San Diego County Regional Airport Authority
Fiscal Year 2008-2009
Annual Illicit Discharge Detection and Elimination Report

December 2009

Municipal Stormwater Permit

Annual IDDE Report for Fiscal-Year 2008-2009

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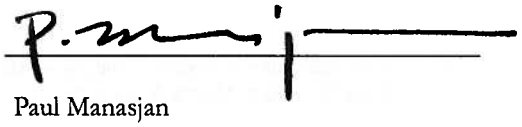
Appendices

Statement of Certification for the Fiscal Year 2008-2009 Annual Report for the Illicit Discharge Detection and Elimination Component of The Airport Authority Storm Water Management Program

"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: November 25, 2009

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

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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
San Diego County Regional Airport Authority

30 June '03
Date

Cc: Paul Manasjan, Director, Environmental Affairs
Zane Gresham, Morris & Foerster

SAN DIEGO INTERNATIONAL AIRPORT

1 INTRODUCTION

The Authority submits this Fiscal Year 2008-2009 Annual Report for the Illicit Discharge Detection and Elimination Component of the Airport Authority Storm Water Management Program (FY08-09 Annual IDDE Report) in compliance with Addendum 2 to California Regional Water Quality Control Board, San Diego Region (RWQCB), Order No. R9-2007-0001, 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, the San Diego Unified Port District, and the San Diego County Regional Airport Authority (the Municipal Permit). Addendum 2 was adopted in September of 2008 and modified Section J.3.a of the Municipal Permit to require that, beginning 2008, the annual report containing the comprehensive description of all activities conducted to meet Section D.4 of the Permit be submitted on December 15 of each year and that the report cover the dry season of May 1 through September 30 of that year. In following the reporting outline created by the Copermittees, which puts illicit discharge detection and elimination (IDDE) in the same chapter as other monitoring efforts, this report describes specific stormwater management activities related to IDDE conducted by the San Diego County Regional Airport Authority (Authority) during the dry weather season of 2009 (May 1 through September 30) and the wet weather monitoring conducted during the period of July 1, 2008 to June 30, 2009 (fiscal year 2008-2009). These two efforts are collectively referred to as the Authority's Urban Runoff Monitoring Program.

The Authority owns and operates the San Diego International Airport (SDIA). The entire jurisdictional area of the Authority consists of the airport itself - approximately 660 acres, less than 2 miles northwest of downtown San Diego, and adjacent to San Diego Bay. More than 85% of the airport property is covered by impervious surfaces. Stormwater runoff from SDIA discharges into San Diego Bay through 14 storm drain outfalls.

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. SDIA is located on State of California tidelands and are held in trust for the benefit of the citizens of California. As such, there is no private property and no residential population within the Authority's jurisdictional boundaries. 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.

Section 9 of the SWMP describes the IDDE program conducted by the Authority. The IDDE program builds on several elements of the Authority's stormwater management program, which together create a comprehensive approach to preventing, detecting, and eliminating illegal discharges and illicit connections. The Authority has established the following program elements to detect illegal discharges and illicit connections: 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.

The Municipal Permit specifies the waste discharge requirements for discharges of urban runoff from the MS4s of the jurisdictions named therein and referred to as the Copermittees. The Municipal Permit outlines the responsibilities of 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 Authority prepared a Storm Water Management Plan (SWMP) in March of 2008 to fulfill the Municipal Permit requirement to prepare a JURMP Document.

The FY08-09 Annual IDDE Report presents a compilation of the Authority's stormwater illicit discharge detection and elimination management efforts as well as the Authority's wet weather monitoring program in the following order:

1 Introduction

2 Public Reporting of Illicit Discharges and Connections

3 Spill Reporting, Response, and Prevention

3.1 IDDE Reporting and Response

3.2 Sanitary Sewage Spill Prevention and Response

3.3 Used Oil and Toxic Materials Disposal

4 Urban Runoff Monitoring

4.1 Dry Weather Monitoring

4.2 Airport Wet Weather Monitoring

5 Follow-up and Enforcement

6 Program Review and Modification

The report has been prepared by the Authority Environmental Affairs Department with the assistance of the Facilities Management 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 Municipal Permit.

2 PUBLIC REPORTING OF ILLICIT DISCHARGES AND CONNECTIONS

Authority regulations prohibit illegal discharges and illicit connections. Authority staff and airport tenants play an important role in the detection of illegal discharges and illicit connections. Education and outreach efforts for Authority staff and airport tenants are directed at stormwater pollution prevention, including the detection and elimination of illegal discharges/illicit connections. As noted in previous Annual Reports and the SWMP, 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 and illicit connections as described in Section 9 of the 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 illegal discharge/illicit connection 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 webpage 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 SWMP, the IDDE program, and both telephone numbers and E-mail addresses for the Environmental Affairs Department.

The Airside Operations Department 24-hour telephone number functions as a hotline for airport tenants and Authority 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.

During FY08-09, there were a total of 196 IDDE events reported to the Authority using either the telephone numbers or the web pages noted above. These 196 IDDE events are discussed further in Section 3.1 below.

3 SPILL REPORTING, RESPONSE, AND PREVENTION

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 allow for virtually every action to be 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 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 1 highlights the regular inspection activities conducted by the Environmental Affairs Department during the reporting period.

Table 1 IDDE MS4 Inspection and Monitoring Conducted During FY08-09

Date	Inspection Element
8/04/08	Dry Weather Monitoring (2008 Dry Weather Season)
8/12/08	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
11/04/08	Monthly Wet Weather Visual Observations
11/18/08 – 11/21/08	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
12/15/08	Monthly Wet Weather Visual Observations – sample collected
02/16/09	Monthly Wet Weather Visual Observations
02/23/09 – 02/26/09	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
03/22/09	Monthly Wet Weather Visual Observations
04/03/09 – 04/13/09	Quarterly Authorized/Unauthorized Non-Stormwater Discharge Monitoring
05/27/09	Dry Weather Monitoring (2009 Dry Weather Season)
06/25/09	Dry Weather Monitoring (2009 Dry Weather Season), Sampling and Follow-up to 05/27/09
07/23/09	Dry Weather Monitoring (2009 Dry Weather Season)
08/27/09	Dry Weather Monitoring (2009 Dry Weather Season), Follow-up to 07/23/09

3.1 IDDE REPORTING AND RESPONSE

Appendix A presents information on the 196 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 nine categories shown in Table 2. The nature and disposition of all 196 IDDE incidents noted in Table 2 are presented in Appendix A.

Table 2 Summary of IDDE Incidents by Category as Reported During FY08-09*

Incident Category	Number of Incidents
Trash Spill - Airside	71
Improper Storage	38
Petroleum Spill - Airside	28
Trash Spill - Landside	21
Integrated Pest Management	17
Sewage/Triturator	14
Construction Maintenance	4
Petroleum Spill - Landside	3

*See Appendix A for detailed descriptions of each incident.

The most frequently reported type of incident was trash spills on the airside, comprising 36% of the total. The "Trash-Spill Airside" IDDE category has been the most frequently reported issue for five of the last six fiscal years. This trend is related to the Authority's (and the entire aviation community's) concern for trash and debris on the airside as serious threats to the safe operation of a jet engine. Therefore, people working on the airside are keenly aware of issues involving trash and debris. Another reason for the trend is that two of the four Solid Waste Disposal Areas are on the airside, which increases the chances that a "trash or non-petroleum spill" will occur on the airside.

Improper Storage was the second most frequently reported type of IDDE event, comprising 19% of the total. "Improper Storage" was a new category added to the Authority's IDDE event tracking list this fiscal year after an evaluation of our inspection program identified this as a significant category that should be monitored. This issue is partially related to a lack of indoor storage area available for use by airport tenants. The Authority will continue to track improper storage as an IDDE event in order to determine the best management methods.

Petroleum spills on the airside were the third most frequently reported type of IDDE event, comprising 14% of the total. Approximately 450,000 gallons of jet fuel are transferred from tanker trucks to aircraft every day. The number of petroleum spill reports reflects the sensitivity of Authority staff and airport tenants to the fire hazard and environmental concerns associated with these types of spills. The majority of these spills are less than five gallons and all spills are cleaned up immediately.

Trash spills that occurred on the landside comprise 11% of the total number of events listed in Table 2. The "Trash -Spill Landside" IDDE category has historically also been one of the more frequently reported issues. This is partially reflective of the impact that approximately 60,000 people a day coming to the airport can have on the facility and also reflects the constant vigilance and scrutiny of Authority staff and airport tenants on site conditions.

The 17 Integrated Pest Management (IPM) issues listed in Table 2 represent 9% of the total and generally involve the appropriate application of pesticides, not an illegal discharge. Tracking pesticide application events 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 sewage related IDDE issues listed in Table 2 comprise 7% of the total and are discussed in Section 3.2 below.

Construction maintenance incidents and petroleum spills on the airside each represented 2% or less of the total. Relevant aspects of any significant spills or releases are discussed below in Section 5.

3.2 SANITARY SEWAGE SPILL PREVENTION AND RESPONSE

Section 6.5 of the 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 2 above and as detailed in Appendix A, there were
14 IDDE incidents related to sewage at SDIA during the reporting period. Nine 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 nine IDDE incidents at the triturator: three involved a mechanical problem with unit; one involved a clog in the sewer line; four involved evidence that lavatory waste had been trailed out of the containment area by the lavatory waste truck; and the final one involved a spill from a lavatory waste truck that breached the containment berm. Only one of these nine events involved a sewage spill and none of these nine events impacted the stormwater conveyance system.

Of the five remaining IDDE sewage incidents that did not involve the triturator: two involved leaks or minor spills from lavatory waste trucks operating at the terminals gate and off-loading lavatory waste from aircraft; one involved a grease trap malfunction and spill on the airside; and two involved sewage leaks from buildings on the landside. Each of these spills was addressed immediately, the spills cleaned up, and the problems corrected. None of these five IDDE incidents related to sewage impacted the stormwater conveyance system.

3.3 USED OIL AND TOXIC MATERIALS DISPOSAL

Section 9.3.1 of the SWMP discusses spill prevention and proper materials storage and handling. SWMP Section 9.3.1 refers to the BMPs required for use at the airport that are related to material storage, handling, and spill response. These BMPs describe the mechanisms required for use by the Authority which facilitate the proper management and disposal of used oil and toxic materials. 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, the Authority hosted three separate two-day electronic and universal waste collection events in August of 2008, January of 2009 and April of 2009. These three events were open to all Authority staff and airport 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 3 lists the hazardous materials disposed of by the Authority during FY08-09, a portion of which includes the universal waste collected at the electronic and universal waste collection events.

Table 3 Hazardous Wastes Disposed of by The Authority During FY08-09

Description of Waste	Quantity Disposed
Hazardous Waste, Solid	80 pounds
Hazardous Waste, Corrosive Liquid	14 gallons
Hazardous Waste, Aerosols, Flammable	40 pounds
Hazardous Waste, Flammable Liquid (Paints and Thinners)	245 gallons
Asbestos and Non-friable Waste	50 cubic yards
Non-RCRA Hazardous Waste, Solid (Absorbent, Soil, Toner, and Debris)	334 tons
Non-RCRA Hazardous Waste, Solid (Oily Debris and/or Diesel	1,965 pounds
Non-RCRA Hazardous Waste, Liquid	2,695 gallons
Non-Hazardous Waste, Solid (Soil)	27.5 tons
Non-Hazardous Waste, Liquid (Rinse Water)	550 gallons
Waste Flammable Solid, Organic	255 pounds
Universal Waste (Fluorescent Lamps, Monitors, Alkali and/or Rechargeable Batteries)	2,500 pounds

4 URBAN RUNOFF MONITORING

The Authority conducts or participates in the urban runoff monitoring programs to meet requirements of the Municipal Permit. Several of these programs are carried out and reported on collectively by the Copermittees. The Authority conducts two stormwater monitoring programs at the airport: a dry weather monitoring program and an Airport wet weather monitoring program. Information relevant to these two programs during FY08-09 is presented below.

4.1 DRY WEATHER MONITORING

The Municipal Permit requires the Authority to develop a program that can identify non-stormwater illegal discharges/illicit connections. The Permit requires observations and water quality analysis of dry weather flows between June and September as a part of the dry weather monitoring program. Appendix D of the SWMP presents the dry weather monitoring program developed for the airport (see SWMP Appendix D-1).

The dry weather monitoring program allows the Authority to characterize dry weather flows at SDIA, to eliminate illegal discharges and illicit connections, 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 four seasons, the Authority has increased the number of monitoring events to three 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.

The Authority has implemented a dry weather monitoring program since 2003. Over the past six years, the dry weather monitoring program has been continuously evaluated and improved to represent the land use activities at the Airport. The program originally started with four dry weather monitoring locations, but was expanded to ten locations in FY06-07. 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. There were three dry weather monitoring events scheduled during the 2009 dry weather season; May 27, 2009, June 25, 2009, and July 23, 2009. There were also three follow-up investigations for the 2009 dry weather season conducted in response to the lab results from the dry weather monitoring events. Follow ups were conducted on June 25, 2009 for the May monitoring event, July 23, 2009 for the June monitoring event, and August 27, 2009 for the July monitoring event.

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.

Each site was also subject to an evaluation of how much trash was present at the site during each monitoring event based on a five level rating system. The rating system, developed by the copermittees, is described below.

Optimal - On first glance, no trash visible. Little or no trash (<10 pieces) evident when area is closely examined for litter and debris.

Suboptimal - On first glance, no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.

Marginal - Trash is evident in low to medium levels (~50-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.

Submarginal - Trash distracts the eye on first glance. Evaluated area contains substantial levels of littler and debris (>100-400 pieces). Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.

Poor - Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

At the Airport trash, or foreign object debris (FOD), is rarely a problem due to the nature of the environment. Airport and Authority employees are trained to be especially mindful of FOD, and pick up any that is seen on the airside, because it can easily become a safety hazard with the planes. This mind set is reflected in the fact that 80% of our sites received optimal ratings during all three monitoring events and none of the sites received below a suboptimal rating during any of the monitoring events.

The field data sheets and analytical data reports for the each of the dry weather monitoring events are discussed below and presented in Appendix B.

Site C-B01-1 – no evidence of overland flow was observed but ponded water was present during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring and follow-up events. On May 27, 2009 slightly cloudy water with a yellow color and some organic floatables was observed in the catch basin. Field samples were collected but no samples exceeded field action levels and therefore no laboratory analysis was conducted. On June 25, 2009 water with a yellow color was observed in the catch basin. Sampling for field action levels showed an exceedance for MBAS. Laboratory samples showed an exceedance only for copper. Recognizance was conducted at the time of the monitoring event and a follow-up field visit was conducted at the site on July 23, 2009 in response to the lab results from the June monitoring event. Neither investigation found evidence of an illegal discharge in the vicinity nor identified upstream sources. On July 23, 2009 water with a yellow color and some fine particulate was observed in the catch basin. Sampling for field action levels showed exceedances for ammonia and MBAS. Laboratory samples showed an exceedance only for copper. Recognizance was conducted at the time of the monitoring event and a follow-up field visit was conducted at the site on August 27, 2009 in response to the lab results from the July monitoring event. Neither investigation found evidence of an illegal discharge in the vicinity nor identified upstream sources.

Site C-B03-2 – no overland flow was observed but water was present and the site was determined to be tidally influenced during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring events. The results of conductivity testing conducted during each of the three events suggested that the water resulted from seawater intrusion; therefore, no further field analyses were conducted and no laboratory analyses were performed.

Site C-B05-3 - this site 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. Ponded water, likely due to the watering truck, was observed during all three monitoring events; namely, May 27, 2009, June 25, 2009, and July 23, 2009. During the May monitoring event, the water observed in the catch basin was yellow in color, slightly cloudy and contained some sediment and fine particulate. Organic floatables were also noted. Again, during the June event the water observed in the catch basin was yellow in color, and contained some sediment and fine particulate. Some vegetation and insects were also observed during the June event. Field screening on all three days showed no action level exceedances and, therefore, lab tests were not necessary.

Site C-B05-4 - no overland flow was observed but water was present during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring events. During the July 23, 2009 monitoring event, insects were observed in the catch basin. Based on the high level of conductivity measured at this site, which suggested that the water present was seawater, the site was determined to be tidally influenced, and no further field analyses or laboratory analyses were performed.

Site C-B06-5 – no overland flow was observed during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring events. On May 27, 2009, the site was dry and some sediment and gravel was observed in the catch basin. On June 25, 2009, some sediment and gravel were present in the catch basin and the water observed was yellow in color. On July 23, 2009, sediment and gravel were present and some insects were observed. During the June 25, 2009, and July 23, 2009 monitoring events, the site was determined to be tidally influenced. The high level of conductivity measured at the site suggested seawater intrusion and no further field analyses or laboratory analyses were performed.

Site C-B07-6 – no evidence of overland flow was observed during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring events. The site was moist and musty in odor on May 27, 2009, but dry with no odor for the June and July monitoring events. During both the May 27, 2009 and June 25, 2009 monitoring events, sediment and gravel, sheen and/or oily deposits were observed in the catch basin. The presence of sheen has historically been noted at this site and is likely due to its proximity to an oil-water separator and parking area for fuel trucks and other equipment. No other sources were identified in the area at the time of the sampling. Because the site was dry no further field analyses or laboratory analyses were performed.

Site C-B07-7 - the site was dry and no evidence of overland flow was observed during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring events During the May 27, 2009 and June 25, 2009 monitoring events, sediment and gravel were present in the catch basin with limited vegetation observed in the catch basin in June. Because the site was dry no further field analyses or laboratory analyses were performed.

Site C-B08-8 – ponded, yellow/brown, slightly cloudy water and trash were observed during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring and follow-up visits. On May 27, 2009 no evidence of overland flow was observed but the color of the water in the catch basin was yellow/brown. Results from the field tests could not be interpreted and/or were inconclusive. As such, laboratory analysis was conducted and showed exceedances for total coliform, copper and zinc. On June 25, 2009 no evidence of overland flow was observed and the color of the water in the catch basin was yellow/brown. Again, results from the field tests could not be interpreted and/or were inconclusive. Laboratory analysis was conducted and showed exceedances for copper and zinc. For both the May and June monitoring events, recognizance was conducted at the time of the event and a follow-up field visit was conducted at the site at later dates (June 25, 2009 and July 23, 2009) in response to the lab results from the monitoring event. Neither investigation found evidence of an illegal discharge in the vicinity nor identified upstream sources. On July 23, 2009 evidence of overland flow was observed at the site and bubbles/foam, sheen, sediment and insects were also observed in the catch basin. Sampling for field action levels showed an exceedance for ammonia. Laboratory samples showed exceedances for copper and zinc. Reconnaissance was conducted at the time of the monitoring event and a follow-up field visit was conducted at the site on August 27, 2009, in response to the lab results from the July monitoring event. Neither investigation found evidence of an illegal discharge in the vicinity nor identified upstream sources.

Site C-B12-9 - no evidence of overland flow was observed during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring events. Sediment, gravel, and/or fine particulates were observed in the catch basin during all three events and stains were observed during the July event. During all three events ponded water was also observed in the catch basin but the site was determined to be tidally influenced, based on the high level of conductivity measured, and therefore no further field analyses or laboratory analyses were performed.

Site C-B09-10 – the site was dry during the May 27, 2009, June 25, 2009, and July 23, 2009 monitoring events. Although evidence of irrigation runoff was observed during the May monitoring event, no water was present. No evidence of overland flow was observed in June or July when the catch basin was again dry. Sediment and gravel were observed in the catch basin in May, fine particulates in June, and no debris of note in July. No further field analyses or laboratory analyses were performed at this site during any of the monitoring events.

