOD barrel at Gate 16 Pertoreum-Spill 1/25/2007 17:38 UA called to request ATS empty their overflowing FOD barrel at Gate 16 Pertoreum-Spill 1/25/2007 17:38 UA called to request ATS empty their overflowing FOD barrel at Gate 16 Pertoreum-Spill 1/29/2007 17:38 UA called open amount of anti-freeze next to the curb by the FIS. Pertoreum-Spill 1/29/2007 17:38 UA reports bear and clean up impossible. Pertoreum-Spill 1/29/2007 17:38 UA reports bear have been sprayed at ARFF. Pertoreum-Spill 2/1/2007 17:38 UA reports bees have been sprayed at ARFF. Pertoreum-Spill 2/1/2007 17:39 UA reports bees have been sprayed at ARFF. Pertoreum-Spill 2/1/2007 17:39 UA reports bees have been sprayed at ARFF. Pertoreum-Spill 2/1/2007 17:39 UA reports the spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Guy 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains impacted. Spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Guy 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. 17:38 UA reports tuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Guy 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. 17:38 UA reports tuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Guy 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. 17:38 UA reports tuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Guy 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG supervisor responded to report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified Landside 17:38-Spill 2/29/2007 17:30	Trash-Spill Airside	1/16/2007	10:05 AA called to advise that the fire hose is leaking at Gate 25
Trash-Spill 1/20/2007 1/38 UA called to request ATS empty their overflowing FOD barrel at Gate 16 Petroleum-Spill 1/25/2007 33:30 Vehicle Accident. Red Bus vs. Light pole in employee parking lot on Harbor Island. Small fuel spill contained by maintenace and clean up performed by Ocean Blue. Trash-Spill 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/25/2007 10:30 ATO reports deal paint in the FIS. Landside 1/25/2007 10:30 ATO reports large landside 1/25/2007 10:30 ATO reports Gate 40 has a dead bird in the trap. Email Airport Operations. 1/25/2007 11:30 ATO called to report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified SPC. Landside 1/25/2007 11:30 ATO called to report an abandoned 2rb by the running man" statue, Terminal 1. Notified SPC. 1/25/2007 11:30 ATO called to report an abandoned 2rb by the running man" statue, Terminal 1. Notified SPC. 1/25/2007 11:30 ATO called to report and abandoned 2rb by the running man" statue, Terminal 1. No	Unauthorized Discharge	1/18/2007	
Petroleum-Spill 1/25/2007 03:30 Vehicle Accident. Red Bus vs. Light pole in employee parking lot on Harbor Island. Small fuel spill contained by maintenace and clean up performed by Ocean Blue. Trash-Spill 1/25/2007 10:30 ATO reported a large amount of anti-freeze next to the curb by the FIS. Landside 1/29/2007 20:55 AS deicing an MD-80 in the middle of T1W/T2E alley during rain event; deicing fluid entering storm drain system; containment and clean-up impossible. Trash-Spill 1/30/2007 13:45 United Dep Scalled to report that a NW tug dropped a bag of trash as it passed Gate 14. Notified NW Ops to retrieve trash. Petroleum-Spill 2/1/2007 08:05 Observed small fuel spill from Sibd wing vent, C-601, C-FBOM. Approximately 3 gal. Clean up in progress. No storm drains impacted. Email to Environmental. Wildlifel/PM 2/1/2007 1/3:30 MX reports bees have been sprayed at ARF. Trash-Spill 2/2/2007 1/3:30 MX reports bees have been sprayed at ARF. Petroleum-Spill 2/5/2007 1/3:30 MX reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, Alfistide Petroleum-Spill 2/5/2007 1/3:30 MX reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, Alfistide Petroleum-Spill 2/5/2007 1/3:30 MX reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, Alfistide Petroleum-Spill 2/5/2007 1/3:30 MX reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, Alfistide 1/13/2007 1/3:30 MX reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, Alfistide 1/13/2007 1/3:30 MX reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, Alfistide 1/13/2007 1/3:30 MX reports fuel spill at gate 12. Notified Zebra 2 and requested The fuel pronount	Trash-Spill Airside	1/20/2007	17:38 UA called to request ATS empty their overflowing FOD barrel at Gate 16
17.25/2007 10.30 ATO reported a large amount of anti-freeze next to the curb by the FIS.	Petroleum-Spill	1/25/2007	
Trash-Spill 1/29/207 20:55 AS delcing an MD-80 in the middle of T1W/T2E alley during rain event; delcing fluid entering storm drain system; containment and clear—up impossible. Trash-Spill 1/30/2007 13:45 United Ops called to report that a NW tug dropped a bag of trash as it passed Gate 14. Notified NW Ops to retrieve trash. Petroleum-Spill 2/1/2007 08:05 Observed small fuel spill from Stbd wing vent, C-601, C-FBOM. Approximately 3 gal. Clean up in progress. No storm drains impacted. Email to Environmental. Wildlifel/PM 2/1/2007 09:44 Approximately one gallon of spilled milk in HMS Host operations area. Environmental notified HMS Host on site. Petroleum-Spill 2/5/2007 09:44 Approximately one gallon of spilled milk in HMS Host operations area. Environmental notified HMS Host on site. Petroleum-Spill 2/5/2007 15:07 Timco's leaking hydraulic scissor lift at Gate 17. Environmental notified Timco. Alriside 17:38 UA reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Oty 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. 17:38 UA reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Oty 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. 17:38-Spill 2/5/2007 11:10 ATO called to report an abandened car battery curbside by "the running man" statue, Terminal 1. Notified Maintenance. Wildlifel/PM 2/5/2007 17:06 UA reports Gate 40 has a dead bird in the trap. Email Airport Operations. 17:39-Spill 2/19/2007 17:09 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. 17:39-Spill 2/19/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. 17:39-Spill 2/19/2007 16:05 ATO reports the trash cans curbside T-1 need to be emptied. SPC. 17:39-Spill 2/20/2007 16:05 ATO reports the trash c	Trash-Spill	1/25/2007	
Trash-Spill Airside varies of the protest and	Trash-Spill	1/29/2007	
Petroleum-Spill 2/1/2007 08:05 Observed small fuel spill from Stbd wing vent, C-601, C-FBOM. Approximately 3 gal. Clean up in progress. No storm drains impacted. Email to Environmental. Wildlife/IPM 2/1/2007 14:30 MX reports bees have been sprayed at ARFF. Trash-Spill 4:2007 14:30 MX reports bees have been sprayed at ARFF. Petroleum-Spill 2/5/2007 15:07 Timco's leaking hydraulic scissor lift at Gate 17. Environmental notified Timco. Airside Petroleum-Spill 2/5/2007 17:38 UA reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. Trash-Spill 2/5/2007 11:10 ATO called to report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified Maintenance. Wildlife/IPM 2/5/2007 17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. Trash-Spill 2/13/2007 17:06 UA reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. Trash-Spill 2/13/2007 20:00 ATO advised trash cans curbside T-1 need to be emptied. SPC was advised. Trash-Spill 2/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill 2/23/2007 15:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill 2/23/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill 2/23/2007 16:05 ATO reports the trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. Trash-Spill 2/23/2007 08:33 ATO reports there are dog feces curbside T2 bagage claim 1, 2, & 3 and curbsid	Trash-Spill	1/30/2007	13:45 United Ops called to report that a NW tug dropped a bag of trash as it passed Gate 14. Notified NW Ops to
Middiffe/IPM 21/2007 14:30 MX reports bees have been sprayed at ARFF. 17rash-Spill 2/2/2007 15:07 Timco's leaking hydraulic scissor lift at Gate 17. Environmental notified HMS Host on site. 17:07 Timco's leaking hydraulic scissor lift at Gate 17. Environmental notified Timco. 17:07 Timco's leaking hydraulic scissor lift at Gate 17. Environmental notified Timco. 17:08 UA reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG cleaned up a man Statue, Terminal 1. Notified Maintenance. 11:10 ATO called to report an abandoned car battery curbside by 'the running man' statue, Terminal 1. Notified Maintenance. 14:58 TOC reports Gate 40 has a dead bird in the trap. Email Airport Operations. 17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. 17:09 U7:30 Maintenance called to repot spilled popcorn by gate 19 near the curb.and it's drawing seagulls. Notified SPC. 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports Airside 17:39:2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. 16:38 WN reports the trash cans curbside T-1 need to be emptied. SPC was advised. 16:38 WN reports the trash has not been emptied. Contacted SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. 17:20 ATO Lead reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for Irash-Spill 2/23/2007 15:00 Host reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for Irash-Spill 2/25/2007 16:00 Host reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for Irash-Spill 2/26/2007 16:00 Hos	Petroleum-Spill	2/1/2007	08:05 Observed small fuel spill from Stbd wing vent, C-601, C-FBOM. Approximately 3 gal. Clean up in progress.
Trash-Spill (2/2/2007 09:44 Approximately one gallon of spilled milk in HMS Host operations area. Environmental notified HMS Host on site. Petroleum-Spill (2/5/2007 15:07 Timco's leaking hydraulic scissor lift at Gate 17. Environmental notified Timco. Airside Petroleum-Spill (2/5/2007 17:38 UA reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. Trash-Spill (2/5/2007 14:58 TOC report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified Maintenance. Wildlife/IPM (2/5/2007 14:58 TOC reports Gate 40 has a dead bird in the trap. Email Airport Operations. Trash-Spill (2/3/2007 17:00 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. Trash-Spill (2/13/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. Trash-Spill (2/19/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. Trash-Spill (2/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill (2/23/2007 16:05 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill (2/23/2007 2/23		0/4/0007	
Airside site. 15:07 Timco's leaking hydraulic scissor lift at Gate 17. Environmental notified Timco. 15:07 Timco's leaking hydraulic scissor lift at Gate 17. Environmental notified Timco. 17:38 UA reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, ARIGG deaned up area. ASIG deaned up area. ASIG deaned up area. ASIG deaned up area. 11:10 ATO called to report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified Maintenance. Maintenance. 14:58 TOC reports Gate 40 has a dead bird in the trap. Email Airport Operations. 17:30 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. 17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. 17:30 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. 17:30 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. 17:30 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. 17:30 UA reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. 16:05 ATO reports the trash has not been emptied. Contacted SPC was advised. 16:05 ATO reports the trash has not been emptied. Contacted SPC. 17:30 ATO Lead reports the trash has not been emptied. Contacted SPC. 17:30 ATO Lead reports the trash has not been emptied. Contacted SPC. 17:30 ATO Lead reports there are dog fees curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for Irash-Spill 2/23/2007 18:30 HMS Floots called to advise that birds are in the trash bin in T2W. The compactor is o			