Table 4 lists the dry weather monitoring 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 2009 dry weather season, there were three 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 exceeded action levels for MBAS in June and MBAS and ammonia during the July monitoring event. Laboratory analyses of the ponded water collected at Site C-B01-1 each time reported that copper concentrations exceeded the action levels. There was no evidence of illegal discharge in the vicinity of Site C-B01-1. The laboratory results suggesting copper as potential pollutant of concern are similar to the results from the FY07-08 and FY06-07 dry weather monitoring program and are consistent with the results of the Authority's wet weather monitoring program (discussed in Section 4.2 below). Field sampling of the ponded water at Site C-B05-3 did not exceed action levels during all three monitoring events during the 2009 dry weather season. Subsequently there was no requirement to collect a sample for laboratory analysis. The results for Site C-B05-3 are similar to the results from the FY07-08 and FY06-07 dry weather monitoring program. Site C-B08-8 had ponded water on all three occasions during the 2009 dry weather season. During the first two 2009 events, results from the field test kits could not be interpreted and/or were inconclusive. Field analysis from the final monitoring event in July identified ammonia as exceeding the field screening action levels. These field results are similar to the results from the FY07-08 and FY06-07 dry weather monitoring program. The laboratory data for all three of the 2009 monitoring events at Site C-B08-8 showed exceedances for copper and zinc, with one of the three monitoring events also showing exceedances for total coliforms. The laboratory results suggesting copper and zinc as potential pollutants of concern are consistent with the results of the Authority's wet weather monitoring program. Finally, there were no unauthorized discharges identified as a result of the dry weather monitoring activities conducted in 2009 dry weather monitoring season.

Table 4 Dry Weather Monitoring Program Sample Sites During FY08-09

Site ID	Site Description	Dates with Sufficient Water to Sample	Type of Analyses (S, F, L)*	Potential Pollutant(s) of Concern Indentified
CB01-1	Grated inlet inside zipper line, south of FBO, north of runway	5/27/09*	F	Ammonia, MBAS, pH, Cu, Zn
		6/25/09*	F, L	pH, Cu, Zn
		7/23/09* (routine investigation and follow up)	F, L	Cu, Zn
CB03-2	Grated inlet inside zipper line, south of runway, near B1-D sign	5/27/09*	S	
		6/25/09*	S	
		7/23/09		
CB05-3	Grated inlet within the rental car holding lot	5/27/09*	F	
		6/25/09*	F	
		7/23/09*	F	
CB05-4	Grated inlet, south of runway, north of generator yard	5/27/09*	S	
		6/25/09*	S	
		7/23/09*	S	
CB06-5	Grated inlet southeast of control tower	5/27/09		
		6/25/09*	S	
		7/23/09*	S	
CB07-6	Inlet pipe, in manhole west of oil water separator in cargo area	5/27/09		
		6/25/09		
		7/23/09		
CB07-7	Grated inlet south of cargo area, west of West Wing	5/27/09		
		6/25/09		
		7/23/09		
CB08-8	Grated inlet northwest of Terminal 1 East, across from Gate 8	5/27/09*	F, L	Ammonia, MBAS, Total Coliforms, Cu
		6/25/09* (routine investigation and follow-up)	F, L	Ammonia,Total Coliforms, Cu
		7/23/09*(routine investigation and follow-up)	F, L	Ammonia, Total Coliforms, Cu, Zn
		8/27/09 (follow-up investigation)		
CB12-9	Grated inlet in West RON	5/27/09*	S	
		6/25/09*	S	
		7/23/09*	S	
CB09-10	Manhole near Terminal 2 Parking Entrance, on north side	5/27/09		
		6/25/09		
		7/23/09		

* Site had sufficient water to sample
S = Sample conductivity suggests seawater and no further analyses conducted.
F = Field analyses conducted.
L = Laboratory analyses conducted.

4.2 AIRPORT WET WEATHER MONITORING

The Authority has developed a wet weather monitoring program to address three objectives: 1) to comply with the General Industrial Permit requirements applicable to the airport; 2) to identify and characterize pollutants-of-concern (POCs); and 3) to measure BMP effectiveness. The wet weather monitoring program is described in detail in Appendix D.2 of the SWMP. The monitoring program includes three sampling elements designed to address the three objectives of the program:

1. Compliance sampling - performed to comply with the General Industrial Permit; and
2. Source identification sampling - a multi-year effort performed to identify and rank sources of pollutants of concern at SDIA in terms of annual mass loading in stormwater, identify the potential for reduction in the concentrations of these pollutants of concern through BMP implementation, and identify that combination of sources best addressed through BMP implementation to achieve pollutant load reduction objectives; and
3. BMP Effectiveness sampling - a multi-year effort to monitor the performance and effectiveness of BMPs. Structural and non-structural BMP performances are being evaluated at locations that receive runoff from both industrial and non-industrial drainage basins to assess whether the BMPs are reducing pollutant concentrations (for both primary and secondary pollutants of concern) below benchmark values and whether BMPs are achieving the short-term and long-term pollutant load reduction objectives developed by the Authority for the primary pollutants of concern at SDIA (specifically, copper and zinc).

All the sampling locations are described in Appendix D-2 of the SWMP. The sampling locations selected for compliance monitoring are the same 10 sites used in the dry weather monitoring program and listed in Table 7-4 above. There are fourteen sampling locations used to characterize the quality of non-industrial stormwater runoff associated with vehicle and aircraft use and emissions, atmospheric deposition, and galvanized metal structures, particularly metal roofs. For BMP effectiveness monitoring, 7 sampling locations were selected from the 14 source identification sampling locations to minimize the number of additional sampling locations.

The results of the FY08-09 wet weather monitoring program were detailed by MACTEC Engineering and Consulting, Incorporated, in a report entitled "Draft 2008-2009 Storm Water Sampling Summary Report," and dated July 2009. The FY08-09 wet weather season resulted in a total rainfall of 9.12 inches at SDIA compared to the annual average rainfall of 10.2 inches. During the FY08-09 wet weather season, sampling activities were performed during six storm events. Table 5 provides a summary of the total rainfall and duration of each storm.

Table 5 Sampled Storm Event Summary

Event	Date	Total Rainfall (inches)	Event Duration (hours)
1	11/26/2008	0.93	6.2
2	12/15/2008	0.98	17.7
3	12/22/2008	0.44	3.5
4	2/5/2009	0.40	16.8
5	2/16/2009	0.47	4.7
6	3/22/2009	0.12	1.1

The compliance sampling element of the program was completed during the first two storm events of the season November 26, 2008 and December 15, 2008. A total of 20 compliance samples were collected over the two storm events at 10 sampling sites. A summary of the results, showing median, maximum, and minimum values, along with the coefficient of variance, is presented in Table 6.

Table 6 Compliance Sampling Analytical Results Summary

Pollutant of Concern	**Units**	**Median**	**Coefficient of Variance (%)**	**Maximum Value**	**Minimum Value**	**Number of Samples**
Ammonia as N	mg/L	0.83	62.3	2.4	0.29	20
BOD	mg/L	32	53	68	8	20
COD	mg/L	110.5	53.6	242	28	20
SC	µmhos/cm	211	78	791	24	20
Oil & Grease	mg/L	1	39.5	2	0.5	20
pH	pH Units	6.66	7.4	7.8	5.81	20
TSS	mg/L	7.5	92.2	35	1	20
Aluminum, Total	µg/L	445	136	5,300	25	20
Copper, Total	µg/L	130	91	590	8.6	20
Iron, Total	µg/L	735	127.1	6,600	25	20
Lead, Total	µg/L	5.15	114.9	34	1	20
Zinc, Total	µg/L	265	81.9	1,200	19	20
Copper, Dissolved	µg/L	73.5	107.8	490	5.8	20
Zinc, Dissolved	µg/L	235	69.9	490	10	20
Ethylene Glycol	mg/L	5	0	5	5	20
Propylene Glycol	mg/L	5	0	5	5	20
MBAS	mg/L	0.155	52.3	0.34	0.025	20
Diesel Range Organics	mg/L	0.4	115.5	1.9	0.025	20
Jet-A	mg/L	0.025	0	0.025	0.025	20
Oil Range Organics	mg/L	1.1	60.1	3	0.35	20

Table 7 shows a comparison of the median concentrations calculated for the compliance sampling pollutants of concern to the benchmarks, to determine the number of benchmark exceedances that occurred. Specific conductivity, oil and grease, total suspended solids, total zinc and ethylene glycol did not exceed the benchmarks. Total copper and total iron both had exceedance frequencies of 95%. Biologic oxygen demand (BOD), dissolved copper, and dissolved zinc each exceeded the benchmarks in over 50% of the samples. The remaining pollutants of concern exceeded the benchmarks in 45% or less of the samples. These results are consistent with historical data for POCs at SDIA. The source identification sampling and BMP effectiveness monitoring efforts are designed to help assess the need for potential stormwater management program changes. As monitoring and sampling continue in the future, possible sources of the analytes that exceeded the benchmarks, as well as the status of BMP implementation, will continue to be evaluated and modified as needed.

Table 7 Comparison of Compliance Sampling Results to Benchmarks

Pollutant of Concern (units)	**Median Concentration**	**Benchmark**	**No. of Analyses**	**No. of Exceedances**	**Exceedance Frequency**
Ammonia-N (mg/L)	0.83	2.14	20	2	10%
BOD (mg/L)	32	30	20	11	55%
COD (mg/L)	110.5	120	20	9	45%
Specific Conductivity* (µmhos/cm)	211	900	20	0	0
Oil & Grease (mg/L)	1	15	20	0	0%
pH (pH unit)	6.66	6.0-9.0	20	1	5%
TSS (mg/L)	7.5	100	20	0	0%
Aluminum, Total (µg/L)	445	750	20	8	40%
Copper, Total (µg/L)	130	14	20	19	95%
Copper, Dissolved (µg/L)	73.5	14	20	19	95%
Iron, Total (µg/L)	735	1,000	20	8	40%
Lead, Total (µg/L)	5.15	82	20	0	0%
Zinc, Total (µg/L)	265	120	20	16	80%
Zinc, Dissolved (µg/L)	235	120	20	14	70%
Ethylene Glycol (mg/L)**	5	100	20	0	0%

The source identification sampling element of the program was performed during all six storm events of the FY08-09 wet season. The parking lot sites were sampled for six storms and the airport operations sites were sampled for five storms. Those source identification sites, which also double as the BMP effectiveness sites, were sampled for the complete list of pollutants of concern used in the compliance sampling component of the program. A summary of the statistics (median, maximum, and minimum values, number of samples, along with the coefficient of variance) on analytical results from all source identification samples collected for the past three seasons (2006-2007, 2007-2008, and 2008-2009), is presented in Table 8.

Table 8 Source Identification Sampling Analytical Results Summary

Pollutant of Concern	**Units**	**Median**	**Coefficient of Variance (%)**	**Maximum Value**	**Minimum Value**	**Number of Samples**
BOD	mg/L	18	75.1	84	3.5	81
COD	mg/L	45	68.4	218	10	81
SC	µmhos/cm	130	48.3	378	39	81
Oil & Grease	mg/L	1	58.0	4	0.5	81
pH	pH Units	7	7.8	8.9	5.5	81
TSS	mg/L	6	131.1	91	0.5	81
Aluminum, Total	µg/L	120	174.3	3,915	25	81
Copper, Total	µg/L	35	203.4	2,000	5.4	117
Iron, Total	µg/L	150	157.3	5,605	20	81
Lead, Total	µg/L	1	184.3	55.5	1.0	81
Zinc, Total	µg/L	98.5	411.7	21,000	14	117
Copper, Dissolved	µg/L	22	232.8	1,700	2.9	117
Zinc, Dissolved	µg/L	78	479.8	20,000	2.4	117
Ethylene Glycol	mg/L	5	56.7	29.1	5	81
Propylene Glycol	mg/L	5	110.5	58	5	81

Table 9 shows the relationships between pollutant source areas and the sampling sites. The results in Table 9 suggest that roofs are a larger source of zinc than other source areas and that the runway/ramp area is a larger source of copper. The total copper loads for the parking lots and airport operations are similar and there is no statistical difference between them. Ranking the pollutant sources from highest to lowest pollutant load, the list appears as follows: 1) for total copper - runway/ramp, roofs, airport operations, parking lots; 2) for total zinc - roofs, runway/ramp, parking lots, airport operations.

Table 9 Annual Pollutant Load Calculated for Pollutant Source Types

Source	Sampling Locations	Source Area (acres)	Pollutant of Concern	Annual Load[(a)](lbs)
Parking Lots	S-B08-1 S-B08-2 S-B09-3 S-B11-4 S-B05-5	80	Copper, Total	2.4
			Zinc, Total	11.43
			Copper, Dissolved	1.32
			Zinc, Dissolved	6.81
Roof Runoff	S-B07-6 S-B12-7 S-B08-8	40	Copper, Total	28.2
			Zinc, Total	239 (19.82)[(b)]
			Copper, Dissolved	17.8
			Zinc, Dissolved	215.2 (14.9)[(b)]
Runway/Ramps	S-B08-9 S-B03-10 S-B06-11	320	Copper, Total	317.6
			Zinc, Total	122.8
			Copper, Dissolved	252.8
			Zinc, Dissolved	108.3
Airport Operations	S-B06-12 S-B12-13 S-B08-14	90	Copper, Total	3.71
			Zinc, Total	10.16
			Copper, Dissolved	2.22
			Zinc, Dissolved	7.53

(a) Results are based on calculations using mean concentrations.
(b) Results for values in parenthesis are based on calculations using median concentrations.

The FY07-08 wet weather 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 stormwater discharges. The Authority has initiated capital improvement program (CIP) project # 104057, Stormwater Management Pilot Projects, to help identify structural BMPs that might be effective in addressing these two pollutant source areas.

The BMP effectiveness element of the wet weather monitoring program is designed as a six-year study, with the first three years dedicated to study calibration and the following three years designed to evaluate the implementation of various of BMP treatment options. FY08-09 completed the data collection for the three year calibration phase. As such, there is no reason to further discuss the BMP effectiveness element of the wet weather monitoring program in this Annual Report.

5 FOLLOW-UP AND ENFORCEMENT

Each of the IDDE incidents listed in Table 2 were resolved in the manner noted in Appendix A. Virtually all of the incidents noted in Table 2 and described in Appendix A were addressed immediately in the field at the time the incident was reported. Additionally, there were no unauthorized discharges identified as a result of the dry weather monitoring activities conducted in the 2009 dry weather season.

Whenever an illegal discharge/illicit connection 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.

6 PROGRAM REVIEW AND MODIFICATION

This Annual IDDE Report has been prepared to meet the requirements of Addendum 2 to the Municipal Permit. As such, this is the second year the results of a complete dry weather season monitoring program have been presented in a single report and the first year that they have been combined in this report with our wet weather compliance sampling in order to discuss our urban runoff monitoring efforts as a whole. Information presented throughout this report and the 2008-2009 Municipal Annual Report (particularly Chapter 11-Effectiveness Assessment Component), supports a determination that the Authority's stormwater management efforts, including the IDDE and wet weather compliance sampling components, have proven to be effective and are in general compliance with the Municipal Permit.

Appendix A

FY08-09 Illicit Discharge Detection and Elimination Report Log

FY08-09 Illicit Discharge Detection and Elimination Report Log

Subject	Date	Description
Trash-Spill Airside	7/1/2008	07:30 Flagship called to report the trash compactors in T2E, AA and T1 are full and trash is building up on the ramp. Notified Allied Waste.
Trash-Spill Airside	7/1/2008	09:05 Maintenance called to advise the pallet bin is full. Spoke with Allied Waste.
Trash-Spill Airside	7/1/2008	11:20 MX9 and Z2 retrieve 6 bags of trash on the west ramp. Briefed DL service crews regarding FOD issues.
Trash-Spill Airside	7/3/2008	08:49 Overflow water and sediment/dirt from DL HVAC unit. Contacted Ocean Blue for clean up. Observed spill on AOA near Gate 39. Contacted GAT and DL. Spill determined to be water with sediment. Advised Environmental.
Trash-Spill Airside	7/4/2008	12:58 Recovered FOD on Runway 27 reported by ATCT. ATCT advised.
Petroleum-Spill Airside	7/7/2008	16:26 Aircraft vented fuel out wing. ASIG used absorbent and brooms to clean up area. No storm drain involvement. Environmental was advised. HPD generated report.
Sewage Spill	7/7/2008	06:30 WN reports that the grease trap near G1/G2 is overflowing onto the ramp again. Host was called to respond and he reported that they well get the rooter contractor out again to blast the line which appears to be clogged. 09:00 Host reports that the rooter contractor is on site and remedying the problem. Host was instructed to clean up the dam to contain the flow when they are finished cleaning up.
Trash-Spill Landside	7/8/2008	16:47 ATO reports there is broken glass curbside on the west end of the CT.
IPM	7/11/2008	13:07 Alaska Airlines called to report a beehive on their belt loader at Gate 18. Notified Maintenance.
Petroleum-Spill Airside	7/12/2008	21:26 Z3 reports fuel spill from Express Jet on CT; Z3 responding to investigate. 21:28 Z3 on site, contacted Express Jet mechanic who reported that while troubleshooting a fuel leak from the right wing, he damaged a fuel flow control rod causing a leak.2
Petroleum-Spill Airside	7/12/2008	22:55 Landing AA Eagle exiting at Twy B-5 experienced a break failure warning while taxiing to CT ramp. Broken hydraulic line spilled fluid on hot wheel producing smoke. Smoke disspated after several minutes. Fluid soaked with absorbent.22:55 No storm drains were affected.
Petroleum-Spill Airside	7/18/2008	18:54 American airlines reports a 10-15 gallons of hydraulic fluid spill Gate 31. Notified Z2. 19:01 Z2 onsite. AA K-loader had sufffered a broken hydraulic line while offloading ULDs from a plane at Gate 31.No storm drains were affected.
IPM	7/21/2008	12:09 DL reports there is a large amount of bees inbetween Gates 37 and 38. Notified MX.
Petroleum-Spill Airside	7/23/2008	07:40 United reported a fuel spill at Gate 14. Zebra 2/3 and Maintenance responded.
Petroleum-Spill Airside	7/24/2008	18:39 ASIG reports a five gallon fuel spill at the FEDEX area. Fed Ex mechanic said that an over flow valve in the aircraft malfunctioned.Notified Zebra 2. No storm drains affected.
Petroleum-Spill Airside	7/25/2008	07:56 American reported a hydraulic spill at Gate 31. Spill was about 3-4 gallons. Z2 responded.10:10 loader was working a flight and hydraulic line blew resulting in leak on the ramp. No drains were affected. HPD was not notified due to the small size.
Petroleum-Spill Airside	7/26/2008	22:45 Fuel spill occurred at Gate 23. Mis-communication between ASIG fueler and Exec Air Mechanic while performing a manual refueling operation on the right wing of a Jetblue Airbus. Appx. 15 gallons were spilled, no drains affected.
IPM	7/30/2008	06:10 Southwest called to report a rodent in the Gates 1 and 2 area. Notified Maintenance.
Trash-Spill Airside	7/30/2008	15:02 Flagship reports the trash comapctor near AA is full. Contacted Allied Waste. They will have someone out tomorrow. Notified Z2 and Flagship.12:10 Flagship called to report that the compactor at American Airlines, T2E is overflowing or out of service.
Trash-Spill Airside	8/1/2008	07:10 Southwest called to report that the trash comapctor by Gates 1 and 2 is full. Notified Allied Waste.
IPM	8/3/2008	12:24 ATO reports there is a dead rat curbside T1 near the Valet Parking area. Notified Maintenance.
Trash-Spill Airside	8/3/2008	10:54 Contacted GAT to have trash by stairs from terminal between Gates 37 and 38 on the back of DL provisioning truck and on the back of their lav truck properly stored and disposed of.
Trash-Spill Landside	8/3/2008	12:32 ATO reports there is water coming from an inset water valve curbside UA near one of the handicap ramps. Notified Maintenance.
Trash-Spill Landside	8/4/2008	10:26 ATO reports someone ran over a bottle of shaving cream curbside AA check-in. Advised Flagship.
Improper Storage	8/5/2008	2 tvs, 1 used oil drum without secondary containment and past disposal date, and one hydraulic fluid can without secondary containment were all improperly stored by where the DHL plane parks.
Petroleum-Spill Airside	8/5/2008	Generator at runway light generator house had a drip pan underneath it. Container was very full and needed to be properly disposed of.
Trash-Spill Airside	8/5/2008	Rubber removal disposal dumpster had stains around it on the ground and on the walls of the ramp.
Trash-Spill Airside	8/5/2008	United yard area (on Winship Lane) had water leaving yard and crossing the street toward the storm drain. Employee said is was just water from washing down a piece of equipment.
Trash-Spill Airside	8/5/2008	Trash compactor by United Cargo Area had a spill of trash in front of it (mostly cigarette butts).
Trash-Spill Airside	8/5/2008	T2 connector area was looking moderately messy with some trash on the ground.
Trash-Spill Airside	8/5/2008	07:30 HMS Host called to report the trash compactor in T2W is OTS. Notified Allied Waste.
Trash-Spill Landside	8/6/2008	ATO Supervisor called to report a large water spill curbside by the mail box. Notified Victor at Flagship.
Trash-Spill Landside	8/11/2008	06:51 Notified by Environmental of water main leak in the SAN Park Harbor Drive parking lot. Lindbergh Parking had been notified and will barricade the area off. Environmental has notified the City of the water leak.
Construction Maintenance	8/12/2008	Broken sandbags near Gate 3 (Southwest)
Improper Storage	8/12/2008	Red storage cart without lid (American Eagle)
Improper Storage	8/12/2008	Lavatory trucks have open bucket on the back of truck (Express Jet)
Improper Storage	8/12/2008	Both closed and open paint containers without secondary containment near Gate 3 (open containers from contractor?) (Southwest)
Improper Storage	8/12/2008	Open box of material near Gate 2 without secondary containment (Southwest)
Improper Storage	8/12/2008	GAT truck in cargo area needs drip pans (Delta)
Improper Storage	8/12/2008	Near Gate 17, there are both Timco turbo oil containers left out, as well as a bucket containing an oily substance (United)
Improper Storage	8/12/2008	Drip pan under chemical dispenser near Gate 11 is full (United)
Trash-Spill Airside	8/12/2008	Dry absorbent needs to be swept (American Airlines, Gate 32)
Trash-Spill Airside	8/12/2008	Absorbent under fueler truck and under other equipment, need better sweeping of absorbent (ASIG)
Trash-Spill Airside	8/12/2008	Grease trap has staining around it, T2 connector needs to be swept (HMS Host)
Trash-Spill Airside	8/12/2008	Trash spill, residue and staining after Gate 10 (Southwest)
Trash-Spill Airside	8/12/2008	Dry absorbent, debris and staining on pavement in cargo area (United)
Trash-Spill Airside	8/12/2008	Trash can with no lid near Gate 13 (United)
Trash-Spill Landside	8/15/2008	Accumulated debris along the fence line in the (Old Post Office Building Parking Lot)
Sewage/Triturator Spill	8/15/2008	Toilet paper debris around (Triturator)
Improper Storage	8/20/2008	open oil cans left on the back of an exec air truck
Improper Storage	8/20/2008	Lubricating oil cans and equipment left out next to Fedex office trailer
Trash-Spill Airside	8/22/2008	WN reports the portable restrooms at Gate 3 are leaking onto the ramp. Notified Plumber and Zebra 2.
Trash-Spill Airside	8/25/2008	Southwest called to report a lot of trash thrown by the wall near the cargo building next to the valet parking lot. Requested maintenance place a trash receptacle in the area.
Petroleum-Spill Airside	8/26/2008	Terminal 1 Flagship employee reported a hydraulic leak at the trash compactors near SWA. Reported leak to Allied Waste for repair first thing in the morning. Maintenance to clean-up leak.
Improper Storage	8/27/2008	Plastic debris on GSE. Used oil in open container left on GSE.
Trash-Spill Landside	8/27/2008	ATO Lead reports the trash can is full curbside near the crosswalk in T2. Notified Flagship.
Trash-Spill Airside	8/29/2008	trash and debris (gloves, water bottles, toilet deodorizer bottles) along blast fence and on top of the storm drain across from the triturator.
Trash-Spill Airside	8/29/2008	trash accumulated outside trash compactors and on top of sump grate
Sewage Spill	9/2/2008	3:00 A lav juice spill was reported between gates 11 & 12. United operations said it was overflow from a tank being filled with blue water. Air Serv cleaned up the area with absorbent. No storm drains were affected. Environmental was notified.
Trash-Spill Airside	9/2/2008	Pallet dumpster by cargo area is open and full
Trash-Spill Airside	9/6/2008	8:19 It was reported that there are bags of trash under jetway 20 that belong to US. Contacted US to remove the trash.
Trash-Spill Airside	9/15/2008	6:36 TSA reports there is a pipe that is leaking ramp side baggage claim 6. Notified Plumber 1.
Sewage/Triturator Spill	9/16/2008	8:00 Southwest called to report the water coupling at the trituator is broken. Notified Maintenance.
Petroleum-Spill Airside	9/17/2008	12:30 ELS emailed environmental about some oil that is leaking onto the ramp near G26. An ATS conveyor belt had a quart of oil on the ramp coming from the engine block. Supervisor was contacted and will clean up the spill.
Improper Storage	9/19/2008	Drums for rubber removal were stored on the north side of the runway at the west end. Not all drums had spill pallets.
Trash-Spill Airside	9/19/2008	Area by gate 28 where ATS baggage carts are stored is covered with trash and debris under the carts

FY08-09 Illicit Discharge Detection and Elimination Report Log

Subject	Date	Description
Trash-Spill Airside	9/19/2008	a lot of trash has accumulated in the area behind blast fence across from the triturator. Trash has also accumulated on top of the storm drain in that area.
Petroleum-Spill Landside	9/20/2008	10:46 ATO reports there is a puddle of oil curbside T1 near the Red Bus stop. Advised MX.
Improper Storage	9/23/2008	UA mechanic shop area improper storage of drums of honey bee deorant
Sewage/Triturator Spill	9/29/2008	1:19 Received a report that the handle is broken for the water at the triturator. Notified Plumber 1.
Improper Storage	10/3/2008	Supplies stored on the west side of the air traffic control tower without adequate cover/containment.
Trash-Spill Airside	10/4/2008	8:10 Flagship called to report that the compactor in Tl 1 is not working because the door is broken.MX check on the compactor.The door has fallen off and needs to be welded. 9:55 Waste Management called to report that the compactor has been replaced.
Improper Storage	10/14/2008	IAS - Drip pan with used dry absorbent left out
Improper Storage	10/14/2008	Southwest at Gate 3 poor housekeeping and improper storage of broken sandbags, fluorescent lights, and boxes of oil
Improper Storage	10/14/2008	New Gate 1A SW hydraulic oil drum by construction site without secondary containment
Trash-Spill Airside	10/14/2008	Host - Grease trap door left open, debris and staining on ground
Trash-Spill Airside	10/14/2008	Southwest end of gate 5 blue juice staining
Petroleum-Spill Airside	10/23/2008	WN reported a hydraulic spill from the recycling trash bin, T1. The hose popped out and is leaking hydraulic fuel. 1310: Maintenance connected the hose back in place and cleaned area. Contacted WM to test the level of hydraulic fluid.
Improper Storage	10/24/2008	Cyclone materials left on airside no labels on drums and improper storage.
Improper Storage	10/24/2008	Southwest Airlines improper storage of lavatory cleaner containers, fluorescent lights need proper disposal. Broken sand bags at Gate 3.
Trash-Spill Airside	10/27/2008	HMS Host T2 Connector dumpster area evidence of spills and debris. The area is due for a power wash.
Petroleum-Spill Airside	10/30/2008	7:20 Zebra 2 noticed an ASIG fuel truck on north ramp had a fuel spill.ASIG supervisor speculated that a valve on the truck did not fully close druing refueling of a DL aircraft; resulting in the fuel spill. Unkown amount of fuel entered the slit trench.
Trash-Spill Airside	10/30/2008	Trash and debris were on the ground around the dumpster in the "bone yard" area.
Petroleum-Spill Airside	11/4/2008	12:42 UAL called to report a slight fuel leak from a DGS Tug located near Gate 16. DGS Tug has a slight leak with a drip pan underneath the fuel line.The drip pan appears to be full of water and diesel fuel.DGS will dispose of the drip pan and repair tug.
Trash-Spill Airside	11/7/2008	Observed grease tracks and spills near the grease trap area at the T2 connector it also had a very strong odor.
Construction Maintenance	11/12/2008	Large pile of plastic/trash was left by new gate 1A
Improper Storage	11/12/2008	2 drip pans with soiled kitty litter were left out north side of runway by vehicle gate P-04B
Sewage Spill	11/13/2008	11:13 A sewage coming out of winglet bldg was reported. Environmental was advised. Ocean Blue will provide clean up.
Trash-Spill Landside	11/14/2008	11:40 ATO called to report the curb area at T2E needs to be cleaned and the ash trays emptied. Notified Flagship.
Improper Storage	11/18/2008	In the Landmark operations area drip pans were being used but there were still stains around them. Drums without secondary containment. Compressed gas tank not stored properly.
Improper Storage	11/18/2008	Used oil containers on top of Executive Air GSE truck and oil spills on truck (in capital cargo area near plane)
Improper Storage	11/18/2008	observed a compressed gas tank stored in an unusual way at the ARFF station
Petroleum-Spill Airside	11/18/2008	In the DHL/airborne express operations area fresh oil stains and absorbent left out on an oil stain.
Trash-Spill Airside	11/18/2008	debris and trash surrounding the "bone yard" dumpster
Trash-Spill Airside	11/18/2008	observed trash and debris scattered in the United maintenance shop area
Petroleum-Spill Airside	11/21/2008	oil staining and fresh oil on ramp between US Air gates 34 and 35. Supply carts with cleaning products and oil on back also observed in this area.
Petroleum-Spill Airside	11/21/2008	At Delta Gate39 there was fresh oil staining and evidence of leftover absorbent from a previous oil spill.
Sewage Spill	11/21/2008	In the American Airlines operations area environmental affairs staff observed blue juice leaking from the plane while the plane was hooked up to lav waste truck. Blue juice staining was also observed on the ramp near gate 27.
Trash-Spill Airside	11/21/2008	staining and evidence of blue juice leaks at southwest gates
Trash-Spill Airside	11/21/2008	HMS Host - staining by grease trap on ground and by trash containers (gates 10 and 11)
Trash-Spill Airside	11/21/2008	United Airlines - by gate 12 Airserve has a hand washing station. The water bin contains degreaser, is not in a secure place, and is overflowing.
Trash-Spill Airside	11/21/2008	DAL Global - Trash cart dripping between gates 25 and 23 (american airline gates)
Trash-Spill Airside	11/24/2008	Staining/material all over ground and ramp by rubber removal dumpster (laocated next to air traffic control tower)
Trash-Spill Landside	11/24/2008	10:29 ATO Paging reports there is anti-freeze curbside T1 near WN check-in. Notified MX.
Trash-Spill Airside	12/5/2008	Observed oil, trash, and lavatory chemical spills at SWA Gate 4.
Sewage/Triturator Spill	12/5/2008	Toilet paper trail at trituator entrance. Notified Ocean Blue to clean up.
Sewage Spill	12/11/2008	12:35 Valet Services called to report a sewer leak under the Quiter Home Building. Notified MX. Environmental contacted Ocean Blue.1:05 The QHP has an overfilled lav tank.
Petroleum-Spill Airside	12/12/2008	fresh oil on ramp at United gate 12
Trash-Spill Airside	12/12/2008	trash compactor area between commuter terminal and terminal 1 needs to be cleaned up. Large debris and grime around dumpsters.
Trash-Spill Airside	12/12/2008	on 12/12/08 by US Air gate 33 - an emergency eye washing station was being used for hand washing. A significant amount of water had run onto the ramp area and a bottle of hand soap was observed there. Same situation was observed again on 1/7/09.
Sewage/Triturator Spill	12/23/2008	11:25 am - Trail of toilet paper debris was observed on the exit end of the triturator
Petroleum-Spill Airside	1/2/2009	2 generators located by the runway lighting vault were observed with stains from leaking beneath them. Generators need drip pans.
Trash-Spill Airside	1/5/2009	At southwest gate 4 a large spill of what appeared to be milk was observed
Trash-Spill Airside	1/5/2009	trash compactor area was looking messy. Pallets, plastic bins, and drums were left out there.
Sewage/Triturator Spill	1/6/2009	12:27 Requested Maintenance response to the triturator following a call from DGS who started the chain to activate the water was broken.
Petroleum-Spill Airside	1/13/2009	10:00 Delta evidence of oil stains and absorbent at Gate 40.
Trash-Spill Airside	1/13/2009	Trash and debris outside the dumpster located in the bone yard area
Sewage/Triturator Spill	1/16/2009	14:00 Trituator evidence of toilet paper runoff
Trash-Spill Airside	1/23/2009	Observed accumulated trash and grime along the left side of trash compactor area. Chairs and pallets were also left out in this area.
Trash-Spill Airside	1/26/2009	United Operations reported a bucket full of primer fell off top of jetway 15 and clean-up needed. Notified ELS.
Improper Storage	1/28/2009	a soiled drip pan was left out when not in use by Landmark Aviation.
Petroleum-Spill Airside	1/28/2009	Many puddles of an oily substance were observed along the lead in line at gate 22 at 4:12pm. One area had some absorbent on it but the other areas were not addressed.
Trash-Spill Airside	1/28/2009	trash and bottles have accumulated on top of the storm drain that is located across from the triturator, behind the blast fence.
IPM	2/2/2009	21:18 Cramer's reported they trapped a rat and it's in a trash bag and container. They requested pick-up. Notified MX1.
Trash-Spill Landside	2/2/2009	20:14 SOC reported a broken sprinkler at the main gate for TDY. Notified MX.
Sewage/Triturator Spill	2/2/2009	8:18 Acu Fleet reported the triturator drain was plugged. Notified Plumber 2.
IPM	2/4/2009	5:51 am MX and Flagship dispatched to T2W curbside for a rat skycaps had captured in a trash can.
IPM	2/4/2009	6:10 am ATO reported a dead bird curbside near the crosswalk in T2. Flagship advised.
Trash-Spill Landside	2/10/2009	12:29 pm ATO reported anti-freeze spill curbside T2 baggage claim. Notified MX-1
Trash-Spill Airside	2/13/2009	A lot of small trash has accumulated throughout the bone yard and adjacent dumpster area. Large debris are around the dumpsters.
Trash-Spill Airside	2/14/2009	9:47 am Flagship reports the dumpster near gate 23 is full. She was advised to use the others near the East ramp.
Trash-Spill Airside	2/14/2009	12:29 am Flagship reported that the Host loading dock trash compactor is not working; contractor has been notified and will respond.
Trash-Spill Airside	2/19/2009	12:47 pm Flagship reports the trash compactor by AA is OTS. Contacted Waste Management.
Construction Maintenance	2/20/2009	Trash has accumulated by gate 1A. Debris in this area needs to be properly disposed of.
Petroleum-Spill Airside	2/21/2009	7:57 am ASIG reports a fuel spill at Gate 26 and the fuel is leaking from the aircraft. Zebra 2 & ARFF were notified. At 8:08, Zebra 2 estimated it was a 5-gallon spill.
Improper Storage	2/23/2009	Alaska Air - FOD trash can without a lid at Gate 16 and a trash can without a lid by gate 18
Improper Storage	2/23/2009	ELS - buckets of roof coating solution were stored without secondary containment at Gate 15
Trash-Spill Airside	2/23/2009	HMS Host - trash overflowing from trash containers by gate 1