Airside Petroleum-Spill 2/5/2007 17:38 UA reports fuel spill at gate 12. Notified Zebra unit. 19:40 Fuel Spill at gate 12. Qty 5 gal. HPD, ARFF, Z-2, ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. Trash-Spill 2/5/2007 11:10 ATO called to report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified Maintenance. Wildlife/IPM 2/5/2007 14:58 TOC reports Gate 40 has a dead bird in the trap. Email Airport Operations. Trash-Spill 2/9/2007 17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. Trash-Spill 2/13/2007 07:30 Maintenance called to repot spilled popcorn by gate 19 near the curb and it's drawing seagulls. Notified SPC. Irrash-Spill 2/13/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. Trash-Spill 2/19/2007 16:05 ATO reports the trash cans curbside T-1 need to be emptied. SPC was advised. Landside Trash-Spill 2/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill 2/21/2007 11:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. Airside 2/23/2007 12:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Landside 1/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Landside 1/25/2007 10:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Trash-Spill 2/25/2007 10:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today.	Airside		site.
ASIG supervisor responded. No storm drains affected. ASIG cleaned up area. Trash-Spill 2/5/2007 11:10 ATO called to report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified Maintenance. Wildlife/IPM 2/5/2007 14:58 TOC reports Gate 40 has a dead bird in the trap. Email Airport Operations. Trash-Spill 2/9/2007 17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. Trash-Spill 2/13/2007 07:30 Maintenance called to repot spilled popcorn by gate 19 near the curb.and it's drawing seagulls. Notified SPC. Landside Trash-Spill 2/17/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. Trash-Spill 2/19/2007 16:05 ATO reports the trash cans curbside T-1 need to be emptied. SPC was advised. Trash-Spill 2/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill 2/23/2007 11:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. Trash-Spill 2/23/2007 08:33 M-1 advised trash at gate 35 terminal stairs being attacked by seagulls. Contacted CO ops for GAT clean-up. Airside Trash-Spill 2/23/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today.	Petroleum-Spill Airside		
Trash-Spill (2/5/2007 11:10 ATO called to report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified Maintenance. Wildlife/IPM (2/5/2007 14:58 TOC reports Gate 40 has a dead bird in the trap. Email Airport Operations. Trash-Spill (2/9/2007 17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. Trash-Spill (2/13/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports Airside tumpster is functional. Trash-Spill (2/19/2007 16:05 ATO reports the trash cans curbside Trash-Spill (2/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill (2/23/2007 16:05 ATO reported that the 2TW trash compactor is not working; Allied Waste notified. Trash-Spill (2/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Trash-Spill (2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Trash-Spill (2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Trash-Spill (2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Trash-Spill (2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spill (2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spill (2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spill (2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spill (2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spill (2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spill (2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spil	Petroleum-Spill Airside	2/5/2007	
Wildlife/IPM 2/5/2007 14:58 TOC reports Gate 40 has a dead bird in the trap. Email Airport Operations. 2/9/2007 17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2.	Trash-Spill Landside	2/5/2007	11:10 ATO called to report an abandoned car battery curbside by "the running man" statue, Terminal 1. Notified
Trash-Spill 2/9/2007 17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer. Notified Zebra 2. 07:30 Maintenance called to repot spilled popcorn by gate 19 near the curb.and it's drawing seagulls. Notified SPC. 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. 2/19/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. 2/19/2007 20:00 ATO advised trash cans curbside T-1 need to be emptied. SPC was advised. 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. 17:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. 2/23/2007 16:05 ATO reports the trash at gate 35 terminal stairs being attacked by seagulls. Contacted CO ops for GAT clean-up. Airside 2/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. 2/24/2007 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. 17:20 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. 17:20 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. 17:20 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. 17:20 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. 17:20 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. 17:20 ATO Lead reports the trash compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. 17:20 ATO Lead reports the trash compactor is OTS in T2W. Contacted Pacific West.	Wildlife/IPM	2/5/2007	14:58 TOC reports Gate 40 has a dead bird in the trap. Email Airport Operations.
Trash-Spill Landside Trash-Spill 2/13/2007 07:30 Maintenance called to repot spilled popcorn by gate 19 near the curb.and it's drawing seagulls. Notified SPC. Landside Trash-Spill 2/17/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. Trash-Spill 2/19/2007 20:00 ATO advised trash cans curbside T-1 need to be emptied. SPC was advised. Landside Trash-Spill 2/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill 2/21/2007 11:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. Airside Trash-Spill 2/23/2007 08:33 M-1 advised trash at gate 35 terminal stairs being attacked by seagulls. Contacted CO ops for GAT clean-up. Airside Trash-Spill 2/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Landside Trash-Spill 2/24/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is born to today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill Airside		17:06 UA reports ATS needs to empty trash at gate 16 to prevent FOD. Tried their phone number; no answer.
Trash-Spill Airside Z/17/2007 16:38 WN reports dumpster is stopped. Notified Zebra 2 and requested T1 SPC Coach check. SPC reports dumpster is functional. Z/19/2007 20:00 ATO advised trash cans curbside T-1 need to be emptied. SPC was advised. Z/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Z/21/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Z/21/2007 11:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. Airside Z/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Z/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Z/24/2007 2/24/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Z/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Z/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Z/25/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Z/25/2007 3/2/2007 3/3/20	Trash-Spill	2/13/2007	
Trash-Spill Landside Trash-Spill 2/20/2007 20:00 ATO advised trash cans curbside T-1 need to be emptied. SPC was advised. 2/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill 2/21/2007 11:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. Airside Trash-Spill 2/23/2007 08:33 M-1 advised trash at gate 35 terminal stairs being attacked by seagulls. Contacted CO ops for GAT clean-up. Airside Trash-Spill 2/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. 2/24/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Airside Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill	2/17/2007	
Trash-Spill Landside 2/20/2007 16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SPC. 17:20 ATO Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill 2/21/2007 11:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. Airside Trash-Spill 2/23/2007 08:33 M-1 advised trash at gate 35 terminal stairs being attacked by seagulls. Contacted CO ops for GAT clean-up. Airside Trash-Spill 2/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Trash-Spill 2/24/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill	2/19/2007	
Landside Lead reports the trash has not been emptied. Contacted SPC. Trash-Spill Airside 2/21/2007 11:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines. Airside 17 O8:33 M-1 advised trash at gate 35 terminal stairs being attacked by seagulls. Contacted CO ops for GAT clean-up. Airside 17 Airside 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Landside 17 O8:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Airside 17 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 17 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 17 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 18 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside 19 O9:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC.		2/20/2007	16:05 ATO reports the trash cans are full on the transportation islands for both terminals. Notified SDC 17:20 ATO
Airside Trash-Spill 2/23/2007 08:33 M-1 advised trash at gate 35 terminal stairs being attacked by seagulls. Contacted CO ops for GAT clean-up. Airside Trash-Spill 2/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Trash-Spill 2/24/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Airside Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Landside		Lead reports the trash has not been emptied. Contacted SPC.
Airside Trash-Spill 2/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. Landside Trash-Spill 2/24/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Airside Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill Airside	2/21/2007	11:00 Overflowing trash can and bucket of waste water at Gate 17. Environmental notified Alaska Airlines.
Trash-Spill 2/23/2007 15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified. 2/24/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Airside Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill Airside	2/23/2007	08:33 M-1 advised trash at gate 35 terminal stairs being attacked by seagulls. Contacted CO ops for GAT clean-up.
Trash-Spill 2/24/2007 08:37 ATO reports there are dog feces curbside T2 baggage claim 1, 2, & 3 and curbside NW. Left message for SPC. Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Airside Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill	2/23/2007	15:00 Host reported that the 2TW trash compactor is not working; Allied Waste notified.
Trash-Spill 2/25/2007 09:22 MX reports SPC has dropped a bag of trash under gate 36. Contacted SPC. Airside Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Landside Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill	2/24/2007	
Trash-Spill 2/25/2007 09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC. Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill	2/25/2007	
Trash-Spill 2/26/2007 06:30 HMS Host called to advise that birds are in the trash bin in T2W. The compactor is out for repair. The bin is also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Trash-Spill	2/25/2007	09:42 ATO Lead reports there is a lot of trash curbside AA. Notified SPC.
Landside also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor is being repaires. They will try to get to it today. Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.		2/26/2007	06:20 HMS Host called to advise that hirds are in the track hin in T2W. The composter is cut for renair. The him is
Trash-Spill 3/3/2007 13:38 HMS reports the trash compactor is OTS in T2W. Contacted Pacific West.	Landside	2/20/2007	also full. Spoke with Allied Waste, they will change out the open bin for a closed top bin while our regular compactor
	Trash-Spill Landside	3/3/2007	