FY08-09 Illicit Discharge Detection and Elimination Report Log

Subject	Date	Description
Trash-Spill Airside	2/23/2009	SDCRAA - some lose trash has accumulated in the bone yard area
IPM	2/24/2009	11:00 Aztec reported a snake in the planters by the flagpole. MX and Z3 responded and removed the snake for Epic/Contractor to pick up.
Trash-Spill Airside	2/24/2009	12:30 Flagship reported the dumpsters near AA is overflowing and trash is outside the dumpster. Notified Zebra 2 and contacted Waste Management.
Trash-Spill Airside	2/24/2009	15:29 Flagship reported trash compactor by AA is full. Notified Waste Management Account Rep.
Trash-Spill Landside	2/25/2009	10:04 Airport 10 reported UPS dumpsters are overflowing. Dumpsters on public side of airport. Contacted Waste Management.
Improper Storage	2/26/2009	9:56am Empty US Air trash carts were tiped over and liquid was leaking from them. Motor oil and other supply bottles need better secondary containment (btw gates 33-36). They are currently just stored under the stairs.
Improper Storage	2/26/2009	9:15am - Executive Air - Drums were observed being stored outside without secondary containment. Spoke with employee onsite and drums were immediately relocated.
Petroleum-Spill Airside	2/26/2009	7:04 Tower reported UAL-737-300, leaking fuel while taxing. 7:10 Aircraft returned to gate and deplaned. 7:11 DAO briefed. 7:15 Zebra 2 cancelled alert. 7:16 Zebra 2 closed Twy B between B5 and B6 for clean-up. Spill is approx. 5-10 gallons of hydraulic fluid.
Trash-Spill Airside	2/26/2009	9:22AM Coolant spilled in Delta yard area during maintenance activities. It was reported to employees to clean up immediately.
Trash-Spill Airside	2/26/2009	9:42AM Northwest Airlines - no lids on several trashcans between gates 24 and 26.
Petroleum-Spill Airside	2/27/2009	19:15 Flagship adviced that the recycle compactor in T2W is not working. MX notified.
Construction Maintenance	3/3/2009	11:05 am Runoff from US Post Office demolition project entering storm drains on Winship Lane.
Trash-Spill Landside	3/3/2009	10:30 am Cigarette butt litter in planters at T2E transportation islands.
Petroleum-Spill Airside	3/10/2009	10:30 ELS reported Diesel Spill at Gate 22. Met ELS employee's working on the jet bridge at Gate 22, no aircraft parked at gate. Spill location on the lead-in line for Gate 22. Spill less than 1-gallon. Contacted ATS manager. ATS determined that it wasn't
IPM	3/11/2009	14:00 US Airways reported flies and other insects in their ops office underneath Gate 36. MX1 notified.
Trash-Spill Airside	3/11/2009	10:10 TOC reported dumpster in WN cargo area is full. Contacted Waste Management.
Petroleum-Spill Airside	3/12/2009	2:35pm Generators by runway lighting vault are leaking and drip pans do not appear big enough to catch all the leaks. Stains are forming around the drip pans.
Trash-Spill Airside	3/12/2009	1:40pm Area that used to be occupied by UPS, in front of the commuter terminal, has some larged stains.
Trash-Spill Airside	3/12/2009	2:15pm a trash can was open and knocked over in the capital cargo operational area.
Trash-Spill Airside	3/12/2009	2:15pm - Capital Cargo - Trash can had been tiped over and was open in the capital cargo area
Trash-Spill Landside	3/12/2009	9:36 ATO reported vomit curbside WN check-in. Notified Flagship.
Petroleum-Spill Landside	3/13/2009	10:30 SOC requested clean-up at T1 curbside, in front of Bag claims 1, 2, & 3 for antifreeze. Contacted FMD Main line/ x2725. M1 responded.
Trash-Spill Landside	3/17/2009	10:20 ATO requested clean-up for broken glass under T2 ped bridge and by Delta curbside. Flagship responded.
Improper Storage	3/20/2009	1:35am - Landmark Aviation - Drip pan was left out when it was not in use.
IPM	3/20/2009	13:27 WN reported a swarm of bees at loading dridge 8; Mx notified. 13:33 Mx reported that they checked the area and have not found the swarm.
Petroleum-Spill Airside	3/20/2009	2:25pm - @ Delta gates 38 through 40 there were multiple oilly spill areas, many fresh stains, and the substance had been tracked all over the area by vehicles or carts. There was some evidence that some absorbent had been used but was not sufficient.
IPM	3/26/2009	14:25 Delta Ops reported a swarm of bees at gate 38. Notified Maintenance.
IPM	3/26/2009	14:53 GAT reported a swarm of bees clustering on a tow bar located at gate 38. Notified MX1. Contractor is en-route to take care of bees.
Trash-Spill Landside	3/26/2009	11:54 ATO reported a spill curbside at the CT. Notified Flagship.
Trash-Spill Landside	3/27/2009	5:50 Zebra 2 advised of a vehicle on fire in Lot 8. HPD and SDFD en route. ATO Lead/TSA Ops advised. Left message for DAO. 6:00 Fire out and did not affect other vehicles. MPR, DLO, VPD, LPI advised.
Trash-Spill Airside	3/29/2009	11:01 Zebra 2 advised the trash compactor T2 in OTS and notified Waste Management.
Improper Storage	4/3/2009	1:30pm Allied Aviation - Need to provide secondary containment for fuel cart(s) and stored chemicals (e.g. put on a pallet), and provide cover for material storage area. Also, before fire hydrant testing, sweep/clean surfaces and/or berm storm drains to prevent runoff.
Petroleum-Spill Landside	4/6/2009	11:28 ATO reported a good size radiator fluid spill curbside WN check-in area. MX notified.
Improper Storage	4/8/2009	10:30am Aeromexico - Need to repair or perform maintenance on the Swissport truck, which is currently used as material storage, to ensure that there are no leaking fluids, and perform regular inspections to ensure there are no leaks.
Improper Storage	4/10/2009	10:00am ATI - One of the trash cans was full and did not have a cover. Properly dispose of trash, ensure that trash cans are emptied regularly and add a cover/lid.Also, there is a stockpile of metal bars on a wooden pallet outdoors. Remove/dispose of them.
IPM	4/10/2009	10:50 Swarm of bees at the base of escalators at T2W parking lot reported. Bee hive in nearby palm tree. FMD notified. 12:03 Bee contractor on site and contained site using caution tape.
Improper Storage	4/13/2009	10:30am United -1) Container used to add "blue juice" to lavatory service trucks outside the maintenance shop is leaking/dripping. 2) The haz. waste accumulation area outside the maintenance shop is not fully covered.3) A battery without secondary containment.
Improper Storage	4/14/2009	9:00am Landmark -The waste/used oil tank is not sufficiently covered. Need to provide extended cover so that rain cannot contact the tank.
Improper Storage	4/16/2009	9:00am US Air - 1) Some hazardous waste and waste oil storage drums were not properly labeled. 2) Need to provide timely disposal of accumulated hazardous waste to prevent overflow of waste, and keep waste containers covered. 3) Evidence of spills/leaks
IPM	4/18/2009	12:37 AA reported swarm of bees between gates 25 & 27. MX notified. MX advised Aztec will be on site in approx. two hours. Zebra units advised. 15:10 Beekeeper on-site.
Improper Storage	4/20/2009	1:30pm HMS Host -need secondary containment for the three (3) 250-gallon grease containers (one is located at Terminal 1 behind Chili's; one is by T2 connector; and one is outside the HMS Host maintenance shop by gate 25).
Trash-Spill Airside	4/28/2009	10:00am ARFF - 1) Damaged sand bags next to the storm drain behind ARFF building need to be replaced. 2) Dumpsters should be moved away from the storm drain in order to prevent accidental leaks from reaching the storm drain.
Improper Storage	4/29/2009	9:00am FedEx - Covers for EDCO dumpsters were open. Lids should be kept closed at all times, except for when trash disposal is taking place.
Petroleum-Spill Airside	5/11/2009	19:10 Southwest aircraft at Gate 5 leaking hydraulic fluid on right main, producing smoke, smoke dissipated upon Z-2 arrivals, less than 1 qt fluiud leaked on ground; WN cleaning up with Quicksorb, no fluid in drains, no ARFF response required.
Trash-Spill Airside	5/12/2009	9:31 HMSHOST reported clogged drains near trash compactors at T2W Loading Dock. Plumber notified.
Improper Storage	5/15/2009	10:04 am ELS - Outdoor trash cans did not all have lids and waste/waste oil storage drums were not properly labeled.
Trash-Spill Airside	5/20/2009	20:52 Southwest staff reported Northwest spilled a container of pamphlets at Gate 5, East Ramp area. Zebra 2 on-site.
Trash-Spill Airside	5/20/2009	20:52 Tower reported FOD near Gate 5 as reported to Tower by SWA pilot. FOD was 1"X1" coupons covering the ramp area. An airport employee reported that he saw the coupons fall off a NWA bag cart. SWA Operations notified.
Trash-Spill Airside	5/21/2009	16:01 Removed FOD from WN ramp as reported by a passing aircraft. Also removed FOD from T-2-W alleyway.
IPM	5/23/2009	11:13 LPI reported a swarm of bees by the escalators in the parking lot on the west side of T2. Mx notified.
Trash-Spill Landside	5/23/2009	11:15 LPI requested that trash cans be emptied on the transportation island of T2. Flagship notified.
Trash-Spill Landside	5/31/2009	10:15 ATO reported a broken wine bottle curbside at Southwest. Flagship notified.
Trash-Spill Airside	6/6/2009	11:10 Southwest called to report the compactor is not working by E4. Requested maintenance respond. Per Maintenance, Waste Management needs to be contacted. Notified Waste Management.
IPM	6/7/2009	11:56 GS-1 gate called to advise she has a swarm of bees circling her area. Notified MX.
IPM	6/18/2009	3:56 ATO reports there is a swarm of bees on the T2 transportation Island. Notified MX-1.
Sewage/Triturator Spill	6/26/2009	10:17 Per request from Z-2, contacted Ocean Blue and requested their assistance with a 20-30 gal lavatory spill by US Airways at the triturator. There spill did not enter any of the storm drains but did flow to the perimeter fence. 2230--Left a message with EAD regarding the incident. 2220- Discovered 20-30 gal lavatory spill at triturator; US Air lavatory agent stated the coupling came off as he was dumping the truck, spilling the truck contents outside the triturator building drain containment (he was staring at the flow when I arrived); advised agent to move the truck forward in the building to contain more of the spill and begin clean-up; contacted US Ops for additional assistance; Requested Z-3 contact Ocean Blue and Environmental; spill migrated to localizer building, across perimeter road and under the perimeter fence; no drains in the area; spill was contained between the fences and did not reach the Solar parking lot.
Trash-Spill Landside	6/27/2009	10:03 T1 ATO reports a trash can overflowing at the Alaska Airlines (AS) Curbside Check-in. Notified Flagship.
Trash-Spill Landside	6/29/2009	4:50 MX-5 reports the trash can is overflowing curbside CO check-in. Notified Flagship.

Appendix B

2009 Dry Weather Monitoring Field Data Sheets, Trash Assessment Forms and Lab Reports

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB01-1	**Latitude**	32.73257	**Watershed**	**Hydrologic Unit**	908
Location	Catch basin near DHL area	**Longitude**	-117.17969		**Hydrologic Area**	908.2
Date	5/27/2009	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	908.21
Time	8:06	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	☐ Residential	☐ Commercial	x Industrial	☐ Agricultural	☐ Parks	☐ Open
Land Use (Secondary) (Optional, greater than 10%)	☐ Residential	☐ Commercial	x Industrial	☐ Agricultural	☐ Parks	☐ Open
Conveyance (Check one only)	☐ Manhole	x Catch Basin	☐ Outlet	☐ Concrete Channel	☐ Natural Creek	☐ Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	☐ Sunny	☐ Partly Cloudy	x Overcast	☐ Fog		
Tide	☐ N/A	☐ Low	x Incoming	☐ High	☐ Outgoing	**Tide Height:__-1.4____**ft.
Last Rain	X > 72 hours	☐ < 72 hours				
Rainfall	X None	☐ < 0.1"	☐ > 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	☐ Musty	☐ Rotten Eggs	☐ Chemical	☐ Sewage	☐ Other	
Color	☐ None	x Yellow	☐ Brown	☐ White	☐ Gray	☐ Other	
Clarity	☐ Clear		x Slightly Cloudy	☐ Opaque		☐ Other	
Floatables	☐ None	☐ Trash	☐ Bubbles/Foam	☐ Sheen	☐ Fecal Matter	x Other	**Organics**
Deposits	X None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other	
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other	
Biology	x None	☐ Insects	☐ Algae	☐ Snails/Fish	☐ Mussels/Barnacles	☐ Other	

Flow Observed ☐Yes ☐ No x Ponded ☐ Tidal

Does the storm drain flow reach the Receiving Water? ☐ Yes x No ☐ N/A

Evidence of Overland Flow? ☐ Yes x No ☐ Irrigation Runoff ☐ Other: _____

Photo Taken **x** Yes ☐ No **Photo #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	21	**NH3-N** (mg/L)	**.6**	**NO3-N** (mg/L)	0	**React PO4** (mg/L)	**.6**
pH (pH units)	7.3	**TURB** (NTU)	**7.55**	**COND** (mS/cm)	.588	**MBAS** (mg/L)	**.75**

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		Ft
Depth		Ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? ☐ **Yes** ☐ **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (*u*g/L)		**Pb** (*u*g/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (*u*g/L)		**Cd** (*u*g/L)		**Zn** (*u*g/L)	

COMMENTS: _____

_____

_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB03-2	**Latitude**	32.72864	**Watershed**	**Hydrologic Unit**	908
Location	East End of runway near blast fence	**Longitude**	-117.17843		**Hydrologic Area**	908.2
Date	5/27/2009	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	908.21
Time	0846	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	Low	x Incoming	High	Outgoing	**Tide Height:** -1.4 ft.
Last Rain	> 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	seawater
Color	None	Yellow	Brown	White	Gray	x Other	seawater
Clarity	x Clear		Slightly Cloudy	Opaque		Other	
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes No Ponded 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 #** _____

Field Screening Samples Collected? Yes No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Salinity greater than 3% indicates seawater in basin.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

Routine Investigation **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB05-3	**Latitude**	32.73782	**Watershed**	**Hydrologic Unit**	908
Location	Rental car parking area	**Longitude**	-117.18311		**Hydrologic Area**	908.2
Date	5/26/2009	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	908.21
Time	10:40	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	Low	X Incoming	High	Outgoing	**Tide Height:** _-1.4_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	Other	
Color	None	x Yellow	Brown	White	Gray	Other	
Clarity	Clear		x Slightly Cloudy	Opaque		Other	
Floatables	None	Trash	Bubbles/Foam	Sheen	Fecal Matter	x Other	**Organic**
Deposits	None	x Sediment/Gravel	x Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes No x N/A

Evidence of Overland Flow? Yes No Irrigation Runoff x Other: Parking lot uses water for dust control.

Photo Taken x Yes No **Photo #** _____

Field Screening Samples Collected? x Yes No

Water Temp (°C)	22	**NH3-N** (mg/L)	.6	**NO3-N** (mg/L)	0	**React PO4** (mg/L)	.5
pH (pH units)	7.1	**TURB** (NTU)	2.2	**COND** (mS/cm)	5.01	**MBAS** (mg/L)	.75

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

Routine Investigation **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB05-4	**Latitude**	32.73063	**Watershed**	**Hydrologic Unit**	908
Location	By runway light vaults	**Longitude**	-117.18301		**Hydrologic Area**	908.2
Date	5/26/2009	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	908.21
Time	0855	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:-1.4**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	x Other	**Seawater**
Color	x None	Yellow	Brown	White	Gray	x Other	**Seawater**
Clarity	Clear		Slightly Cloudy	Opaque		Other	
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes x No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Water in catch basin has salinity above 4%_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

Routine Investigation **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB06-5	**Latitude**	32.73584	**Watershed**	**Hydrologic Unit**	908
Location	East of control tower	**Longitude**	-117.18637		**Hydrologic Area**	908.2
Date	5/27/09	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	908.21
Time	0750	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	Overcast	Fog		
Tide	N/A	Low	Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	> 72 hours	< 72 hours				
Rainfall	None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	**Dry**
Color	None	Yellow	Brown	White	Gray	x Other	**Dry**
Clarity	Clear		Slightly Cloudy	Opaque		x Other	**Dry**
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	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB07-6	**Latitude**	32.73085	**Watershed**	**Hydrologic Unit**	908
Location	OWS @ AA Staging area	**Longitude**	-117.19323		**Hydrologic Area**	908.2
Date	5/27/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0732	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	x Manhole	Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	Incoming	High	Outgoing	**Tide Height:** -1.4 ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	x Musty	Rotten Eggs	Chemical	Sewage	Other	
Color	None	Yellow	Brown	White	Gray	x Other	**Moist**
Clarity	Clear		Slightly Cloudy	Opaque		x Other	**moist**
Floatables	None	Trash	Bubbles/Foam	x Sheen	Fecal Matter	Other	
Deposits	None	x Sediment/Gravel	x Fine Particulates	Stains	x Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes x No N/A

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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** x **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Moist area but not enough to sample, not ponded.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	Cb07-7	**Latitude**	32.73000	**Watershed**	**Hydrologic Unit**	908
Location	Inlet in West wing parking lot	**Longitude**	-117.19390		**Hydrologic Area**	908.2
Date	5/27/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0630	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	Catch Basin	Outlet	x Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	Incoming	High	Outgoing	**Tide Height:** -1.4 ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	Dry
Color	None	Yellow	Brown	White	Gray	x Other	Dry
Clarity	Clear		Slightly Cloudy	Opaque		x Other	Dry
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	None	x Sediment/Gravel	x Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	None	x Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** x **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Dry

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB08-8	**Latitude**	32.73368	**Watershed**	**Hydrologic Unit**	908
Location	Terminal 1 slit trench gate 9	**Longitude**	-117.19673		**Hydrologic Area**	908.2
Date	5/27/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0918	**Observer**	KG, Ah		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	Other _____
Color	None	x Yellow	x Brown	White	Gray	Other _____
Clarity	Clear		x Slightly Cloudy	Opaque		Other _____
Floatables	None	x Trash	Bubbles/Foam	Sheen	Fecal Matter	Other
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other
Vegetation	x None	Limited	Normal	Excessive		Other _____
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other _____

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes x No N/A

Evidence of Overland Flow? Yes x No Irrigation Runoff Other: _____

Photo Taken x Yes No **Photo #** _____

Field Screening Samples Collected? x Yes No

Water Temp (°C)	20.9	**NH3-N** (mg/L)	>1	**NO3-N** (mg/L)	<.25	**React PO4** (mg/L)	1
pH (pH units)	7.42	**TURB** (NTU)	11.6	**COND** (mS/cm)	4.04	**MBAS** (mg/L)	1+

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

Analytical Laboratory Samples Collected? x Yes No

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: due to color of water (yellow/brown) field test kits had unclear results. Lab sample was taken

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

Routine Investigation **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB12-9	**Latitude**	32.73516	**Watershed**	**Hydrologic Unit**	908
Location	Inlet at T-2 West	**Longitude**	-117.20444		**Hydrologic Area**	908.2
Date	5/27/09	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	908.21
Time	0711	**Observer**	KG, Ah		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:** -1.4 ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	Seawater
Color	None	Yellow	Brown	White	Gray	x Other	Seawater
Clarity	Clear		Slightly Cloudy	Opaque		x Other	Seawater
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	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes No Ponded X Tidal

Does the storm drain flow reach the Receiving Water? Yes No N/A

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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** X No

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (µg/L)		**Pb** (µg/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (µg/L)		**Cd** (µg/L)		**Zn** (µg/L)	

COMMENTS: Some pooled water in catch basin Salinity=4.5% _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

Routine Investigation **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB09-10	**Latitude**	32.72993	**Watershed**	**Hydrologic Unit**	908
Location	Inlet at T-2 West	**Longitude**	-117.19748		**Hydrologic Area**	908.2
Date	5/27/09	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0648	**Observer**	KG, Ah		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:** -1.4 ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	Dry
Color	None	Yellow	Brown	White	Gray	x Other	Dry
Clarity	Clear		Slightly Cloudy	Opaque		x Other	Dry
Floatables	X None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	x None	X Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	X None	Limited	Normal	Excessive		Other	
Biology	X None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes No N/A

Evidence of Overland Flow? Yes No x 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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** X No

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Dry_____

2009 Trash Assessment Form

SITE ID: CB01-1 **DATE:** 5/27/2009

LOCATION: WEST OF LANDMARK **TIME:** 0806

OBSERVER: KRIS GREEN/ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB03-2 **DATE:** 5/27/2009

LOCATION: EAST END OF RUNWAY **TIME:** 0846

OBSERVER: KRIS GREEN/ ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20x20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB05-3 **DATE:** 5/27/2009

LOCATION: RENTAL CAR PARKING LOT **TIME:** 1040

OBSERVER: KRIS GREEN/ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20x20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ **Suboptimal**	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ **Marginal**	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ **Submarginal**	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ **Poor**	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ **Potential Threat to Human Health**	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ **Potential Threat to Aquatic Health**	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB05-4 **DATE:** 5/27/2009

LOCATION: BY RUNWAY LIGHT VAULT **TIME:** 0855

OBSERVER: KRIS GREEN, ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L X W (FT): 20x20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB06-5 **DATE:** 5/27/2009

LOCATION: EAST OF CONTROL TOWER **TIME:** 0750

OBSERVER: KRIS GREEN/ ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20x20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ **Suboptimal**	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ **Marginal**	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ **Submarginal**	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ **Poor**	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ **Potential Threat to Human Health**	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ **Potential Threat to Aquatic Health**	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB07-6 **DATE:** 5/27/2009

LOCATION: OWS AT AA MAINTENANCE YARD **TIME:** 0732

OBSERVER: KRIS GREEN/ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L X W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB07-7 **DATE:** 5/27/2009

LOCATION: CB AT WEST WING PARKING **TIME:** 0630

OBSERVER: KRIS GREEN/ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 50X50

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB08-8 **DATE:** 5/27/2009

LOCATION: T1 GATE 9 SLIT TRENCH **TIME:** 0918

OBSERVER: KRIS GREEN/ ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20x20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
☐ Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
X Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB12-9 **DATE:** 5/27/2009

LOCATION: INLET W END OF T2 **TIME:** 0711

OBSERVER: KRIS GREEN/ ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB09-10 **DATE:** 5/27/2009

LOCATION: TERMINAL 1 PARKING LOT **TIME:** 0648

OBSERVER: KRIS GREEN. ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20x20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:

23 June 2009

Amanda Archenhold
MACTEC Engineering & Consulting
9177 Sky Park Court Suite A
San Diego, CA 92123

RE:San Diego Airport

Work Order No.: 0905400

Attached are the results of the analyses for samples received by the laboratory on 05/27/09 12:45.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS),
Environmental Laboratory Accredidation Program (ELAP) No. 2320.