Subject /Topic	Date	Log Entry Synopsis
Petroleum-Spill		11:50 Citation was found leaking fuel from the right wing vent. JimsAir was notified for cleanup and no storm drains
Airside		were affected.
Wildlife/IPM		08:30 MX workers proceeded into the ovals for weed removal.
Wildlife/IPM	3/8/2007	12:50 Escorting weed crew into oval adjacent taxiway B2 for weed removal. 01:50 Weed removal crew completed for the day.
Sewage	3/12/2007	8:52 Evidence of a spill leaving the triturator. Environmental notified Ocean Blue for clean up.
Trash-Spill		06:50 SPC reports the T1 trash compactor is OTS. 06:58 MX advised there is power to the compactor and it is
Airside	0/04/0007	OTS. 06:59 Contacted Pac Waste.
Trash-Spill Airside	3/21/2007	07:00 SPC called to report that the trash compactor at Terminal 1 is full. Notified at Allied Waste who advised pick- up should be shortly.
Petroleum-Spill Landside	3/24/2007	10:59 ATO's reported a transmission leak, curbside T1, gate 1 & 2 area; MX notified and will respond.
Petroleum-Spill	3/31/2007	16:00 Jimsair refueler parked on Jimsair line breaking fuel from under cab; contacted Jimsair for clean-up and
Airside		repair. 18:00 Ref 1338 entry; American Pest Control completed bee removal at Gate 41; Authority Maintenance call- out after conferring with PM Z-2; not a tenant call-out.
Wildlife/IPM	3/31/2007	13:38 Bee swarm observed on DL/GAT near gate 40/41. Contacted DL ops and advised him to call for bee removal.
Track Caill	4/4/0007	42.45 Uses collect to you get the title at take a comparator of TOW is got of compare Net God Allied Wests
Trash-Spill Airside	4/1/2007	12:15 Host called to report that the trash compactor at T2W is out of service. Notified Allied Waste.
Trash-Spill	4/2/2007	08:50 Allied Waste called to advise the compactor has been changed out and the bags on the outside need to be
Airside Trash-Spill	4/4/2007	thrown inside. Notified SPC. 08:35 TSA called to report an animal clean up on the sidewalk by gates 1 & 2.
Landside	4/4/2007	oc.55 Tox called to report an animal clean up on the sidewalk by gates T & 2.
Sewage	4/5/2007	10:18 Blue liquid dry stains in front of the Airserv office, indicating a possible leak from a lavatory waste truck. Environmental talked to the on-site Airserv supervisor.
Wildlife/IPM	4/5/2007	08:00 Escorted MX into the Least Tern ovals for weed spraying.
Trash-Spill Airside	4/7/2007	10:50 Left VM for AA MOD to have AA cabin service trash cart emptied.
Trash-Spill Landside	4/7/2007	16:49 ATO Supervisor called to report a trash can over flowing curbside T1 in front of Baggage Claim.
Trash-Spill Landside	4/8/2007	10:55 ATO reports a spill at T1 curbside near United.
Petroleum-Spill Landside	4/11/2007	14:05 Fluid leaking out of a 5-gallon bucket that was left outside a contractor's vehicle. Environmental notified HPD.'14:32 Responded to Stillwater Rd for an unattended Toyota Tundra Pickup truck & a 5-gallon bucket with liquid near the truck. Contacted AA and ASIG to locate owner, unable to locate. HPD on scene with K-9. J Ford, told to park in fire lane by SDCRAA plumbers to work on CNG station. Plumbers contacted and directed parking in fire lane not authorized and maintenance personnel not authorized to approve curbside parking.
Trash-Spill	4/13/2007	06:15 Received a call from Maintenance that SPC had left numerous garbage bags at gate 10 ramp side and the
Airside		seagulls were getting into them. Notified SPC.
Trash-Spill Airside	4/13/2007	07:36 Contacted DL ops to have trash on back of DL cabin service truck on west side of T2W moved.
Trash-Spill	4/14/2007	7:47 Observed trash at bottom of stairs, gate 38. Contacted DL ops to have trash removed.
Airside Trash-Spill	4/14/2007	09:11 Dumpsters W side of CT overfilled with lids opened. Contacted SPC to have trash properly loaded and lids
Airside		closed.
Trash-Spill Airside	4/15/2007	07:10 FOD call from ATCT. Z2 retrieves plastic bag at C3.
Petroleum-Spill Airside	4/17/2007	12:00 Gate Gourmet truck at gate 41 has a hydraulic leak. Maintenance applies spill absorbent over fluid. ASIG contacted to move vehicle. No storm drains affected.
Petroleum-Spill Airside	4/19/2007	12:10 TSA called to report a Jetwash vehicle is leaking fuel. Jetwash Mgr was called and informed of the problem. They will clean up the spill with dry absorb maintenance disseminated to dry the liquid. Email and photos sent to Real Estate.
Petroleum -Spill	4/20/2007	12:11 Fluid leaking out of Jetwash vehicle trailer. Airport Operations determined that it was a combination of fuel and
Airside		wash water. Environmental notified Jet Wash, Inc.
Wildlife/IPM		12:40 Delta called to report a swarm of bees at gate 40.Notified MX. Couldn't find any bees.
Trash-Spill Airside	4/27/2007	17:10 UA called to report that ATS had parked their trash cart between Gates 17/18 Ramp side and that the seagull were picking at the trash and creating FOD. Alaska OPS notified ATS.
Trash-Spill	4/28/2007	18:16 ATO called to report the trash cans UA curbside are overflowing and some trash is on the ground. SPC
Landside		notified.
Trash-Spill Airside	5/5/2007	07:39 Left VM for AA MOD to have cabin cleaning trash cart emptied or properly covered and requested a call back to confirm receipt.
Petroleum-Spill Airside	5/8/2007	10:20 Small oil spill on west ramp. Delta cleaned up spill with absorbent.No storm drains affected.
Trash-Spill Landside	5/8/2007	04:10 Contacted Allied Waste regarding a malfunctioning compactor located southwest of the east ramp. Near P-27 The compactor is not cycling and trash bags are accumulating on the ground near the compactor. Allied Waste