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/23/09 16:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CBO8-8-5-27-09	0905400-01	Liquid	05/27/09 09:18	05/27/09 12:45
CBO8-8-FB-5-27-09	0905400-02	Liquid	05/27/09 09:30	05/27/09 12:45
CBO8-8-DUP-5-27-09	0905400-03	Liquid	05/27/09 09:18	05/27/09 12:45

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 otherwises 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.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/23/09 16:11

Microbiological Parameters by APHA Standard Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CBO8-8-5-27-09 (0905400-01) Liquid	**Sampled: 05/27/09 09:18**		**Received: 05/27/09 12:45**						
Enterococcus	**1200**	100	CFU/100 mL	100	B9E2802	05/27/09	05/27/09 15:10	SM 9230C	
Fecal Coliforms	**210**	10	"	10	"	"	"	SM 9222D	
Total Coliforms	**150000**	1000	"	1000	"	"	"	SM 9222B	
CBO8-8-FB-5-27-09 (0905400-02) Liquid	**Sampled: 05/27/09 09:30**		**Received: 05/27/09 12:45**						
Enterococcus	<10	10	CFU/100 mL	10	B9E2802	05/27/09	05/27/09 15:10	SM 9230C	
Fecal Coliforms	<10	10	"	"	"	"	"	SM 9222D	
Total Coliforms	<10	10	"	"	"	"	"	SM 9222B	
CBO8-8-DUP-5-27-09 (0905400-03) Liquid	**Sampled: 05/27/09 09:18**		**Received: 05/27/09 12:45**						
Enterococcus	**1700**	100	CFU/100 mL	100	B9E2802	05/27/09	05/27/09 15:10	SM 9230C	
Fecal Coliforms	**160**	10	"	10	"	"	"	SM 9222D	
Total Coliforms	**120000**	1000	"	1000	"	"	"	SM 9222B	

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E-MAIL: SIERRALABS @ SIERRALABS.NET

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/23/09 16:11

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CBO8-8-5-27-09 (0905400-01) Liquid	**Sampled: 05/27/09 09:18**		**Received: 05/27/09 12:45**						
Total Hardness	**692**	0.400	mg/L	1	B9F2321	06/23/09	06/23/09 14:57	SM 2340 C	
Hexane Extractable Material (HEM)	**2.30**	2.00	"	"	B9E2831	05/28/09	05/28/09 13:50	EPA 1664	
CBO8-8-FB-5-27-09 (0905400-02) Liquid	**Sampled: 05/27/09 09:30**		**Received: 05/27/09 12:45**						
Total Hardness	ND	0.400	mg/L	1	B9F2321	06/23/09	06/23/09 14:57	SM 2340 C	
Hexane Extractable Material (HEM)	ND	2.00	"	"	B9E2831	05/28/09	05/28/09 13:50	EPA 1664	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/23/09 16:11

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CBO8-8-5-27-09 (0905400-01) Liquid	**Sampled: 05/27/09 09:18**		**Received: 05/27/09 12:45**						
Cadmium	**16**	4.0	µg/L	2	B9F0119	06/01/09	06/01/09 15:20	EPA 200.8	
Copper	**1300**	2.0	"	"	"	"	"	"	
Lead	**6.7**	4.0	"	"	"	"	"	"	
Zinc	**1100**	2.0	"	"	"	"	"	"	
CBO8-8-FB-5-27-09 (0905400-02) Liquid	**Sampled: 05/27/09 09:30**		**Received: 05/27/09 12:45**						
Cadmium	ND	4.0	µg/L	2	B9F0119	06/01/09	06/01/09 15:24	EPA 200.8	
Copper	ND	2.0	"	"	"	"	"	"	
Lead	ND	4.0	"	"	"	"	"	"	
Zinc	**3.4**	2.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	06/23/09 16:11

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9F0119 - EPA 200 Series										
Blank (B9F0119-BLK1)				Prepared & Analyzed: 06/01/09						
Cadmium	ND	4.0	µg/L							
Copper	ND	2.0	"							
Lead	ND	4.0	"							
Zinc	ND	2.0	"							
LCS (B9F0119-BS1)				Prepared & Analyzed: 06/01/09						
Cadmium	101	4.0	µg/L	100		101	85-115			
Copper	99.6	2.0	"	100		99.6	85-115			
Lead	111	4.0	"	100		111	85-115			
Zinc	107	2.0	"	100		107	85-115			
Matrix Spike (B9F0119-MS1)	**Source: 0905400-02**			Prepared & Analyzed: 06/01/09						
Cadmium	98.0	4.0	µg/L	100	ND	98.0	70-130			
Copper	99.3	2.0	"	100	1.6	97.7	70-130			
Lead	105	4.0	"	100	0.54	104	70-130			
Zinc	106	2.0	"	100	3.4	103	70-130			
Matrix Spike Dup (B9F0119-MSD1)	**Source: 0905400-02**			Prepared & Analyzed: 06/01/09						
Cadmium	96.1	4.0	µg/L	100	ND	96.1	70-130	1.96	20	
Copper	96.2	2.0	"	100	1.6	94.6	70-130	3.17	20	
Lead	135	4.0	"	100	0.54	134	70-130	25.0	20	QM-07
Zinc	114	2.0	"	100	3.4	111	70-130	7.27	20	

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Notes and Definitions

_<10	<10
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Certificate of Analysis

Report Date: Tuesday, June 23, 2009
Received Date: Thursday, May 28, 2009
Received Time: 10:01 am
Turnaround Time: Normal

Client: Sierra Analytical
26052 Merit Circle, Suite 105
Laguna Hills, CA 92653

Attn: Nick Forsyth
Project: 0905400

Phones: (949) 348-9389
Fax: (949) 348-9115

P.O. #:

Lab Sample ID: 9E28003-01 **Sample ID: CB08-8-5-27-09** **Matrix:** Water
Sampled by: Client **Sampled: 05/27/09 09:18**

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Azinphos methyl (Guthion)	ND	0.12	0.15	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Bolstar	ND	0.088	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Chlorpyrifos	ND	0.041	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Coumaphos	ND	0.068	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Demeton-o	ND	0.049	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Demeton-s	ND	0.063	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Diazinon	ND	0.058	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Dichlorvos	ND	0.11	0.15	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Disulfoton	ND	0.064	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Ethoprop	ND	0.11	0.15	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Fensulfothion	ND	0.090	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Fenthion	ND	0.027	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Merphos	ND	0.062	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Methyl parathion	ND	0.057	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Mevinphos	ND	0.089	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Naled	ND	0.060	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Phorate	ND	0.054	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Ronnel	ND	0.037	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Stirophos	ND	0.050	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Tokuthion (Prothiofos)	ND	0.063	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Trichloronate	ND	0.031	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Surrogate: Triphenyl phosphate	*200 %*		*6-173*							S-04

Lab Sample ID: 9E28003-02 **Sample ID: CB08-8-8-FB-5-27-09** **Matrix:** Water
Sampled by: Client **Sampled: 05/27/09 09:30**

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Azinphos methyl (Guthion)	ND	0.12	0.15	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Bolstar	ND	0.088	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Chlorpyrifos	ND	0.041	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Coumaphos	ND	0.068	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	
Demeton-o	ND	0.049	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51 dav	W9F0112	

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Lab Sample ID: 9E28003-02 **Sample ID:** CB08-8-8-FB-5-27-09 **Matrix:** Water
Sampled by: Client **Sampled:** 05/27/09 09:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed		Batch	Qualifier
Demeton-s	ND	0.063	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Diazinon	ND	0.058	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Dichlorvos	ND	0.11	0.15	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Disulfoton	ND	0.064	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Ethoprop	ND	0.11	0.15	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Fensulfothion	ND	0.090	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Fenthion	ND	0.027	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Merphos	ND	0.062	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Methyl parathion	ND	0.057	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Mevinphos	ND	0.089	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Naled	ND	0.060	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Phorate	ND	0.054	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Ronnel	ND	0.037	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Stirophos	ND	0.050	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Tokuthion (Prothiofos)	ND	0.063	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Trichloronate	ND	0.031	0.10	ug/l	1	EPA 8141A	6/2/09	6/17/09 13:51	dav	W9F0112	
Surrogate: Triphenyl phosphate	*136 %*		*6-173*								

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Quality Control Section

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W9F0112 - EPA 8141A

Blank (W9F0112-BLK1) — **Prepared: 06/02/09 Analyzed: 06/17/09 13:51**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*1.30*		ug/l	*1.00*	*130*	*6-173*		
Azinphos methyl (Guthion)		ND		ug/l					
Bolstar		ND		ug/l					
Chlorpyrifos		ND		ug/l					
Coumaphos		ND		ug/l					
Demeton-o		ND		ug/l					
Demeton-s		ND		ug/l					
Diazinon		ND		ug/l					
Dichlorvos		ND		ug/l					
Disulfoton		ND		ug/l					
Ethoprop		ND		ug/l					
Fensulfothion		ND		ug/l					
Fenthion		ND		ug/l					
Merphos		ND		ug/l					
Methyl parathion		ND		ug/l					
Mevinphos		ND		ug/l					
Naled		ND		ug/l					
Phorate		ND		ug/l					
Ronnel		ND		ug/l					
Stirophos		ND		ug/l					
Tokuthion (Prothiofos)		ND		ug/l					
Trichloronate		ND		ug/l					

LCS (W9F0112-BS1) — **Prepared: 06/02/09 Analyzed: 06/17/09 13:51**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*1.26*		ug/l	*1.00*	*126*	*6-173*		
Azinphos methyl (Guthion)		0.993		ug/l	1.00	99	18-159		
Bolstar		1.02		ug/l	1.00	102	49-148		
Chlorpyrifos		1.01		ug/l	1.00	101	49-143		
Coumaphos		1.10		ug/l	1.00	110	42-161		
Demeton-o		1.02		ug/l	1.00	102	47-132		
Demeton-s		0.957		ug/l	1.00	96	45-147		
Diazinon		1.09		ug/l	1.00	109	46-136		
Dichlorvos		0.923		ug/l	1.00	92	29-164		
Disulfoton		0.951		ug/l	1.00	95	46-155		
Ethoprop		1.06		ug/l	1.00	106	54-141		
Fensulfothion		1.32		ug/l	1.00	132	54-167		
Fenthion		1.07		ug/l	1.00	107	50-143		
Merphos		1.48		ug/l	1.00	148	40-185		
Methyl parathion		1.07		ug/l	1.00	107	47-142		

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Certificate of Analysis

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W9F0112 - EPA 8141A

LCS (W9F0112-BS1) **Prepared: 06/02/09 Analyzed: 06/17/09 13:51**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mevinphos		1.22		ug/l	1.00	122	43-145		
Naled		1.04		ug/l	1.00	104	16-177		
Phorate		0.951		ug/l	1.00	95	56-134		
Ronnel		1.07		ug/l	1.00	107	49-140		
Stirophos		1.10		ug/l	1.00	110	46-146		
Tokuthion (Prothiofos)		1.03		ug/l	1.00	103	52-139		
Trichloronate		0.914		ug/l	1.00	91	52-136		

LCS Dup (W9F0112-BSD1) **Prepared: 06/02/09 Analyzed: 06/17/09 13:51**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*1.30*		ug/l	*1.00*	*130*	*6-173*		
Azinphos methyl (Guthion)		0.936		ug/l	1.00	94	18-159	6	25
Bolstar		1.06		ug/l	1.00	106	49-148	4	25
Chlorpyrifos		1.08		ug/l	1.00	108	49-143	6	25
Coumaphos		1.04		ug/l	1.00	104	42-161	5	25
Demeton-o		1.02		ug/l	1.00	102	47-132	0.3	25
Demeton-s		0.982		ug/l	1.00	98	45-147	3	25
Diazinon		1.12		ug/l	1.00	112	46-136	3	25
Dichlorvos		0.881		ug/l	1.00	88	29-164	5	25
Disulfoton		0.984		ug/l	1.00	98	46-155	3	25
Ethoprop		1.08		ug/l	1.00	108	54-141	2	25
Fensulfothion		1.22		ug/l	1.00	122	54-167	8	25
Fenthion		1.14		ug/l	1.00	114	50-143	6	25
Merphos		1.60		ug/l	1.00	160	40-185	8	25
Methyl parathion		1.14		ug/l	1.00	114	47-142	6	25
Mevinphos		1.23		ug/l	1.00	123	43-145	1	25
Naled		1.07		ug/l	1.00	107	16-177	3	25
Phorate		1.01		ug/l	1.00	101	56-134	6	25
Ronnel		1.12		ug/l	1.00	112	49-140	5	25
Stirophos		1.14		ug/l	1.00	114	46-146	3	25
Tokuthion (Prothiofos)		1.09		ug/l	1.00	109	52-139	5	25
Trichloronate		0.982		ug/l	1.00	98	52-136	7	25

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Certificate of Analysis

Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature

Contact: Kim G Tu (Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

S-04	The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.
ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
Dil	Dilution Factor
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity

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CHAIN OF CUSTODY RECORD

SIERRA ANALYTICAL
TEL: 949•348•9389
FAX: 949•348•9115
26052 Merit Circle• Suite 105•Laguna Hills, CA•92653

Date: 5/27/09 Page 1 of 1

Lab Project No.: 0905400

Client: MACTEC
Client Address: 9177 Sky Park ct
San Diego CA 92102
Client Tel. No.: 858 2783600
Client Fax. No.:
Client Proj. Mgr.:

Client Project ID:

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Analysis Requested

Geotracker EDD Info:

Client LOGCODE

Site Global ID

Field Point Names/ Comments

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	Oil & Grease	Diazinon	Chlorpyrifos	Dissolved Cu, Pb, Zn	Total Coliform	Fecal Coliform	Enterococcus
CB08-8-5-27-09	01	5/27	0918	W	various	various	4	X	X	X	X	X	X	X
CB08-8 FB-5-27-09	02	5/27	0930	W			4	X	X	X	X	X	X	X
CB08-8 DUP-5-27-0903		5/27	0918	W			1					X	X	X

1 Sampler Signature: K. Green
Printed Name: Kris Green

Shipped Via:
(Carrier/Waybill No.)

(9) Total Number of Containers Submitted to Laboratory

2 Relinquished By: K. Green Date: 5/27
Company: MACTEC Time: 1245

Received By: Date:
Company: Time:

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analysis specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

3 Relinquished By: Date:
Company: Time:

Received By: Nate Blackwell Date: 5/27
Company: Sierra Analytical Time: 12:45

(9) Total Number of Containers Received by Laboratory

4 Relinquished By: Date:
Company: Time:

Received By: Date:
Company: Time:

Sample Disposal:
☐ Return to Client
☐ Lab Disposal*
☐ Archive _____ mos.
☐ Other _____

Special Instructions:

FOR LABORATORY USE ONLY - Sample Receipt Conditions:

☑ Intact ☑ Chilled - Temp. (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location MC620-R103

Rev: 102005

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB01-1	**Latitude**	32.73257	**Watershed**	**Hydrologic Unit**	908
Location	Catch basin near DHL area	**Longitude**	-117.17969		**Hydrologic Area**	908.2
Date	6/25/2009	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	908.21
Time	0751	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only) ☐ Residential ☐ Commercial x Industrial ☐ Agricultural ☐ Parks ☐ Open

Land Use (Secondary) (Optional, greater than 10%) ☐ Residential ☐ Commercial x Industrial ☐ Agricultural ☐ Parks ☐ Open

Conveyance (Check one only) ☐ Manhole x Catch Basin ☐ Outlet ☐ Concrete Channel ☐ Natural Creek ☐ Earthen Channel

ATMOSPHERIC CONDITIONS

Weather ☐ Sunny ☐ Partly Cloudy x Overcast ☐ Fog

Tide ☐ N/A ☐ Low x Incoming ☐ High ☐ Outgoing **Tide Height:**_____ft.

Last Rain X > 72 hours ☐ < 72 hours

Rainfall X None ☐ < 0.1" ☐ > 0.1"

RUNOFF CHARACTERISTICS

Odor	x None	☐ Musty	☐ Rotten Eggs	☐ Chemical	☐ Sewage	☐ Other
Color	☐ None	x Yellow	☐ Brown	☐ White	☐ Gray	☐ Other
Clarity	x Clear		☐ Slightly Cloudy	☐ Opaque		☐ Other
Floatables	x None	☐ Trash	☐ Bubbles/Foam	☐ Sheen	☐ Fecal Matter	☐ Other
Deposits	X None	☐ Sediment/Gravel	☐ Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other
Biology	x None	☐ Insects	☐ Algae	☐ Snails/Fish	☐ Mussels/Barnacles	☐ Other

Flow Observed ☐Yes ☐ No x Ponded ☐ 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 #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	21.6	**NH3-N** (mg/L)	**.4**	**NO3-N** (mg/L)	1	**React PO4** (mg/L)	**.2**
pH (pH units)	6.76	**TURB** (NTU)	**7.55**	**COND** (mS/cm)	.588	**MBAS** (mg/L)	**1**

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		Ft
Depth		Ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **x Yes** ☐ **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (*u*g/L)		**Pb** (*u*g/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (*u*g/L)		**Cd** (*u*g/L)		**Zn** (*u*g/L)	

COMMENTS: samples taken. No obvious source for water._____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB03-2	**Latitude**	32.72864	**Watershed**	**Hydrologic Unit**	908
Location	East End of runway near blast fence	**Longitude**	-117.17843		**Hydrologic Area**	908.2
Date	6/25/2009	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	908.21
Time	0739	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	> 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	seawater
Color	None	Yellow	Brown	White	Gray	x Other	seawater
Clarity	x Clear		Slightly Cloudy	Opaque		Other	
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Salinity greater than 3.4% indicates seawater in basin.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB05-3	**Latitude**	32.73782	**Watershed**	**Hydrologic Unit**	908
Location	Rental car parking area	**Longitude**	-117.18311		**Hydrologic Area**	908.2
Date	6/25/2009	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	908.21
Time	0600	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	X Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	Other _____
Color	None	x 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	x Fine Particulates	Stains	Oily Deposits	Other
Vegetation	None	x Limited	Normal	Excessive		Other _____
Biology	None	x Insects	Algae	Snails/Fish	Mussels/Barnacles	Other _____

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes x No N/A

Evidence of Overland Flow? Yes No Irrigation Runoff x Other: Parking lot uses water for dust control.

Photo Taken x Yes No **Photo #** _____

Field Screening Samples Collected? x Yes No

Water Temp (°C)	20.4	**NH3-N** (mg/L)	.5	**NO3-N** (mg/L)	0	**React PO4** (mg/L)	.3
pH (pH units)	7.14	**TURB** (NTU)	2.2	**COND** (mS/cm)	1407	**MBAS** (mg/L)	.75

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Water in catch basin from dust suppression water truck

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB05-4	**Latitude**	32.73063	**Watershed**	**Hydrologic Unit**	908
Location	By runway light vaults	**Longitude**	-117.18301		**Hydrologic Area**	908.2
Date	6/25/2009	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	908.21
Time	0730	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	x Other	**Seawater**
Color	x None	Yellow	Brown	White	Gray	x Other	**Seawater**
Clarity	Clear		Slightly Cloudy	Opaque		Other	
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **x No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Water in catch basin has salinity above 3.8%_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB06-5	**Latitude**	32.73584	**Watershed**	**Hydrologic Unit**	908
Location	East of control tower	**Longitude**	-117.18637		**Hydrologic Area**	908.2
Date	6/25/09	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	908.21
Time	0823	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	Other _____
Color	None	x Yellow	Brown	White	Gray	Other _____
Clarity	Clear		Slightly Cloudy	Opaque		Other _____
Floatables	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	Snails/Fish	Mussels/Barnacles	Other _____

Flow Observed Yes x No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Salinity of water in catch basin is 3.7% indicating seawater_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB07-6	**Latitude**	32.73085	**Watershed**	**Hydrologic Unit**	908
Location	OWS @ AA Staging area	**Longitude**	-117.19323		**Hydrologic Area**	908.2
Date	6/25/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0658	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	x Manhole	Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	NA
Color	None	Yellow	Brown	White	Gray	x Other	N/A
Clarity	Clear		Slightly Cloudy	Opaque		X Other	N/A
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	None	x Sediment/Gravel	x Fine Particulates	Stains	x Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes x No N/A

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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** x **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Moist area but not enough to sample, not ponded.