		Log of IDDE Reports to SDIA 24-hour Telephone Line Fiscal Year 2006-2007
Subject /Topic	Date	Log Entry Synopsis
Trash-Spill		11:40 Received a call from Host regarding the T2W trash compactor. He advised that the compactor shocks the
Landside		user when cycled. Dispatched Maintenance to secure the compactor and troubleshoot. Allied also contacted and is en route.
Wildlife/IPM		11:00 Conducted weed spraying within the movement areas. Completed spraying all ovals north of taxiway B and from C1 to C2.
Trash-Spill Airside	5/11/2007	07:25 Left VM for AA MOD to have uncovered trash cart by gate 25 covered or emptied.
Trash-Spill	5/12/2007	12:00 FOD clean up of TXY Bravo & Charlie from 1200-1400. Several pieces of paper scattered throughout
Airside	E/40/0007	taxiways. MX assisting on foot and driving sweeper. SPC also assisting on ramp side.
Trash-Spill Airside		6:22 SPC reports the trash compactors are full in T2W. Left message for Allied.
Wildlife/IPM		10:52 WN reports there is a swarm of bees ramp side gate 1. Notified MX. 11:00 Re: 10:52 MX calls pest control company to remove bees at Gate 1.
Trash-Spill Airside	5/15/2007	07:00 Per Zebra 3, the trash compactor in T2W at the loading dock is not compacting. The engine runs. Notified at Allied Waste.
Wildlife/IPM	5/17/2007	08:00 Weed spraying completed within all movement areas.
Wildlife/IPM		12:00 Contacted MX in referece to a hive of bees located on the roof of T1W located near the western most
		transformer that was installed roughly six months ago.
Petroleum-Spill Airside	5/18/2007	15:32 TSA called to report that the ADASP Inspectors at P18 reported a Gate Gourmet truck was leaking transmission fluid and wanted a Zebra Unit to respond. Zebra 2 notified.15:38 GG was driving the vehicle it started leaking Steering Fluid. ASIG responded with dry absorb and then serviced the vehicle. No drains were affected.
Trash-Spill Airside	5/19/2007	07:55 Left VM for AA MOD to have cabin cleaning cart trash emptied or covered IAW airport rules.
Petroleum-Spill Airside	5/23/2007	13:40 Fuel spill at gate 23. American cleaned up 6 gal fuel spill.
Trash-Spill Airside	5/25/2007	10:00 American Airlines called requesting the ramp area between gates 23-29 be swept.
Trash-Spill Airside	5/26/2007	08:41 TSA called requesting the trash cans emptied ramp side under checkpoint 5. Notified SPC.
Trash-Spill Airside	6/4/2007	13:05 SPC called to report the trash compactor in T2E and elevator 15 is not working. Notified In MX. He stated elevator is awating parts an dhe will check on the compactor. 13:15 Trash compactor has power. Called Allied Waste, they send a mechanic.
Petroleum-Spill Airside	6/9/2007	13:40 ASIG reported that there is a fuel spill at gate 33; Z-2 notified. Reported that the fuel spill is 3 to 5 gallons and that ASIG is in the process of cleaning up the spill; no storm drains. 13:40 Fuel spill, gate 33 from STBD wing vent 5-10 gallons. ASIG already cleaning up. No storm drains impacted.
Sewage	6/9/2007	13:37 WN reports the hose to the trituator is broken. Contacted MX.
Petroleum-Spill Airside	6/11/2007	19:26 AS called to report a fuel spill at Gate 17. Zebra notified. 19:30 ASIG cleaned up the fuel spill with absorbent. Fueler stated that approx 5 - 10 gallons was spilled out of the right wing of the Alaska 737. Since the spill was in the vicinity of a slit trench; Env was notified. Ocean Blue was contacted for further clean up of slit trench in the area of gate 17. Area cleanup completed successfully per Airport, State and Federal regulations.
Trash-Spill Airside	6/13/2007	11:51 SPC reports the trash compactor is OTS in T2W. Contacted Electrician 2 to check on power. 11:56 Electrician 2 advised there is power. Contacted Allied Waste.
Trash-Spill Airside	6/14/2007	15:45 AA called to report a green liquid running out of a pipe between Gates 27 & 29. MX and Zebra 2 notified.
Trash-Spill Airside	6/16/2007	08:47 Contacted Allied Waste due to a report that the bins are full near the CT. He advised he will send someone out ASAP. Advised Zebra 2 and SPC.
Petroleum-Spill Airside	6/18/2007	15:15 AA Eagle inbound to CT broke a hydraulic line at entrance to, just past the VSR; hydraulic fluid spilled on pavement; no drains affected; A/C towed to parking; Airport MX and Eagle employees responded for fluid clean-up; clean-up completed at 1535.
Petroleum-Spill Airside	6/20/2007	10:11 Fuel spill at gate 6, overflow valve on STBD wind B-737 allowed 10-15 gallons Jet A to vent onto ramp. No storm drains impacted. WN and ASIG personnel cleaning. Environmental on site.
Petroleum-Spill Airside	6/21/2007	19:40 ATCT called to report that a DL at B1 was leaking hydraulic fluid onto the taxiway. It appears that approx 2-3 gallons leaked from the Rt. Main landing gear. The aircraft taxied under it's own power to G41. All MX crews responded with the new fuel spill trailer and were able to clean up the spill. The incident was clear at 2010 hrs and
Trash-Spill	6/21/2007	B1 was only closed for approx 10 min during cleanup. 07:27 Contacted DL Ops to have trash bags at base of stairs near 38 removed and tug/cart in fire lane west of gate
Airside		41 moved.
Wildlife/IPM		16:23 ATO called to report a large dead rat on the north side of the USO. MX notified.
Trash-Spill Airside	6/23/2007	06:30 SPC reports that the compactor at T1 is full. 0635 Allied Waste on site to empty compactor.
Trash-Spill Airside	6/23/2007	14:28 SPC reported trash compactor for T1 was not working. MX notified. '15:00 MX advised they could not fix the trash compactor for T1 and to call Allied Waste. Allied Wste notified.
Trash-Spill Airside	6/24/2007	07:20 SPC reports the trash bins on the side of the CT are overflowing. Contacted Allied and he advised they will have someone out ASAP.

		Log of IDDE Reports to SDIA 24-hour Telephone Line Fiscal Year 2006-2007
Subject /Topic	Date	Log Entry Synopsis
Trash-Spill	6/24/2007	14:07 UA called to report their trash cans at Gate 12 need to be emptied. SPC notified.
Landside		
Trash-Spill	6/25/2007	16:44 TSA Supervisor called to report a second time that their trash cans are overflowing at T2W Baggage make up
Airside		area and need them emptied. SPC notified.
Petroleum-Spill	6/29/2007	10:15 Alaska called to repot a fuel spill at gate 18. Zebra 2 en route.
Airside		
Trash-Spill	6/29/2007	04:06 T2W trash compactor is not working; Allied Waste notified and will respond.
Airside		

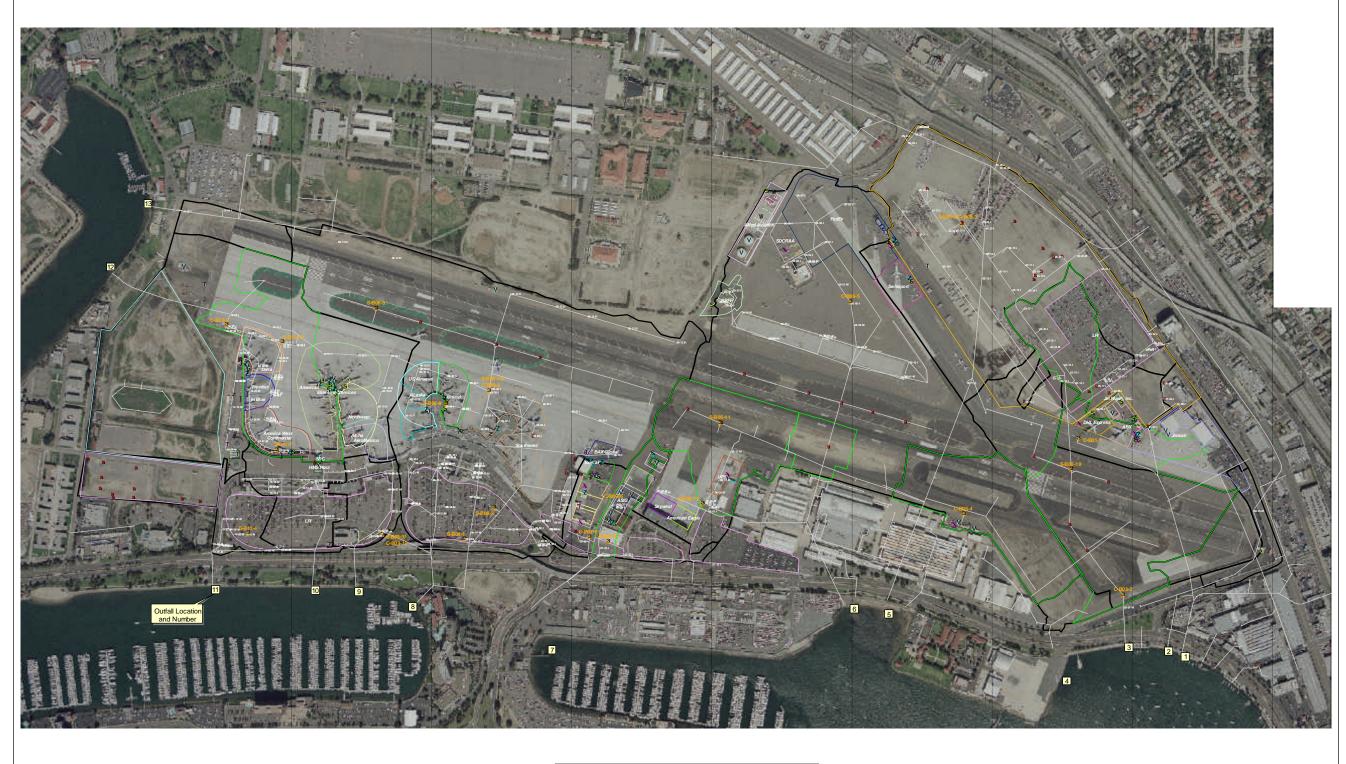


Appendix C

FY06-07 Wet Weather Sample Results

torm Water Management Plan - Municipal Stormwater Permit	







SDIA Storm Water Sampling Program Sampling Locations Figure 1

San Diego, California



COMPLIANCE SITES ANALYTICAL RESULTS

CANTINITY CANT					OMPL	ANCE	COMPLIANCE SITES ANALYTICAL RESULTS	NALYII	CAL KI	CITOCE					
Procedure Proc	Analyte	Analytical	Dilution	Units	Reporting	C-B01-1-	C-B03-2-	C-B05-3-	C-B05-4-	Re C-B06-5-	sults C-B07-6-	C-B07-7-10	C-B08-8-10		C-B09-10-
Part	SONVENTIONALS	Procedure			Limit	10-14-06	10-14-06	10-14-06	10-14-06	10-14-06	10-14-06	14-06	14-06		10-14-06
Marie No. Mari	COLVETTIONAL														
EPA-1013 1 mg/1 2.00 2190 1105 270 370	Ammonia as N	SM 4500-NH3	1	mg/l	0.100	0.980	0.490	0.150	1.25	QX	0.220	0.290	0.100	R	0.120
Part 1	BOD	EPA 405.1	1	mg/l	2.00	280	162	27.0	370	120	132	218	41.0	108	27.0
PRA-4231 1 mile	COD	EPA 410.4	1	mg/l	0.100	719	318	50.0	1160	279	290	206	120	218	0.09
Part 1511 1 mg/s 1000 0.300	SC	EPA 120.1	1	mp/soyum	0.100	818	655	108	822	211	212	399	378	0998	9.96
Pay 1511 1 Phylolic 1,100 4,20 5,10 6,80 4,40 3,70 5,80 5,90 5,00 5	MBAS	EPA 425.1	1	mg/l	0.0500	0.300	0.330	ND ND	0.360	0.220	ND	0.130	0.170	0.130	ND ND
Pay 1501 Pay 1601 Pay 1501 Pay 1501 Pay 1601 Pay 2008 Pay 1601 Pay 2008 Pay 1601 Pay 2008 Pay 2008	Oil & Grease	EPA 413.1	1	mg/l	1.00	4.20	3.80	6.10	6.80	4.00	3.70	5.80	3.60	ND	5.20
Paragonal Region Paragonal R	hd	EPA 150.1	1	pH Units	0.100	5.00	5.10	7.20	5.30	4.90	6.20	5.70	7.30	6.40	6.80
PRA 2008 1	Total Suspended Solids		1	mg/l	1.00	264	148	23.0	430	150	120	264	45.0	91.0	41.0
He He He He He He He He	METALS (TOTAL)														
Phy 2008 1 1 1 1 1 1 1 1 1			2	hg/L	100	3000	999		2600			480			
EPA 2004	Aluminum	EPA 200.8	1	T/Brl	50			4800		1400	340		230		8700
FPA 2008 1 1944 2.0 2.00 1940 2.0 2.00 2			5	μg/L	250	0010	000+		0000			990		Ð	
FPA 2008 FPA 2008	Conner	FPA 200 8	7	hg/L	0.4	0067	0061	71	7/00	130	000	077	330		36
FPA 2008 1 1 1 1 1 1 1 1 1	opper	EF P 200.0	٠ ٧	Hg/L	0.7			17		430	777		000	05	90
FPA 2008 1 1 1974 250 110 38 55 1974 170 193 194 195 196 195			2	Hg/L ug/L	100	2.5	0.57		3.1			1.0		8	
FPA 2008 2 Hg/L 250 H	ron	EPA 200.8	1	hg/L	50			4.4		1.7	0.93		0.45		9.8
FPA 2008 2 1994. 4.0 56 110 38 55 56 56 56 56 56 56 5			5	µg/L	250									0.29	
FPA 2008 1 1 194			2	µg/L	4.0	56	110		55			42			
EPA 2008 2 1914 4.0 2400 1100 74 6500 310 1100 850 240 140	ead	EPA 200.8	1 2	µg/L	2.0			38		26	25		24	93	99
Part 2008			2	rg/L μg/L	4.0	2400	1100		9059			850		ć	
LS OLISSOL VED) EPA 200.8 1 Hg/L 2.0 1700 1700 1700 1800 98 1800 120 1	Zinc	EPA 200.8	1	μg/L	2.0			74		310	1100		240		240
Lange Organics EPA 200.8 1 mg/l 1 1 1 1 1 1 1 1 1			2	µg/L	10									140	
EPA 200.8 1 Hg/L 2.0 1700 12 1500 98 180 120 22 180	METALS (DISSOLVE	Ê													
FPA 2003 2 HgA 2003 HgA 20 Hg		0000	1	ng/L	2.0			12		380	86		120		12
FPA 200.8 1 149/L 2.0 1100 111 5800 250 840 190 190 59 190	Copper	EFA 200.8	2	hg/L	4.0	2400	1700		2500			180		22	
GLEUM HYDROCARBONS (TPH) ganics EPA 8015B 1 ND 5.3 ND ND <t< td=""><td>Sinc</td><td>EPA 200.8</td><td>1 2</td><td>J/Brl</td><td>2.0</td><td>2400</td><td>1100</td><td>11</td><td>5800</td><td>250</td><td>840</td><td>069</td><td>190</td><td>59</td><td>16</td></t<>	Sinc	EPA 200.8	1 2	J/Brl	2.0	2400	1100	11	5800	250	840	069	190	59	16
Sanics EPA 8015B 1 mg/l 0.050 5.3 ND ND ND 3.6 2.6 ND ND ND ND ND ND ND N	FOTAL PETROLETIV	A HYDROCAE	T) SNOR												
EPA 8015B 1 mg/1 0.050 5.3 ND ND ND 3.6 2.6 ND ND ND ND ND ND ND N			20		1	ND			ND						
FPA 8015B FPA 8015B 1 mg/l 50.55 ND ND ND ND ND ND ND	Jiesel Kange Organics	EPA 8015B	1	mg/l	0.050		5.3	ND		ND		3.6	2.6	ND	ND
EPA 8015B 1 mg/l 50 mg/l 1 ND ND ND ND ND ND ND	(10-02+)		5	mg/l	0.25						ND				
ites EPA 8015B 1 mg/l 50 ND ND ND ND ND ND ND ND	- -	EDA 9015D	20	mg/l	1	ND	CIN.	Ž	ND	Ę		ATD.	Ę	Ę	Ž
bics EPA 8015B 1 mg/l 0.050 L34 0.80 6.0 1.1 2.3 1.7 2.3 EPA 8015B 1 mg/l 0.025 2.4 0.80 1.1 6.1 2.3 1.7 2.3 EPA 8015B 1 mg/l 0.25 ND	,	GC100 V 17	·	mg/1	0.050		UNI	ONI		IND	ND	IND	UNI	ΩN	ONI
10 10 10 10 10 10 10 10			20	mg/l	1	6.4			6.0		QV.				
S mg/l 0.25 mg/l 0.25 S MD ND ND ND ND ND ND ND	Oil Range Organics	EPA 8015B	1	mg/l	0.050		2.4	0.80		1.1		2.3	1.7	2.3	1.3
EPA 8015B	(25-230)		5	mg/l	0.25						6.1				
EPA 8015B	GLYCOLS														
EPA 8015B	Ethylene Glycol	EPA 8015B	1	mg/l	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Propylene Glycol	EPA 8015B	1	l/gm	20	QN	QN	ΩN	ND	ND	ND	ND	ND	ND	ND