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x Routine Investigation **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	Cb07-7	**Latitude**	32.73000	**Watershed**	**Hydrologic Unit**	908
Location	Inlet in West wing parking lot	**Longitude**	-117.19390		**Hydrologic Area**	908.2
Date	6/25/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0633	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	Catch Basin	Outlet	x Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	**Dry**
Color	None	Yellow	Brown	White	Gray	x Other	**Dry**
Clarity	Clear		Slightly Cloudy	Opaque		x Other	**Dry**
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	None	x Sediment/Gravel	x Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **x No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** x **IC/ID Follow-Up For** 5/26/09

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB08-8	**Latitude**	32.73368	**Watershed**	**Hydrologic Unit**	908
Location	Terminal 1 slit trench gate 9	**Longitude**	-117.19673		**Hydrologic Area**	908.2
Date	6/25/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0854	**Observer**	KG, Ah		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	Other _____
Color	None	x Yellow	x Brown	White	Gray	Other _____
Clarity	Clear		x Slightly Cloudy	Opaque		Other _____
Floatables	None	x Trash	Bubbles/Foam	x Sheen	Fecal Matter	Other
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other
Vegetation	x None	Limited	Normal	Excessive		Other _____
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other _____

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes x No N/A

Evidence of Overland Flow? Yes x No Irrigation Runoff Other: _____

Photo Taken x Yes No **Photo #** _____

Field Screening Samples Collected? x Yes No

Water Temp (°C)	23.7	**NH3-N** (mg/L)	4	**NO3-N** (mg/L)	<.25	**React PO4** (mg/L)	.4
pH (pH units)	7.29	**TURB** (NTU)	11.6	**COND** (mS/cm)	2.67	**MBAS** (mg/L)	3+

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

Analytical Laboratory Samples Collected? x Yes No

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: due to color of water (yellow/brown) field test kits had unclear results. Lab sample was taken

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB12-9	**Latitude**	32.73516	**Watershed**	**Hydrologic Unit**	908
Location	Inlet at T-2 West	**Longitude**	-117.20444		**Hydrologic Area**	908.2
Date	6/25/09	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	908.21
Time	0713	**Observer**	KG, Ah		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	**Seawater**
Color	None	Yellow	Brown	White	Gray	x Other	**Seawater**
Clarity	Clear		Slightly Cloudy	Opaque		x Other	**Seawater**
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	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes No Ponded X Tidal

Does the storm drain flow reach the Receiving Water? Yes No N/A

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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **X No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (µg/L)		**Pb** (µg/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (µg/L)		**Cd** (µg/L)		**Zn** (µg/L)	

COMMENTS: Some pooled water in catch basin Salinity=3.5%_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB09-10	**Latitude**	32.72993	**Watershed**	**Hydrologic Unit**	908
Location	Inlet at T-2 West	**Longitude**	-117.19748		**Hydrologic Area**	908.2
Date	6/25/09	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0640	**Observer**	KG, Ah		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	Dry
Color	None	Yellow	Brown	White	Gray	x Other	Dry
Clarity	Clear		Slightly Cloudy	Opaque		x Other	Dry
Floatables	X None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	None	Sediment/Gravel	x Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	X None	Limited	Normal	Excessive		Other	
Biology	X None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes No N/A

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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** X **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Dry_____

2009 Trash Assessment Form

SITE ID: CB01-1 **DATE:** 6/25/2009

LOCATION: WEST OF LANDMARK **TIME:** 0751

OBSERVER: KRIS GREEN/ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB03-2 **DATE:** 6/25/2009

LOCATION: EAST END OF RUNWAY **TIME:** 0739

OBSERVER: KRIS GREEN/ ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING:

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20x20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB05-3 **DATE:** 6/25/2009

LOCATION: RENTAL CAR PARKING LOT **TIME:** 0600

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB05-4 **DATE:** 6/25/2009

LOCATION: BY RUNWAY LIGHT VAULT **TIME:** 0730

OBSERVER: KRIS GREEN, ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB06-5 **DATE:** 6/25/2009

LOCATION: EAST OF CONTROL TOWER **TIME:** 0823

OBSERVER: KRIS GREEN/ ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB07-6 **DATE:** 6/25/2009

LOCATION: OWS AT AA MAINTENANCE YARD **TIME:** 0658

OBSERVER: KRIS GREEN/ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB07-7 **DATE:** 6/25/2009

LOCATION: CB AT WEST WING PARKING **TIME:** 0633

OBSERVER: KRIS GREEN/ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 50X50

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
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☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB08-8 **DATE:** 6/25/2009

LOCATION: T1 GATE 9 SLIT TRENCH **TIME:** 0854

OBSERVER: KRIS GREEN/ ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING: SUBOPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
☐ Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
X Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB12-9 **DATE:** 6/25/2009

LOCATION: INLET W END OF T2 **TIME:** 0713

OBSERVER: KRIS GREEN/ ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
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☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

2009 Trash Assessment Form

SITE ID: CB09-10 **DATE:** 6/25/2009

LOCATION: TERMINAL 1 PARKING LOT **TIME:** 0640

OBSERVER: KRIS GREEN. ANNIE HILL

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 20X20

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

02 July 2009

Amanda Archenhold
MACTEC Engineering & Consulting
9177 Sky Park Court Suite A
San Diego, CA 92123

RE:San Diego Airport

Work Order No.: 0906513

Attached are the results of the analyses for samples received by the laboratory on 06/25/09 13:30.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS),
Environmental Laboratory Accredidation Program (ELAP) No. 2320.

SIERRA ANALYTICAL

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/02/09 11:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB08-8-6-25-09	0906513-01	Liquid	06/25/09 08:54	06/25/09 13:30
CB01-1-6-25-09	0906513-02	Liquid	06/25/09 07:51	06/25/09 13:30

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 otherwises 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.

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/02/09 11:43

Microbiological Parameters by APHA Standard Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-6-25-09 (0906513-01) Liquid	**Sampled: 06/25/09 08:54**	**Received: 06/25/09 13:30**							
Enterococcus	**600**	20	MPN/100 mL	10	B9F2523	06/25/09	06/25/09 15:45	SM 9230B	
Fecal Coliforms	**110**	20	"	"	"	"	"	SM 9221E	H-01
Total Coliforms	**17000**	200	"	100	"	"	"	SM 9221B	
CB01-1-6-25-09 (0906513-02) Liquid	**Sampled: 06/25/09 07:51**	**Received: 06/25/09 13:30**							
Enterococcus	**900**	20	MPN/100 mL	10	B9F2523	06/25/09	06/25/09 15:45	SM 9230B	
Fecal Coliforms	**90**	20	"	"	"	"	"	SM 9221E	H-01
Total Coliforms	**4000**	200	"	100	"	"	"	SM 9221B	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/02/09 11:43

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-6-25-09 (0906513-01) Liquid	**Sampled: 06/25/09 08:54**		**Received: 06/25/09 13:30**						
Total Hardness	**540**	0.400	mg/L	1	B9F2926	06/29/09	06/29/09 09:31	SM 2340 C	
Hexane Extractable Material (HEM)	**12.4**	2.00	"	"	"	"	"	EPA 1664	
CB01-1-6-25-09 (0906513-02) Liquid	**Sampled: 06/25/09 07:51**		**Received: 06/25/09 13:30**						
Total Hardness	**228**	0.400	mg/L	1	B9F2926	06/29/09	06/29/09 09:31	SM 2340 C	
Hexane Extractable Material (HEM)	**2.30**	2.00	"	"	"	"	"	EPA 1664	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/02/09 11:43

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-6-25-09 (0906513-01) Liquid	**Sampled: 06/25/09 08:54**		**Received: 06/25/09 13:30**						
Cadmium	**8.8**	4.0	µg/L	2	B9G0107	06/30/09	07/01/09 16:44	EPA 200.8	
Copper	**190**	2.0	"	"	"	"	"	"	
Lead	ND	4.0	"	"	"	"	"	"	
Zinc	**2500**	2.0	"	"	"	"	"	"	
CB01-1-6-25-09 (0906513-02) Liquid	**Sampled: 06/25/09 07:51**		**Received: 06/25/09 13:30**						
Cadmium	ND	4.0	µg/L	2	B9G0107	06/30/09	07/01/09 16:48	EPA 200.8	
Copper	**530**	2.0	"	"	"	"	"	"	
Lead	ND	4.0	"	"	"	"	"	"	
Zinc	**230**	2.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/02/09 11:43

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9G0107 - EPA 200 Series										
Blank (B9G0107-BLK1)				Prepared: 06/30/09 Analyzed: 07/01/09						
Cadmium	ND	4.0	µg/L							
Copper	ND	2.0	"							
Lead	ND	4.0	"							
Zinc	ND	2.0	"							
LCS (B9G0107-BS1)				Prepared: 06/30/09 Analyzed: 07/01/09						
Cadmium	89.3	4.0	µg/L	100		89.3	85-115			
Copper	91.4	2.0	"	100		91.4	85-115			
Lead	92.2	4.0	"	100		92.2	85-115			
Zinc	96.5	2.0	"	100		96.5	85-115			
Matrix Spike (B9G0107-MS1)	**Source: 0906513-02**			Prepared: 06/30/09 Analyzed: 07/01/09						
Cadmium	96.9	4.0	µg/L	100	2.4	94.5	70-130			
Copper	591	2.0	"	100	530	61.0	70-130			QM-07
Lead	95.8	4.0	"	100	0.56	95.2	70-130			
Zinc	313	2.0	"	100	230	83.0	70-130			
Matrix Spike Dup (B9G0107-MSD1)	**Source: 0906513-02**			Prepared: 06/30/09 Analyzed: 07/01/09						
Cadmium	99.1	4.0	µg/L	100	2.4	96.7	70-130	2.24	20	
Copper	610	2.0	"	100	530	80.0	70-130	3.16	20	
Lead	97.3	4.0	"	100	0.56	96.7	70-130	1.55	20	
Zinc	322	2.0	"	100	230	92.0	70-130	2.83	20	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/02/09 11:43

Notes and Definitions

H-01	Sample received without sufficient time to complete analysis within recommended holding time.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Certificate of Analysis

Report Date: Friday, July 17, 2009
Received Date: Friday, June 26, 2009
Received Time: 11:24 am
Turnaround Time: Normal

Client: Sierra Analytical
26052 Merit Circle, Suite 105
Laguna Hills, CA 92653

Attn: Nick Forsyth
Project: 0906513

Phones: (949) 348-9389
Fax: (949) 348-9115

P.O. #:

Lab Sample ID: 9F26019-01 **Sample ID: CB08-8-6-25-09 (0906513-01)** **Matrix:** Water
Sampled by: Client **Sampled: 06/25/09 08:54**

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Azinphos methyl (Guthion)	ND	0.12	0.15	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Bolstar	ND	0.088	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Chlorpyrifos	ND	0.041	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Coumaphos	ND	0.068	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Demeton-o	ND	0.049	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Demeton-s	ND	0.063	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Diazinon	ND	0.058	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Dichlorvos	ND	0.11	0.15	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Disulfoton	ND	0.064	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Ethoprop	ND	0.11	0.15	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Fensulfothion	ND	0.090	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Fenthion	ND	0.027	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Merphos	ND	0.062	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Methyl parathion	ND	0.057	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Mevinphos	ND	0.089	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Naled	ND	0.060	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Phorate	ND	0.054	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Ronnel	ND	0.037	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Stirophos	ND	0.050	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Tokuthion (Prothiofos)	ND	0.063	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Trichloronate	ND	0.031	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Surrogate: Triphenyl phosphate	*496 %*		*6-173*							S-03

Lab Sample ID: 9F26019-02 **Sample ID: CB01-1-6-25-09 (0906513-02)** **Matrix:** Water
Sampled by: Client **Sampled: 06/25/09 07:51**

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Azinphos methyl (Guthion)	ND	0.12	0.15	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Bolstar	ND	0.088	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Chlorpyrifos	ND	0.041	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Coumaphos	ND	0.068	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Demeton-o	ND	0.049	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	

Certificate of Analysis

Lab Sample ID: 9F26019-02 **Sample ID:** CB01-1-6-25-09 (0906513-02) **Matrix:** Water
Sampled by: Client **Sampled:** 06/25/09 07:51

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Demeton-s	ND	0.063	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Diazinon	ND	0.058	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Dichlorvos	ND	0.11	0.15	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Disulfoton	ND	0.064	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Ethoprop	ND	0.11	0.15	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Fensulfothion	ND	0.090	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Fenthion	ND	0.027	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Merphos	ND	0.062	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Methyl parathion	ND	0.057	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Mevinphos	ND	0.089	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Naled	ND	0.060	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Phorate	ND	0.054	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Ronnel	ND	0.037	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Stirophos	ND	0.050	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Tokuthion (Prothiofos)	ND	0.063	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Trichloronate	ND	0.031	0.10	ug/l	1	EPA 8141A	6/30/09	7/6/09 16:11 dav	W9F1084	
Surrogate: Triphenyl phosphate	*61 %*		*6-173*							

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Certificate of Analysis

Quality Control Section

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W9F1084 - EPA 8141A

Blank (W9F1084-BLK1) — **Prepared: 06/30/09 Analyzed: 07/06/09 16:11**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.657*		ug/l	*1.00*	*66*	*6-173*		
Azinphos methyl (Guthion)		ND		ug/l					
Bolstar		ND		ug/l					
Chlorpyrifos		ND		ug/l					
Coumaphos		ND		ug/l					
Demeton-o		ND		ug/l					
Demeton-s		ND		ug/l					
Diazinon		ND		ug/l					
Dichlorvos		ND		ug/l					
Disulfoton		ND		ug/l					
Ethoprop		ND		ug/l					
Fensulfothion		ND		ug/l					
Fenthion		ND		ug/l					
Merphos		ND		ug/l					
Methyl parathion		ND		ug/l					
Mevinphos		ND		ug/l					
Naled		ND		ug/l					
Phorate		ND		ug/l					
Ronnel		ND		ug/l					
Stirophos		ND		ug/l					
Tokuthion (Prothiofos)		ND		ug/l					
Trichloronate		ND		ug/l					

LCS (W9F1084-BS1) — **Prepared: 06/30/09 Analyzed: 07/06/09 16:11**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*1.08*		ug/l	*1.00*	*108*	*6-173*		
Azinphos methyl (Guthion)		1.06		ug/l	1.00	106	18-159		
Bolstar		0.972		ug/l	1.00	97	49-148		
Chlorpyrifos		0.915		ug/l	1.00	92	49-143		
Coumaphos		1.06		ug/l	1.00	106	42-161		
Demeton-o		0.904		ug/l	1.00	90	47-132		
Demeton-s		0.924		ug/l	1.00	92	45-147		
Diazinon		0.959		ug/l	1.00	96	46-136		
Dichlorvos		0.843		ug/l	1.00	84	29-164		
Disulfoton		0.932		ug/l	1.00	93	46-155		
Ethoprop		0.986		ug/l	1.00	99	54-141		
Fensulfothion		1.27		ug/l	1.00	127	54-167		
Fenthion		0.951		ug/l	1.00	95	50-143		
Merphos		1.46		ug/l	1.00	146	40-185		
Methyl parathion		0.996		ug/l	1.00	100	47-142		

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Certificate of Analysis

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W9F1084 - EPA 8141A

LCS (W9F1084-BS1) **Prepared: 06/30/09 Analyzed: 07/06/09 16:11**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mevinphos		0.993		ug/l	1.00	99	43-145		
Naled		0.968		ug/l	1.00	97	16-177		
Phorate		0.975		ug/l	1.00	97	56-134		
Ronnel		0.959		ug/l	1.00	96	49-140		
Stirophos		1.04		ug/l	1.00	104	46-146		
Tokuthion (Prothiofos)		0.942		ug/l	1.00	94	52-139		
Trichloronate		0.903		ug/l	1.00	90	52-136		

LCS Dup (W9F1084-BSD1) **Prepared: 06/30/09 Analyzed: 07/06/09 16:11**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.839*		ug/l	*1.00*	*84*	*6-173*		
Azinphos methyl (Guthion)		0.873		ug/l	1.00	87	18-159	19	25
Bolstar		0.786		ug/l	1.00	79	49-148	21	25
Chlorpyrifos		0.800		ug/l	1.00	80	49-143	13	25
Coumaphos		0.867		ug/l	1.00	87	42-161	20	25
Demeton-o		0.876		ug/l	1.00	88	47-132	3	25
Demeton-s		0.804		ug/l	1.00	80	45-147	14	25
Diazinon		0.853		ug/l	1.00	85	46-136	12	25
Dichlorvos		0.707		ug/l	1.00	71	29-164	18	25
Disulfoton		0.777		ug/l	1.00	78	46-155	18	25
Ethoprop		0.912		ug/l	1.00	91	54-141	8	25
Fensulfothion		1.01		ug/l	1.00	101	54-167	23	25
Fenthion		0.834		ug/l	1.00	83	50-143	13	25
Merphos		1.26		ug/l	1.00	126	40-185	15	25
Methyl parathion		0.889		ug/l	1.00	89	47-142	11	25
Mevinphos		0.751	Q-12	ug/l	1.00	75	43-145	28	25
Naled		0.910		ug/l	1.00	91	16-177	6	25
Phorate		0.904		ug/l	1.00	90	56-134	7	25
Ronnel		0.853		ug/l	1.00	85	49-140	12	25
Stirophos		0.941		ug/l	1.00	94	46-146	10	25
Tokuthion (Prothiofos)		0.789		ug/l	1.00	79	52-139	18	25
Trichloronate		0.788		ug/l	1.00	79	52-136	14	25

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www.wecklabs.com

Certificate of Analysis

Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature

Contact: Kim G Tu (Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

Q-12	The RPD result exceeded the QC control limits possibly due to a possible matrix effect; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
S-03	High surrogate recovery for this sample is possibly due to a sample matrix effect. The data was accepted since all target analytes were not detected.
ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
Dil	Dilution Factor
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

CHAIN OF CUSTODY RECORD

SIERRA ANALYTICAL
TEL: 949•348•9389
FAX: 949•348•9115
26052 Merit Circle• Suite 105•Laguna Hills, CA•92653

Date: 6/25/09 Page 1 of 1

Lab Project No.: 0906513

Client: MACTEC
Client Address: 9177 Sky Park Ct

Client Tel. No.: 858 278 3600
Client Fax. No.:
Client Proj. Mgr.: AMANDA ARCHENHOLD

Client Project ID:

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☑ Normal ☐ Mobile

Geotracker EDD Info:

Client LOGCODE

Site Global ID

Field Point Names/ Comments

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	Analysis Requested: OIL & GREASE	DIAZINON	CHLORPYRIFOS	DISSOLVED Cd, Cu, Pb 2A	Total Coliform	Fecal coliform	Enterococcus	HARDNESS
CB03-8-6-26-09	01	6-26	0854	WW	Ice	Various	4	X	X	X	X	X	X	X	X
CB01-1-6-26-09	02	6-26	0751	WW	Ice	Various	5	X	X	X	X	X	X	X	X