SOURCE IDENTIFICATION/BMP EFFECTIVENESS SITES ANALYTICAL RESULTS

	A]4			D						Re	Results					
Analyte	Analytical	Dilution	Units	Keporung I imit	S-B08-1-	S-B08-2-	S-B08-2- S-B09-3-10 S-B11-4-10	S-B11-4-10	S-B05-5-	S-B07-6-10 S-B08-9-10 S-B03-10-	3-B08-9-10	S-B03-10-	S-B06-11-	S-B06-11- S-B06-12-10	S-B12-13-	S-B08-1410
	rroceanre			TIIIII	$10-14-06^{a}$	$10-14-06^{a}$	14-06 ^b	14-06 ^b	10-14-06	14-06	14-06	10-14-06	10-14-06	14-06	10-14-06	14-06
CONVENTIONALS																
BOD	EPA 405.1	1	mg/l	2.00	47.0	104	40.0	128	NA	NA	NA	NA	NA	9.20	8.60	41.0
COD	EPA 410.4	1	mg/l	0.100	122	144	107	329	NA	NA	NA	NA	NA	31.0	28.0	120
SC	EPA 120.1	1	mp/soyum	0.100	6.68	186	329	125	NA	NA	NA	NA	NA	155	182	378
Oil & Grease	EPA 413.1	1	mg/l	1.00	3.30	3.70	4.90	2.70	NA	NA	NA	NA	NA	1.10	1.20	3.60
Hd	EPA 150.1	1	pH Units	0.100	5.20	5.50	7.00	5.60	NA	NA	NA	NA	NA	6.70	6.70	7.30
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	57.0	0.96	38.0	144	NA	NA	NA	NA	NA	8.00	7.00	45.0
METALS (TOTAL)																
Aluminum	5 UUC V G E	2	hg/L	100	300				NA	NA	NA	NA	NA			
Aluminum	EFA 200.0	1	hg/L	50		810	130	7700	NA	NA	NA	NA	NA	ND	62	230
Copper	EPA 200.8	1	hg/L	2.0	54	63	50	150	120	230	220	2000	089	38	27	330
Iron	EPA 200.8	1	hg/L	50	0.20	1.1	0.21	11	NA	NA	NA	NA	NA	0.16	ND	0.45
Lead	EPA 200.8	1	hg/L	2.0	19	21	20	91	NA	NA	NA	NA	NA	21	22	24
Zinc	EPA 200.8	1	hg/L	2.0	330	240	120	1000	270	2100	210	720	190	92	60	240
METALS (DISSOLVED)	(D)															
	EDA 200 8	1	hg/L	2.0	46	58	50	40	71	36	210				19	120
Copper	EF A 200.0	1	hg/L	5.0								1700	460	30		
	8 UUC V G H	1	hg/L	2.0	260	210	110	220	200	1200	190				60	190
Zinc	EL 72 200.6	1	hg/L	10								029	130	81		
SIOACOLS				1												
Ethylene Glycol	EPA 8015B	-1	l/gm	50	QN	QN	ND ND	QN	NA	NA	NA	NA	NA	ND	ND	ND
Propylene Glycol	EPA 8015B	1	mg/l	50	ND	QN	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND

Notes:

a: The chain of custody indicated that samples S-B08-1 and S-B08-2 should be composited together as one sample for lab analysis. However, due to oversight by the lab, the samples were not composited together and individual

analyses were run on the samples.

b. ar. The chain of custody indicated that samples S-B09-3 and S-B11-4 should be composited together as one sample for lab analysis. However, due to oversight by the lab, the samples were not composited together and individual analyses were run on the samples.

COMPLIANCE SITES ANALYTICAL RESULTS

	Analytical			Reporting					Kes	Kesults				
Analyte	Procedure	Dilution	Units	Limit	C-B01-1- 12-17-06	C-B03-2- 12-17-06	C-B05-3- 12-16-06	C-B05-4- 12-16-06	C-B06-5- 12-17-06	C-B07-6- 12-16-06	C-B07-7- 12-17-06	C-B08-8- 12-17-06	C-B12-9- 12-16-05	C-B09-10 12-16-06
CONVENTIONALS									,					
Ammonia as N	SM 4500-NH3	1	mg/l	0.100	0.830	0.370	0.180	096'0	ND	0.240	0.260	0.120	ND	0.140
BOD	EPA 405.1	1	mg/l	2.00	43.0	32.0	25.8	71.0	0.99	47.0	65.0	18.0	148	35.0
COD	EPA 410.4	1	mg/l	0.100	129	87.0	47.0	163	120	121	182	47.0	389	101
SC	EPA 120.1	1	mp/soyum	0.100	184	117	101	6.69	247	119	272	182	10400	364
MBAS	EPA 425.1	1	mg/l	0.0500	0.180	0.200	0.120	0.160	0.220	0.110	0.170	0.0900	0.100	ND
Oil & Grease	EPA 413.1	1	mg/l	1.00	2.20	2.50	2.00	4.60	5.10	3.80	2.30	ND	1.40	2.00
Hd	EPA 150.1	1	pH Units	0.100	5.40	5.60	7.00	5.60	5.30	6.40	5.90	7.20	6.70	7.00
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	23.0	25.0	30.0	54.0	58.0	32.0	46.0	12.0	114	27.0
METALS (TOTAL)														
Aluminum	EPA 200.8	2	hg/L	50	1500	1500	2000	066	1500	110	2000	ND	100	950
Copper	EPA 200.8	2	hg/L	2.0	200	310	19	150	300	100	210	74	42	100
Iron	EPA 200.8	2	hg/L	40	1.9	2.1	2.0	1.3	1.8	1.8	3.0	ND	0.26	1.3
Lead	EPA 200.8	2	hg/L	2.0	12	20	16	4.7	7.3	5.1	23	ND	ND	5.4
Zinc	EPA 200.8	2	μg/L	2.0	250	220	140	74	220	830	760	120	160	240
METALS (DISSOLVED)	(Q)													
Copper	EPA 200.8	2	hg/L	2.0	140	160	4.3	100	240	45	22	54	9.2	82
	EPA 200.8	2	hg/L	2.0	200	130	7.3	43	170	200	450	120	150	180
TOTAL PETROLEUM HYDROCARBONS (TPH)	A HYDROCAL	RBONS (T	PH)											
Diesel Range Organics	EPA 8015B	1	mg/l	0.050	0.85	0.47	ND	ND	0.97	2.7	2.1	1.2		1.8
(-10-0.24)		2	mg/l	0.10									3.8	
Ief-A	EPA 8015B	1	mg/l	0.050	ND		ND							
11106	761001117	2	mg/l	0.10									ND	
Oil Range Organics	EPA 8015B	1	mg/l	0.050	0.89	0.61	0.67	1.7	1.1	2.1	1.6	0.73		2.1
(C22-C36)		2	mg/l	0.10									2.7	
GLYCOLS														
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	QN	QN	ND	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	QN N	ND	ND	ND	ND