1 Sampler Signature: K. H
Printed Name: Kris Green

Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: K. H Date: 6-26 Time: 1330 Company: MACTEC

Received By: B. Matt Date: 6.25.09 Time: 1330 Company: SA

3 Relinquished By: B. Matt Date: 6/25/09 Time: 1500 Company: SA

Received By: Date: 6-25-09 Time: 1500 Company: Sierra

4 Relinquished By: Date: Time: Company:

Received By: Date: Time: Company:

Special Instructions:

(9) Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analysis specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

(9) Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☐ Lab Disposal*
☐ Archive _____ mos.
☐ Other _____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:

☑ Intact ☑ Chilled - Temp. (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location Cooler-A104

Rev: 102005

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** ☐ **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB01-1	**Latitude**	32.73257	**Watershed**	**Hydrologic Unit**	908
Location	Catch basin near DHL area	**Longitude**	-117.17969		**Hydrologic Area**	908.2
Date	7/23/2009	**TB Page**	1288 H1		**Hydrologic Subarea** (Optional)	908.21
Time	1020	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	☐ Residential	☐ Commercial	x Industrial	☐ Agricultural	☐ Parks	☐ Open
Land Use (Secondary) (Optional, greater than 10%)	☐ Residential	☐ Commercial	x Industrial	☐ Agricultural	☐ Parks	☐ Open
Conveyance (Check one only)	☐ Manhole	x Catch Basin	☐ Outlet	☐ Concrete Channel	☐ Natural Creek	☐ Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	☐ Sunny	☐ Partly Cloudy	x Overcast	☐ Fog	
Tide	☐ N/A	☐ Low	x Incoming	☐ High	☐ Outgoing **Tide Height:**_____ft.
Last Rain	X > 72 hours	☐ < 72 hours			
Rainfall	X None	☐ < 0.1"	☐ > 0.1"		

RUNOFF CHARACTERISTICS

Odor	x None	☐ Musty	☐ Rotten Eggs	☐ Chemical	☐ Sewage	☐ Other _____
Color	☐ None	x Yellow	☐ Brown	☐ White	☐ Gray	☐ Other _____
Clarity	x Clear		☐ Slightly Cloudy	☐ Opaque		☐ Other _____
Floatables	x None	☐ Trash	☐ Bubbles/Foam	☐ Sheen	☐ Fecal Matter	☐ Other
Deposits	☐ None	☐ Sediment/Gravel	x Fine Particulates	☐ Stains	☐ Oily Deposits	☐ Other
Vegetation	x None	☐ Limited	☐ Normal	☐ Excessive		☐ Other _____
Biology	x None	☐ Insects	☐ Algae	☐ Snails/Fish	☐ Mussels/Barnacles	☐ Other _____

Flow Observed ☐Yes **x** No x Ponded ☐ 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 #** _____

Field Screening Samples Collected? x Yes ☐ No

Water Temp (°C)	26.1	**NH3-N** (mg/L)	**2**	**NO3-N** (mg/L)	<.25	**React PO4** (mg/L)	**.6**
pH (pH units)	7.15	**TURB** (NTU)	**.44**	**COND** (mS/cm)	1.5	**MBAS** (mg/L)	**1.5**

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		Ft
Depth		Ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **x Yes** ☐ **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (*u*g/L)		**Pb** (*u*g/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (*u*g/L)		**Cd** (*u*g/L)		**Zn** (*u*g/L)	

COMMENTS: samples taken. No obvious source for water._____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB03-2	**Latitude**	32.72864	**Watershed**	**Hydrologic Unit**	908
Location	East End of runway near blast fence	**Longitude**	-117.17843		**Hydrologic Area**	908.2
Date	7/23/2009	**TB Page**	1288 J1		**Hydrologic Subarea** (Optional)	908.21
Time	1000	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	x Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	**seawater**
Color	None	Yellow	Brown	White	Gray	x Other	**seawater**
Clarity	x Clear		Slightly Cloudy	Opaque		Other	
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: **Salinity greater than 3.4% indicates seawater in basin.**

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB05-3	**Latitude**	32.73782	**Watershed**	**Hydrologic Unit**	908
Location	Rental car parking area	**Longitude**	-117.18311		**Hydrologic Area**	908.2
Date	7/23/2009	**TB Page**	1268 H7		**Hydrologic Subarea** (Optional)	908.21
Time	0515	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	X Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	Other _____
Color	None	x 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	x Fine Particulates	Stains	Oily Deposits	Other
Vegetation	None	x Limited	Normal	Excessive		Other _____
Biology	None	x Insects	Algae	Snails/Fish	Mussels/Barnacles	Other _____

Flow Observed Yes **x** No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes x No N/A

Evidence of Overland Flow? x Yes No Irrigation Runoff x Other: Parking lot uses water for dust control.

Photo Taken **x** Yes No **Photo #** _____

Field Screening Samples Collected? x Yes No

Water Temp (°C)	23.3	**NH3-N** (mg/L)	.6	**NO3-N** (mg/L)	.25	**React PO4** (mg/L)	.1
pH (pH units)	6.89	**TURB** (NTU)	11	**COND** (mS/cm)	19.45	**MBAS** (mg/L)	.8

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Overland flow and water in catch basin are from water truck used for dust suppression

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB05-4	**Latitude**	32.73063	**Watershed**	**Hydrologic Unit**	908
Location	By runway light vaults	**Longitude**	-117.18301		**Hydrologic Area**	908.2
Date	7/23/2009	**TB Page**	1288 G1		**Hydrologic Subarea** (Optional)	908.21
Time	0945	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	x Sunny	Partly Cloudy	Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	x Other	**Seawater**
Color	x None	Yellow	Brown	White	Gray	x Other	**Seawater**
Clarity	Clear		Slightly Cloudy	Opaque		Other	
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	None	x Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **x No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: small pond of water in catch basin is seawater_____

_____

_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB06-5	**Latitude**	32.73584	**Watershed**	**Hydrologic Unit**	908
Location	East of control tower	**Longitude**	-117.18637		**Hydrologic Area**	908.2
Date	7/23/09	**TB Page**	1268 G7		**Hydrologic Subarea** (Optional)	908.21
Time	0731	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	x None	Musty	Rotten Eggs	Chemical	Sewage	Other _____
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	None	x Insects	Algae	Snails/Fish	Mussels/Barnacles	Other _____

Flow Observed Yes No x Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: salinity at 2.5% indicating seawater_____

_____

_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB07-6	**Latitude**	32.73085	**Watershed**	**Hydrologic Unit**	908
Location	OWS @ AA Staging area	**Longitude**	-117.19323		**Hydrologic Area**	908.2
Date	7/23/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0708	**Observer**	KG, AH		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	x Manhole	Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	NA
Color	None	Yellow	Brown	White	Gray	x Other	N/A
Clarity	Clear		Slightly Cloudy	Opaque		X Other	N/A
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	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes x No N/A

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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** x **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Dry

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	Cb07-7	**Latitude**	32.73000	**Watershed**	**Hydrologic Unit**	908
Location	Inlet in West wing parking lot	**Longitude**	-117.19390		**Hydrologic Area**	908.2
Date	7/23/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0610	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	Catch Basin	Outlet	x Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	Dry
Color	None	Yellow	Brown	White	Gray	x Other	Dry
Clarity	Clear		Slightly Cloudy	Opaque		x Other	Dry
Floatables	x None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	None	x Sediment/Gravel	x Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	x None	Limited	Normal	Excessive		Other	
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded 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 #** _____

Field Screening Samples Collected? Yes x No

Water Temp (°C)		**NH3-N** (mg/L)		**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** x **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Dry_____

_____

_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** x **IC/ID Follow-Up For6/25/2009** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB08-8	**Latitude**	32.73368	**Watershed**	**Hydrologic Unit**	908
Location	Terminal 1 slit trench gate 9	**Longitude**	-117.19673		**Hydrologic Area**	908.2
Date	7/23/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	1100	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	x Sunny	Partly Cloudy	Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	x Musty	Rotten Eggs	Chemical	Sewage	Other _____
Color	None	x Yellow	x Brown	White	Gray	Other _____
Clarity	Clear		x Slightly Cloudy	Opaque		Other _____
Floatables	None	x Trash	x Bubbles/Foam	x Sheen	Fecal Matter	Other
Deposits	x None	Sediment/Gravel	Fine Particulates	Stains	Oily Deposits	Other
Vegetation	x None	Limited	Normal	Excessive		Other _____
Biology	x None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other _____

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes No x N/A

Evidence of Overland Flow? x Yes No Irrigation Runoff Other: _____

Photo Taken x Yes No **Photo #** _____

Field Screening Samples Collected? x Yes No

Water Temp (°C)	29.8	**NH3-N** (mg/L)	**5**	**NO3-N** (mg/L)	ND	**React PO4** (mg/L)	**.4**
pH (pH units)	7.54	**TURB** (NTU)	**9.81**	**COND** (mS/cm)	3.12	**MBAS** (mg/L)	**>1**

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

Analytical Laboratory Samples Collected? **x Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (*ug*/L)		**Pb** (*ug*/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (*ug*/L)		**Cd** (*ug*/L)		**Zn** (*ug*/L)	

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

Routine Investigation x **IC/ID Follow-Up For7/23/2009** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB08-8	**Latitude**	32.73368	**Watershed**	**Hydrologic Unit**	908
Location	Terminal 1 slit trench gate 9	**Longitude**	-117.19673		**Hydrologic Area**	908.2
Date	8/27/2009	**TB Page**	1288 F1		**Hydrologic Subarea** (Optional)	908.21
Time	1145	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	x Sunny	Partly Cloudy	Overcast	Fog		
Tide	x N/A	Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	x Musty	Rotten Eggs	Chemical	Sewage	Other _____
Color	None	x Yellow	x Brown	White	Gray	Other _____
Clarity	Clear		x Slightly Cloudy	Opaque		Other _____
Floatables	None	x Trash	x Bubbles/Foam	Sheen	Fecal Matter	Other
Deposits	None	x Sediment/Gravel	X Fine Particulates	Stains	Oily Deposits	Other
Vegetation	x None	Limited	Normal	Excessive		Other _____
Biology	None	x Insects	Algae	Snails/Fish	Mussels/Barnacles	Other _____

Flow Observed Yes **x** No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes x No N/A

Evidence of Overland Flow? Yes x No Irrigation Runoff Other: _____

Photo Taken x Yes No **Photo #** _____

Field Screening Samples Collected? x Yes No

Water Temp (°C)		**NH3-N** (mg/L)	4	**NO3-N** (mg/L)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	>1

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		Ft
Depth		Ft
Velocity		ft/sec
Flow		Gpm

Analytical Laboratory Samples Collected? **x Yes** **No**

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: _____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB12-9	**Latitude**	32.73516	**Watershed**	**Hydrologic Unit**	908
Location	Inlet at T-2 West	**Longitude**	-117.20444		**Hydrologic Area**	908.2
Date	7/23/09	**TB Page**	1268 E7		**Hydrologic Subarea** (Optional)	908.21
Time	0700	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	Seawater
Color	None	Yellow	Brown	White	Gray	x Other	Seawater
Clarity	Clear		Slightly Cloudy	Opaque		x Other	Seawater
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	Snails/Fish	Mussels/Barnacles	Other	_____

Flow Observed Yes No Ponded X Tidal

Does the storm drain flow reach the Receiving Water? Yes No N/A

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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? **Yes** X No

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Some pooled water in catch basin Salinity=3.5%_____

San Diego Stormwater Copermittees
Dry Weather Monitoring Field Datasheet

x **Routine Investigation** **IC/ID Follow-Up For** _____

GENERAL SITE DESCRIPTION (NAD 83 decimal degrees to 5th place)

Site ID	CB09-10	**Latitude**	32.72993	**Watershed**	**Hydrologic Unit**	908
Location	Inlet at T-2 West	**Longitude**	-117.19748		**Hydrologic Area**	908.2
Date	7/23/09	**TB Page**	1299 F1		**Hydrologic Subarea** (Optional)	908.21
Time	0630	**Observer**	KG		**Discharge Area** (Optional)	

Land Use (Primary) (Check one only)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Land Use (Secondary) (Optional, greater than 10%)	Residential	Commercial	x Industrial	Agricultural	Parks	Open
Conveyance (Check one only)	Manhole	x Catch Basin	Outlet	Concrete Channel	Natural Creek	Earthen Channel

ATMOSPHERIC CONDITIONS

Weather	Sunny	Partly Cloudy	x Overcast	Fog		
Tide	N/A	x Low	x Incoming	High	Outgoing	**Tide Height:**_____ft.
Last Rain	x > 72 hours	< 72 hours				
Rainfall	x None	< 0.1"	> 0.1"			

RUNOFF CHARACTERISTICS

Odor	None	Musty	Rotten Eggs	Chemical	Sewage	x Other	**Dry**
Color	None	Yellow	Brown	White	Gray	x Other	**Dry**
Clarity	Clear		Slightly Cloudy	Opaque		x Other	**Dry**
Floatables	X None	Trash	Bubbles/Foam	Sheen	Fecal Matter	Other	
Deposits	None	Sediment/Gravel	x Fine Particulates	Stains	Oily Deposits	Other	
Vegetation	X None	Limited	Normal	Excessive		Other	
Biology	X None	Insects	Algae	Snails/Fish	Mussels/Barnacles	Other	

Flow Observed Yes x No Ponded Tidal

Does the storm drain flow reach the Receiving Water? Yes No N/A

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)		**React PO4** (mg/L)	
pH (pH units)		**TURB** (NTU)		**COND** (mS/cm)		**MBAS** (mg/L)	

FLOW ESTIMATION WORKSHEETS

Flowing Creek or Box Culvert

Width		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Filling a Bottle or Known Volume

Volume		mL
Time to Fill		sec
Flow		gpm

Flowing Pipe

Diameter		ft
Depth		ft
Velocity		ft/sec
Flow		gpm

Analytical Laboratory Samples Collected? Yes X No

O&G (mg/L)		**Entero.** (MPN/100mL)		**Fecal Col.** (MPN/mL)		**Chlorpy.** (ug/L)		**Pb** (ug/L)	
Hardness (mg/L)		**Total Col.** (MPN/100mL)		**Diazanon** (ug/L)		**Cd** (ug/L)		**Zn** (ug/L)	

COMMENTS: Dry_____

2009 Trash Assessment Form

SITE ID: CB01-1 **DATE:** 7/23/2009

LOCATION: WEST OF LANDMARK **TIME:** 1020

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 50x50

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB03-2 **DATE:** 7/23/2009

LOCATION: EAST END OF RUNWAY **TIME:** 1000

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 50x50

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB05-3 **DATE:** 7/23/2009

LOCATION: RENTAL CAR PARKING LOT **TIME:** 0515

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 100X100

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
X Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ **Marginal**	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ **Submarginal**	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ **Poor**	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ **Potential Threat to Human Health**	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ **Potential Threat to Aquatic Health**	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB05-4 **DATE:** 7/23/2009

LOCATION: BY RUNWAY LIGHT VAULT **TIME:** 0945

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 50X50

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB06-5 **DATE:** 7/23/2009

LOCATION: EAST OF CONTROL TOWER **TIME:** 0731

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 100X100

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB07-6 **DATE:** 7/23/2009

LOCATION: OWS AT AA MAINTENANCE YARD **TIME:** 0708

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 20X30

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB07-7 **DATE:** 7/23/2009

LOCATION: CB AT WEST WING PARKING **TIME:** 0610

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 100X100

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [x] MS4 [ ] RECEIVING WATER [ ] BOTH	
x Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB08-8 **DATE:** 7/23/2009

LOCATION: T1 GATE 9 SLIT TRENCH **TIME:** 1100

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: SUBOPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 100X100

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
☐ **Optimal**	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
X Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ **Marginal**	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ **Submarginal**	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ **Poor**	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ **Potential Threat to Human Health**	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ **Potential Threat to Aquatic Health**	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:

2009 Trash Assessment Form

SITE ID: CB12-9 **DATE:** 7/23/2009

LOCATION: INLET W END OF T2 **TIME:** 0700

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L X W (FT): 40X40

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ **Suboptimal**	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ **Marginal**	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ **Submarginal**	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ **Poor**	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ **Potential Threat to Human Health**	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ **Potential Threat to Aquatic Health**	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

2009 Trash Assessment Form

SITE ID: CB09-10 **DATE:** 7/23/2009

LOCATION: TERMINAL 1 PARKING LOT **TIME:** 0630

OBSERVER: KRIS GREEN

PREVIOUS TRASH ASSESSMENT RATING: OPTIMAL

ESTIMATED AREA OF ASSESSMENT L x W (FT): 40X40

Amount and Extent of Trash	
EVALUATION OF TRASH INCLUDES*: [X] MS4 [ ] RECEIVING WATER [ ] BOTH	
X Optimal	On first glance, no trash visible. Little or no trash (<10 pieces) evident when evaluated area is closely examined for litter and debris.
☐ Suboptimal	On first glance, little or no trash visible. After close inspection small levels of trash (~10-50 pieces) evident in evaluated area.
☐ Marginal	Trash is evident in low to medium levels (~51-100 pieces) on first glance. Evaluated area contains litter and debris. Evidence of site being used by people: scattered cans, bottles, food wrappers, blankets, or clothing present.
☐ Submarginal	Trash distracts the eye on first glance. Evaluated area contains substantial levels of litter and debris (>100- 400) . Evidence of site being used frequently by people: many cans, bottles, food wrappers, blankets, or clothing present.
☐ Poor	Site is significantly impacted by trash. Evidence of trash accumulation behind a constriction point or evidence of excessive dumping. Evaluated area contains substantial levels of litter and debris (>400 pieces).

* In areas where receiving water is accessible and adjacent to dry weather site, trash evaluation must include receiving water.

Site Evaluation for Potential Threat to Human Health and/or Aquatic Health (applies to area of assessment)	
☐ Potential Threat to Human Health	Presence of more than one of, or a combination of the following items: hypodermic needles or other medical waste; used diapers, animal waste, or human feces; any toxic substance such as chemical containers, vehicle batteries, or fluorescent light bulbs. Alternatively high prevalence of any one item (e.g. Greater than 50 items that present a puncture or laceration hazard); or observations of mosquito larvae directly observed in water ponded due to trash. All subject to best professional judgment. Describe potential threat on back of form.
☐ Potential Threat to Aquatic Health	Large amount* of persistent, buoyant litter such as: hard or soft plastics, balloons, Styrofoam (equivalent to a cup), or large amount of settleable, degradable and nontoxic debris; cigarette butts. Presence of more than one of, or a combination of the following items: toxic items such as vehicle batteries, or spray cans; any evidence large clumps of yard waste from landscape maintenance such as yard waste or dumped leaf litter (not naturally occurring). All subject to best professional judgment. Describe potential threat on back of form. *Large amount is defined as 50 pieces or more.

- **Complete the following section for Submarginal, and Poor Evaluations ONLY**

TYPE	Ranking or Count by Type *	POTENTIAL ROUTE (CHECK UP TO 2)				POTENTIAL SOURCE (CHECK UP TO 2)						
		Dumping	Littering	Upstream	Unable to determine	Household	Construction	Commercial	Industrial	School	Transient	Unable to determine
Automotive												
Biohazard Waste												
Business Related												
Cigarette Butts												
Construction												
Fabric/Clothing												
Food Packaging												
Food Waste												
Household												
Shopping Carts												
Toxic												
Yard Waste												

* Only rank the types of trash PRESENT in evaluated area from 1 through 12 (1 is most prevalent – 12 is least prevalent). DO NOT rank types of trash that are not present in evaluated area.