SOURCE IDENTIFICATION/BMP EFFECTIVENESS SITES ANALYTICAL RESULTS

	4			D					Results	ults					
Analyte	Analytical Procedure	Dilution	Units	reporting I imit	S-B08-1/S-B08-2	S-B09-3/S-B11-4	S-S08-S	9-L08-S	S-B07-6 S-B08-8 12 S-B08-9 12 S-B03-10	S-B08-912	S-B03-10	S-B06-11	S-B06-12 12 S-B12-13 12 S-B08-14-	S-B12-13 12	S-B08-14-
	TIOCCUMIC			Tilling	12-17-06	12/17/06	12-17-06	12-16-06	16-06	17-06	12-17-06	12-17-06	17-06	17-06	12-17-06
CONVENTIONALS				1											
BOD	EPA 405.1	1	l/gm	2.00	38.0	43.0	NA	NA	NA	NA	NA	NA	13.4	10.4	18.0
COD	EPA 410.4	1	mg/l	0.100	0.96	136	NA	NA	NA	NA	NA	NA	29.0	30.0	47.0
SC	EPA 120.1	1	mp/soyum	0.100	145	160	NA	NA	NA	NA	NA	NA	107	194	182
Oil & Grease	EPA 413.1	1	l/gm	1.00	1.30	1.50	NA	NA	NA	NA	NA	NA	ND	ND	QN QN
hd	EPA 150.1	1	pH Units	0.100	5.50	5.70	NA	NA	NA	NA	NA	NA	7.00	7.20	7.20
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	26.0	30.0	NA	NA	NA	NA	NA	NA	6.00	6.00	12.0
METALS (TOTAL)															
Aluminum	EPA 200.8	2	hg/L	20	1700	1600	NA	NA	NA	NA	NA	NA	ΩN	82	Ð
Copper	EPA 200.8	2	hg/L	2.0	54	49	23	270	260	210	200	540	13	35	74
Iron	EPA 200.8	2	hg/L	40	2.4	2.5	NA	NA	NA	NA	NA	NA	ND	0.053	ND
Lead	EPA 200.8	2	hg/L	2.0	15	19	NA	NA	NA	NA	NA	NA	ND	ND	Ð
Zinc	EPA 200.8	2	T/6ri	2.0	220	250	180	0059	240	98	130	160	43	53	120
METALS (DISSOLVED)	(Q)														
Copper	EPA 200.8	2	hg/L	2.0	22	18	4.4	150	480	170	420	190	8.0	27	54
Zinc	EPA 200.8	2	T/6ri	2.0	94	100	6.0	2600	180	71	110	120	45	51	120
s IODA ID															
Ethylene Glycol	EPA 8015B	2	mg/l	10	ND _a	ND ^a	ΑN	Ϋ́	ΑN	NA	Ϋ́	ΑN	CZ	CN	£
Propylene Glycol	EPA 8015B	2	mg/l	10	ND^a	ND^a	NA	NA	NA	NA	NA	NA	Q.	ND ND	S

Notes: a: Sites S-B08-1, SB08-2, S-B09-3 and S-B11-4 were analyzed individually for Glycols. Results for all sites were "ND".

SOURCE IDENTIFICATION/BMP EFFECTIVENESS SITES ANALYTICAL RESULTS

	A molecules			Dengating					Results					
Analyte	Analytical	Dilution	Units	Keporting Limit	S-B08-1- / S-B08-2- 12-27-06	S-B09-3-/S-B11-4- 12-27-06	S-B05-5-	S-B07-6-12 27-06	S-B08-9-	S-B03-10- 12-27-06	S-B06-11- 12/27/06	S-B06-12- 12/27/06	S-B12-13- 12/27/06	S-B08-14-
CONVENTIONALS														
BOD	EPA 405.1	1	mg/l	2.00	47.0	56.0	NA	NA	NA	NA	NA	33.1	19.1	41.0
COD	EPA 410.4	1	mg/l	0.100	110	117	NA	NA	NA	ΑN	NA	61.0	35.0	0.06
SC	EPA 120.1	1	mp/soyum	0.100	108	9.66	NA	NA	NA	NA	NA	109	137	129
Oil & Grease	EPA 413.1	1	mg/l	1.00	1.80	2.10	NA	NA	NA	NA	NA	ND	QΝ	ND
Hd	EPA 150.1	1	pH Units	0.100	6.50	6.50	NA	NA	NA	NA	NA	6.80	6.50	6.70
Total Suspended Solids EPA 160.2	EPA 160.2	1	mg/l	1.00	19.0	23.0	NA	NA	NA	NA	NA	4.00	8.00	4.00
METALS (TOTAL)														
Aluminum	EPA 200.8	2	J/Bri	50	540	929	NA	NA	NA	NA	NA	100	140	120
Copper	EPA 200.8	2	hg/L	2.0	53	41	11	1200	270	260	290	22	30	29
Iron	EPA 200.8	2	hg/L	40	0.71	0.91	NA	NA	NA	NA	NA	0.16	0.23	0.14
Lead	EPA 200.8	2	hg/L	2.0	3.4	7.1	NA	NA	NA	NA	NA	ΩN	2.0	ND ND
Zinc	EPA 200.8	2	hg/L	2.0	200	160	64	5700	100	92	130	64	91	9/
METALS (DISSOLVED)	(D)													
Copper	EPA 200.8	2	hg/L	2.0	33	26	3.7	130	200	190	170	11	5.5	13
Zinc	EPA 200.8	2	hg/L	2.0	140	110	0.6	4300	71	99	73	62	99	59
SIOJAIJ														
Ethylene Glycol	EPA 8015B	2	mg/l	10	ND^a	ND^a	NA	NA	NA	NA	NA	ND	QN	N Q
Propylene Glycol	EPA 8015B	2	mg/l	10	ND^a	ND^a	NA	NA	NA	NA	NA	ND	ND	12.1

Notes: a: Sites S-B08-1, SB08-2, S-B09-3 and S-B11-4 were analyzed individually for Glycols. Results for all sites were "ND".

SOURCE IDENTIFICATION/BMP EFFECTIVENESS SITES ANALYTICAL RESILL TS

	Anolytical			Donorting S BO	S BOS 1/S BOS 2	SOURCE IDENTIFICATION/BMF EFFECTIVENESS SITES ANALYTICAL RESULTS Bonneting S ROS 1/S ROS 2 S ROS 3/S R11 4 S ROS 5 S ROZ 5 01 S R12 2 01 S R02 8 01 S R03 8 01 S R03 9	SPOSS	S B07 6 01	ES ANAL 1 S B12 7 01	FECTIVENESS SILES ANALY LICAL RESULTS S B05 5 S B07 6 01 S B13 7 01 S B08 8 01 S B03 10	SULIS PR 0 01	C B03 10	S B06 11	S BOK 11 S BOK 13 01 S B13 13 01 S B08 14 01	C B12 13 01	C B08 14 01
Analyte	Procedure	Dilution	Units	Limit	01-31-07	01-31-07	01-31-07	29-07	29-07	29-07	30-07	01-30-07	01-30-07	30-07	29-07	29-07
CONVENTIONALS																
BOD	EPA 405.1	1	mg/l	2.00	41.0	48.0	NA	NA	NA	NA	NA	NA	NA	24.0	28.0	44.0
COD	EPA 410.4	1	mg/l	0.100	119	116	NA	NA	NA	NA	NA	NA	NA	53.0	59.0	0.96
SC	EPA 120.1	1	mp/soyun	0.100	120	144	NA	NA	NA	NA	NA	NA	NA	148	159	192
Oil & Grease	EPA 1664	1	mg/l	2.00	3.70	3.20	NA	VΝ	NA	NA	NA	NA	NA	ND	ND	ND
Hd	EPA 150.1	1	pH Units	0.100	6.70	6.80	NA	NA	NA	NA	NA	NA	NA	7.00	6.70	6.80
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	24.0	29.0	NA	NA	NA	NA	NA	NA	NA	7.00	5.00	12.0
METALS (TOTAL)																
Aluminum	EPA 200.8	2	1/6ri	20	150	180	NA	NA	NA	NA	NA	NA	NA	73	QN	ND
Copper	EPA 200.8	2	ηg/L	2.0	51	32	6.6	810	59	1100	220	420	460	27	18	38
Iron	EPA 200.8	2	hg/L	20	0.12	0.15	NA	NA	NA	NA	NA	NA	NA	0.088	ND	ND
Lead	EPA 200.8	2	hg/L	2.0	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
Zinc	EPA 200.8	2	hg/L	2.0	190	170	32	21000	240	5100	66	200	240	84	69	95
METALS (DISSOLVED)	(U)															
Copper	EPA 200.8	2	J/bri	2.0	43	28	5.8	800	54	1100	200	370	420	20	11	32
Zinc	EPA 200.8	2	hg/L	2.0	180	160	6.5	20000	230	2000	86	200	230	79	64	91
81000 10																
GELCOES												Ī				
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND^a	${ m ND}^a$	NA	NA	NA	NA	NA	NA	NA	ND	16.4	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND^a	ND^a	NA	NA	NA	NA	NA	NA	NA	N	58.0	11.6

Notes: a: Sites S-B08-1, SB08-2, S-B09-3 and S-B11-4 were analyzed individually for Glycols. Results for all sites were "ND".

SOURCE IDENTIFICATION/BMP EFFECTIVENESS SITES ANALYTICAL RESILL TS

			SOL	SOURCE IDENTI		FICATION/BMF EFFECTIVENESS SITES ANALY HEAL KESULIS	(CIIVE)	VESS SI	LES AINA	LYIICA	IL KESU	CIT				
Analyte	Analytical Procedure	Dilution	Units	Reporting S-B08-1 Limit 02	S-B08-1- / S-B08-2- 02-20-07	[-/ S-B08-2- S-B09-3-/S-B11-4- S-B05-5-02/S-B07-6-02 S-B12-07- S-B08-8-02/S-B08-9-02/S-B03-10- -20-07 02-20-07 18-07 02-18-07 02-07 02-20-07	S-B05-5-02. 20-07	S-B07-6-02. 18-07	S-B12-07-	S-B08-8-02.	S-B08-9-02. 20-07	S-B03-10- 02-20-07	S-B06-11- 02-20-07	S-B06-11- S-B06-12-02-S-B12-13-02-S-B08-14-02-02-20-07 20-07 19-07 20-07	S-B12-13-02	S-B08-14-02. 20-07
CONVENTIONALS																
BOD	EPA 405.1	1	mg/1	2.00	35.0	30.0	NA	NA	NA	NA	NA	NA	NA	27.0	18.0	58.0
COD	EPA 410.4	1	l/gm	0.100	82.0	75.0	NA	NA	NA	NA	NA	NA	NA	62.0	40.0	130
SC	EPA 120.1	1	mp/soyum	0.100	95.0	159	NA	NA	NA	NA	NA	NA	NA	220	118	353
Oil & Grease	EPA 1664	1	l/gm	1.00	1.80	1.20	NA	NA	NA	NA	NA	NA	NA	ND	ND	1.40
Hd	EPA 150.1	1	pH Units	0.100	6.70	09'9	NA	NA	NA	NA	NA	NA	NA	8.40	6.80	09'9
Total Suspended Solids	EPA 160.2	1	mg/1	1.00	28.0	33.0	NA	NA	NA	NA	NA	NA	NA	6.00	16.0	4.00
METALS (TOTAL)																
Aluminum	EPA 200.8	2	hg/L	95	51	100	NA	NA	NA	NA	NA	NA	NA	260	ND ND	ND
Copper	EPA 200.8	2	μg/L	2.0	25	18	6.6	63	32	120	370	350	420	11	14	43
Iron	EPA 200.8	2	√S/L	95	ND	0.12	NA	NA	NA	NA	NA	NA	NA	0.32	0.055	0.29
Lead	EPA 200.8	2	T/6ri	2.0	ND	QN	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND
Zinc	EPA 200.8	2	hg/L	2.0	130	84	42	2200	59	51	150	140	140	30	62	270
METALS (DISSOLVED)	(A)															
Copper	EPA 200.8	2	hg/L	2.0	18	17	5.6	28	26	96	340	310	390	6.1	11	28
Zinc	EPA 200.8	2	η/βπ	2.0	130	92	5.0	2300	57	46	150	140	140	5.0	63	250
SIOJAIJ																
Ethylana Glycol	EDA 8015B	·	l/om	10	NDå	MDå	VIV	VΝ	VV	V.V	Ϋ́	Ž	VIV	N.	E	CZ
Luiy iciic Giycoi	action with	7	io.	OT	GVI.	OM.	CAT	CNI	CAT	CAT	UNI	CAT	ING	JVI.	Į.	J.
Propylene Glycol	EPA 8015B	2	mg/l	10	${ m ND}^{ m a}$	ND^{a}	NA	NA	NA	NA	NA	NA	NA	ND	10.3	32.4

Notes: a: Sites S-B08-1, S-B08-2, S-B09-3 and S-B11-4 were analyzed individually for Glycols. Results for all sites were "ND".

SOURCE IDENTIFICATION/BMP EFFECTIVENESS SITES ANALYTICAL RESULTS

	;				S-B08-1- / S-B09-3-	S-B09-3-			6
Analyte	Analytical Procedure	Dilution	Units	Keporting Limit	S-B08-2- 02-23-07	/S-B11-4- 02-23-07	S-B05-5- 02-23-07	S-B05-5- S-B12-07- 02-23-07 02-22-07	S-B08-8- 02-22-07
CONVENTIONALS									
BOD	EPA 405.1	1	mg/l	2.00	12.3	8.50	NA	NA	NA
COD	EPA 410.4	1	mg/l	0.100	21.0	14.0	NA	NA	NA
SC	EPA 120.1	1	mp/soyum	0.100	73.4	71.4	NA	NA	NA
Oil & Grease	EPA 1664	1	mg/l	1.00	1.20	1.00	NA	NA	NA
Hd	EPA 150.1	1	pH Units	0.100	08.9	6.90	NA	NA	NA
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	11.0	7.00	NA	NA	NA
METALS (TOTAL)									
Aluminum	EPA 200.8	2	T/6rl	09	110	110	NA	NA	NA
Copper	EPA 200.8	2	T/Brl	2.0	27	23	10	27	180
Iron	EPA 200.8	2	T/6ri	95	990'0	0.071	NA	NA	NA
Lead	EPA 200.8	2	T/6ri	2.0	ΩN	ΩN	NA	NA	NA
Zinc	EPA 200.8	2	T/6ri	2.0	86	74	43	31	47
METALS (DISSOLVED)									
Copper	EPA 200.8	2	T/6rl	2.0	20	91	5.4	21	170
Zinc	EPA 200.8	2	T/6ri	2.0	06	<i>L</i> 9	7.3	27	41
GLYCOLS									
Ethylene Glycol	EPA 8015B	2	mg/l	10	NDa	NDa	NA	NA	NA
Propylene Glycol	EPA 8015B	2	mg/l	10	NDa	NDa	NA	NA	NA

Notes:

a: Sites S-B08-1, SB08-2, S-B09-3 and S-B11-4 were analyzed individually for Glycols. Results for all sites were "ND".