Comments:_____

29 July 2009

Amanda Archenhold
MACTEC Engineering & Consulting
9177 Sky Park Court Suite A
San Diego, CA 92123

RE:San Diego Airport

Work Order No.: 0907380

Attached are the results of the analyses for samples received by the laboratory on 07/23/09 13:06.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS),
Environmental Laboratory Accredidation Program (ELAP) No. 2320.

MACTEC Engineering & Consulting	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	07/29/09 15:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB08-8-7-23-09	0907380-01	Liquid	07/23/09 11:00	07/23/09 13:06
CB01-1-7-23-09	0907380-02	Liquid	07/23/09 10:20	07/23/09 13:06

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 otherwises 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.

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/29/09 15:09

Microbiological Parameters by APHA Standard Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-7-23-09 (0907380-01) Liquid	**Sampled: 07/23/09 11:00**		**Received: 07/23/09 13:06**						
Enterococcus	**1100**	20	MPN/100 mL	10	B9G2409	07/23/09	07/23/09 16:30	SM 9230B	
Fecal Coliforms	**900**	20	"	"	"	"	"	SM 9221E	
Total Coliforms	**500**	20	"	"	"	"	"	SM 9221B	
CB01-1-7-23-09 (0907380-02) Liquid	**Sampled: 07/23/09 10:20**		**Received: 07/23/09 13:06**						
Enterococcus	**1300**	20	MPN/100 mL	10	B9G2409	07/23/09	07/23/09 16:30	SM 9230B	
Fecal Coliforms	**40**	20	"	"	"	"	"	SM 9221E	H-01
Total Coliforms	**24000**	200	"	100	"	"	"	SM 9221B	

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TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/29/09 15:09

Conventional Chemistry Parameters by APHA/EPA Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-7-23-09 (0907380-01) Liquid	**Sampled: 07/23/09 11:00**		**Received: 07/23/09 13:06**						
Total Hardness	**1010**	0.400	mg/L	1	B9G2813	07/23/09	07/28/09 11:33	SM 2340 C	
Hexane Extractable Material (HEM)	**4.30**	2.00	"	"	"	"	"	EPA 1664	
CB01-1-7-23-09 (0907380-02) Liquid	**Sampled: 07/23/09 10:20**		**Received: 07/23/09 13:06**						
Total Hardness	**298**	0.400	mg/L	1	B9G2813	07/23/09	07/28/09 11:33	SM 2340 C	
Hexane Extractable Material (HEM)	**3.50**	2.00	"	"	"	"	"	EPA 1664	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/29/09 15:09

Metals (Dissolved) by EPA 200 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CB08-8-7-23-09 (0907380-01) Liquid	**Sampled: 07/23/09 11:00**		**Received: 07/23/09 13:06**						
Cadmium	**8.2**	4.0	µg/L	2	B9G2405	07/24/09	07/24/09 16:23	EPA 200.8	
Copper	**740**	2.0	"	"	"	"	"	"	
Lead	**4.5**	4.0	"	"	"	"	"	"	
Zinc	**1300**	2.0	"	"	"	"	"	"	
CB01-1-7-23-09 (0907380-02) Liquid	**Sampled: 07/23/09 10:20**		**Received: 07/23/09 13:06**						
Cadmium	ND	4.0	µg/L	2	B9G2405	07/24/09	07/24/09 16:35	EPA 200.8	
Copper	**270**	2.0	"	"	"	"	"	"	
Lead	**11**	4.0	"	"	"	"	"	"	
Zinc	**110**	2.0	"	"	"	"	"	"	

MACTEC Engineering & Consulting	Project: San Diego Airport	
9177 Sky Park Court Suite A	Project Number: [none]	**Reported:**
San Diego CA, 92123	Project Manager: Amanda Archenhold	07/29/09 15:09

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9G2405 - EPA 200 Series										
Blank (B9G2405-BLK1)				Prepared & Analyzed: 07/24/09						
Cadmium	ND	4.0	µg/L							
Copper	ND	2.0	"							
Lead	ND	4.0	"							
Zinc	ND	2.0	"							
LCS (B9G2405-BS1)				Prepared & Analyzed: 07/24/09						
Cadmium	90.1	4.0	µg/L	100		90.1	85-115			
Copper	91.7	2.0	"	100		91.7	85-115			
Lead	96.3	4.0	"	100		96.3	85-115			
Zinc	94.1	2.0	"	100		94.1	85-115			
Matrix Spike (B9G2405-MS1)	**Source: 0907380-01**			Prepared & Analyzed: 07/24/09						
Cadmium	104	4.0	µg/L	100	8.2	95.8	70-130			
Copper	824	2.0	"	100	740	84.0	70-130			
Lead	101	4.0	"	100	4.5	96.5	70-130			
Zinc	1340	2.0	"	100	1300	40.0	70-130			QM-07
Matrix Spike Dup (B9G2405-MSD1)	**Source: 0907380-01**			Prepared & Analyzed: 07/24/09						
Cadmium	101	4.0	µg/L	100	8.2	92.8	70-130	2.93	20	
Copper	835	2.0	"	100	740	95.0	70-130	1.33	20	
Lead	97.6	4.0	"	100	4.5	93.1	70-130	3.42	20	
Zinc	1370	2.0	"	100	1300	70.0	70-130	2.21	20	

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MACTEC Engineering & Consulting	Project:	San Diego Airport	
9177 Sky Park Court Suite A	Project Number:	[none]	**Reported:**
San Diego CA, 92123	Project Manager:	Amanda Archenhold	07/29/09 15:09

Notes and Definitions

H-01	Sample received without sufficient time to complete analysis within recommended holding time.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

Certificate of Analysis

Report Date: Wednesday, August 19, 2009
Received Date: Monday, July 27, 2009
Received Time: 10:45 am
Turnaround Time: Normal

Client: Sierra Analytical
26052 Merit Circle, Suite 105
Laguna Hills, CA 92653

Attn: Nick Forsyth
Project: 0907380

Phones: (949) 348-9389
Fax: (949) 348-9115

P.O. #:

Lab Sample ID: 9G27012-01 **Sample ID: CB08-8-7-23-09 (0907380-01)** **Matrix:** Water
Sampled by: Client **Sampled: 07/23/09 11:00**

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed		Batch	Qualifier
Azinphos methyl (Guthion)	ND	0.12	0.15	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Bolstar	ND	0.088	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Chlorpyrifos	ND	0.041	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Coumaphos	ND	0.068	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Demeton-o	ND	0.049	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Demeton-s	ND	0.063	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Diazinon	ND	0.058	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Dichlorvos	ND	0.11	0.15	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Disulfoton	ND	0.064	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Ethoprop	ND	0.11	0.15	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Fensulfothion	ND	0.090	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Fenthion	ND	0.027	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Merphos	ND	0.062	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Methyl parathion	ND	0.057	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Mevinphos	ND	0.089	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Naled	ND	0.060	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Phorate	ND	0.054	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Ronnel	ND	0.037	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Stirophos	ND	0.050	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Tokuthion (Prothiofos)	ND	0.063	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Trichloronate	ND	0.031	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Surrogate: Triphenyl phosphate	*301 %*		*6-173*								S-04

Lab Sample ID: 9G27012-02 **Sample ID: CB08-8-7-23-09 (0907380-02)** **Matrix:** Water
Sampled by: Client **Sampled: 07/23/09 10:20**

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed		Batch	Qualifier
Azinphos methyl (Guthion)	ND	0.12	0.15	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Bolstar	ND	0.088	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Chlorpyrifos	ND	0.041	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Coumaphos	ND	0.068	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	
Demeton-o	ND	0.049	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41	dav	W9G1067	

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Lab Sample ID: 9G27012-02 **Sample ID:** CB08-8-7-23-09 (0907380-02) **Matrix:** Water
Sampled by: Client **Sampled:** 07/23/09 10:20

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Demeton-s	ND	0.063	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Diazinon	ND	0.058	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Dichlorvos	ND	0.11	0.15	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Disulfoton	ND	0.064	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Ethoprop	ND	0.11	0.15	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Fensulfothion	ND	0.090	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Fenthion	ND	0.027	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Merphos	ND	0.062	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Methyl parathion	ND	0.057	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Mevinphos	ND	0.089	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Naled	ND	0.060	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Phorate	ND	0.054	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Ronnel	ND	0.037	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Stirophos	ND	0.050	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Tokuthion (Prothiofos)	ND	0.063	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Trichloronate	ND	0.031	0.10	ug/l	1	EPA 8141A	7/29/09	8/10/09 12:41 dav	W9G1067	
Surrogate: Triphenyl phosphate	*110 %*		*6-173*							

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Quality Control Section

Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W9G1067 - EPA 8141A

Blank (W9G1067-BLK1) **Prepared: 07/29/09 Analyzed: 08/10/09 12:41**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*1.00*		ug/l	*1.00*	*100*	*6-173*		
Azinphos methyl (Guthion)		ND		ug/l					
Bolstar		ND		ug/l					
Chlorpyrifos		ND		ug/l					
Coumaphos		ND		ug/l					
Demeton-o		ND		ug/l					
Demeton-s		ND		ug/l					
Diazinon		ND		ug/l					
Dichlorvos		ND		ug/l					
Disulfoton		ND		ug/l					
Ethoprop		ND		ug/l					
Fensulfothion		ND		ug/l					
Fenthion		ND		ug/l					
Merphos		ND		ug/l					
Methyl parathion		ND		ug/l					
Mevinphos		ND		ug/l					
Naled		ND		ug/l					
Phorate		ND		ug/l					
Ronnel		ND		ug/l					
Stirophos		ND		ug/l					
Tokuthion (Prothiofos)		ND		ug/l					
Trichloronate		ND		ug/l					

LCS (W9G1067-BS1) **Prepared: 07/29/09 Analyzed: 08/10/09 12:41**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.961*		ug/l	*1.00*	*96*	*6-173*		
Azinphos methyl (Guthion)		1.00		ug/l	1.00	100	18-159		
Bolstar		0.928		ug/l	1.00	93	49-148		
Chlorpyrifos		0.937		ug/l	1.00	94	49-143		
Coumaphos		1.03		ug/l	1.00	103	42-161		
Demeton-o		0.829		ug/l	1.00	83	47-132		
Demeton-s		0.939		ug/l	1.00	94	45-147		
Diazinon		0.926		ug/l	1.00	93	46-136		
Dichlorvos		0.936		ug/l	1.00	94	29-164		
Disulfoton		0.955		ug/l	1.00	96	46-155		
Ethoprop		0.944		ug/l	1.00	94	54-141		
Fensulfothion		1.07		ug/l	1.00	107	54-167		
Fenthion		0.911		ug/l	1.00	91	50-143		
Merphos		0.706		ug/l	1.00	71	40-185		
Methyl parathion		0.995		ug/l	1.00	99	47-142		

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Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W9G1067 - EPA 8141A

LCS (W9G1067-BS1) **Prepared: 07/29/09 Analyzed: 08/10/09 12:41**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mevinphos		1.13		ug/l	1.00	113	43-145		
Naled		0.839		ug/l	1.00	84	16-177		
Phorate		0.925		ug/l	1.00	92	56-134		
Ronnel		0.990		ug/l	1.00	99	49-140		
Stirophos		1.03		ug/l	1.00	103	46-146		
Tokuthion (Prothiofos)		0.907		ug/l	1.00	91	52-139		
Trichloronate		0.912		ug/l	1.00	91	52-136		

Matrix Spike (W9G1067-MS1) **Source: 9G28006-01** **Prepared: 07/29/09 Analyzed: 08/10/09 12:41**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.895*		ug/l	*1.00*	*90*	*6-173*		
Azinphos methyl (Guthion)	ND	0.990		ug/l	1.00	99	45-161		
Bolstar	ND	0.858		ug/l	1.00	86	35-171		
Chlorpyrifos	ND	0.864		ug/l	1.00	86	36-157		
Coumaphos	ND	0.946		ug/l	1.00	95	25-199		
Demeton-o	ND	0.966		ug/l	1.00	97	22-179		
Demeton-s	ND	0.998		ug/l	1.00	100	32-173		
Diazinon	ND	0.958		ug/l	1.00	96	33-172		
Dichlorvos	ND	0.855		ug/l	1.00	86	11-197		
Disulfoton	ND	0.999		ug/l	1.00	100	56-133		
Ethoprop	ND	0.876		ug/l	1.00	88	57-148		
Fensulfothion	ND	1.06		ug/l	1.00	106	32-236		
Fenthion	ND	0.852		ug/l	1.00	85	54-154		
Merphos	ND	0.758		ug/l	1.00	76	41-188		
Methyl parathion	ND	0.930		ug/l	1.00	93	43-169		
Mevinphos	ND	0.883		ug/l	1.00	88	18-186		
Naled	ND	1.07		ug/l	1.00	107	6-234		
Phorate	ND	0.907		ug/l	1.00	91	46-160		
Ronnel	ND	0.927		ug/l	1.00	93	30-166		
Stirophos	ND	1.01		ug/l	1.00	101	28-180		
Tokuthion (Prothiofos)	ND	0.841		ug/l	1.00	84	34-164		
Trichloronate	ND	0.790		ug/l	1.00	79	41-155		

Matrix Spike Dup (W9G1067-MSD1) **Source: 9G28006-01** **Prepared: 07/29/09 Analyzed: 08/10/09 12:41**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Triphenyl phosphate		*0.787*		ug/l	*1.00*	*79*	*6-173*		
Azinphos methyl (Guthion)	ND	0.801		ug/l	1.00	80	45-161	21	25
Bolstar	ND	0.803		ug/l	1.00	80	35-171	7	25
Chlorpyrifos	ND	0.859		ug/l	1.00	86	36-157	0.6	25
Coumaphos	ND	0.787		ug/l	1.00	79	25-199	18	25
Demeton-o	ND	1.02		ug/l	1.00	102	22-179	6	25
Demeton-s	ND	1.04		ug/l	1.00	104	32-173	5	25
Diazinon	ND	0.976		ug/l	1.00	98	33-172	2	25

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Organophosphorus Pesticides by EPA Method 8141A - Quality Control

Batch W9G1067 - EPA 8141A

Matrix Spike Dup (W9G1067-MSD1) **Source: 9G28006-01** **Prepared: 07/29/09** **Analyzed: 08/10/09 12:41**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Dichlorvos	ND	0.715		ug/l	1.00	71	11-197	18	25
Disulfoton	ND	1.04		ug/l	1.00	104	56-133	4	25
Ethoprop	ND	0.920		ug/l	1.00	92	57-148	5	25
Fensulfothion	ND	1.04		ug/l	1.00	104	32-236	3	25
Fenthion	ND	0.828		ug/l	1.00	83	54-154	3	25
Merphos	ND	0.695		ug/l	1.00	70	41-188	9	25
Methyl parathion	ND	0.935		ug/l	1.00	94	43-169	0.6	25
Mevinphos	ND	1.17	MS-05	ug/l	1.00	117	18-186	28	25
Naled	ND	1.14		ug/l	1.00	114	6-234	6	25
Phorate	ND	0.962		ug/l	1.00	96	46-160	6	25
Ronnel	ND	0.941		ug/l	1.00	94	30-166	2	25
Stirophos	ND	0.909		ug/l	1.00	91	28-180	11	25
Tokuthion (Prothiofos)	ND	0.783		ug/l	1.00	78	34-164	7	25
Trichloronate	ND	0.799		ug/l	1.00	80	41-155	1	25

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Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature

Contact: Kim G Tu (Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
S-04	The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.
ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
Dil	Dilution Factor
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity

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CHAIN OF CUSTODY RECORD

SIERRA ANALYTICAL
TEL: 949•348•9389
FAX: 949•348•9115
26052 Merit Circle• Suite 105•Laguna Hills, CA•92653

Date: 7/23/09 Page 1 of 1

Lab Project No.: 0907380

Client: MACTEC
Client Address: 9177 Sky Park Ct

Client Tel. No.: 858 278 3600
Client Fax. No.:
Client Proj. Mgr.: AMANDA ARLHENHOLD

Client Project ID:

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☐ Normal ☐ Mobile

Analysis Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	OIL & GREASE	DIAZINON	CHLORPYRIFOS	DISSOLVED Cd,Cu Pb, ZN	Total Coliform	FECA COLIFORM	ENTEROCOCCUS	HARDNESS	Field Point Names/ Comments
CB08-8-7-23-09	01	7-23	1100	W	ICE	VARIOUS	4	X	X	X	X	X	X	X	X	
CB01-1-7-23-09	02	7-23	1020	W	ICE	VARIOUS	4	X	X	X	X	X	X	X	X	

1 Sampler Signature: K. A
Printed Name: Kris Green

Shipped Via:
(Carrier/Waybill No.)

Total Number of Containers Submitted to Laboratory: 8

Sample Disposal:
☐ Return to Client
☐ Lab Disposal*
☐ Archive _____ mos.
☐ Other _____

2 Relinquished By: K. A — Date: 7-23 — Time: 1306 — Company: MACTEC
Received By: S. Mott — Date: 7.23.09 — Time: 1306 — Company: SA

3 Relinquished By: S. Mott — Date: 7.23.09 — Time: 1630 — Company: SA
Received By: [illegible] — Date: 7/23/09 — Time: 1630 — Company: Sierra

Total Number of Containers Received by Laboratory: 8

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analysis specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

4 Relinquished By: — Date: — Time: — Company:
Received By: — Date: — Time: — Company:

Special Instructions:

FOR LABORATORY USE ONLY - Sample Receipt Conditions:

☑ Intact
☐ Sample Seals
☑ Properly Labelled
☑ Appropriate Sample Container
☑ Chilled - Temp. (°C) 4.0
☐ Preservatives - Verified By _____
☐ Other _____
☑ Storage Location MCCLO - REF

Rev: 102005

DISTRIBUTION: White - To Accompany Samples Yellow - Laboratory Copy Pink - Field Personnel Copy

Appendix C

FY08-09 Wet Weather Sampling Results

STORM EVENT 1

Compliance Sites Analytical Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results									
					C-B01-1 11-26-08	C-B03-2 11-26-08	C-B05-3 11-26-08	C-B05-4 11-26-08	C-B06-5 11-26-08	C-B07-6 11-26-08	C-B07-7 11-26-08	C-B08-8 11-26-08	C-B12-9 11-26-08	C-B09-10 11-25-08
Conventionals														
Ammonia as N	SM 4500-NH3	1	mg/l	0.100	1.40	1.20	1.00	0.42	0.36	0.82	0.46	0.29	0.50	0.64
BOD	EPA 405.1	1, 2, 3, 4, 5, 10, or 20	mg/l	2.0, 4.0, 6.0, 8.0, 10.0, 20.0, or 40.0	26.0[a]	21.0[a]	18.0[b]	25.0[c]	15.0[d]	68.0[e]	34.0[f]	37.0[a]	10.2[g]	61.0[a]
COD	EPA 410.4	1	mg/l	0.100	105	101	90	103	65	242	140	138	33	230.0
SC	EPA 120.1	1	µmhos/cm	0.100	178	267	633	157	24	217	118	275	71	455
MBAS	EPA 425.1	1	mg/l	0.0500	0.150	0.140	0.120	0.180	ND	0.230	0.160	0.140	ND	0.25
Oil & Grease	EPA 413.1	1	mg/l	1.00	1.20	1.00	1.10	1.00	ND	1.40	1.20	ND	ND	2.00
pH	EPA 150.1	1	pH Units	0.100	6.51	5.81	7.45	6.33	6.62	6.13	6.19	6.50	6.68	6.68
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	10.0	7.0	31.0	14.0	3.0	8.0	5.0	2.0	1.0	35.0
Metals (Total)														
Aluminum	EPA 200.8	2	µg/L	50	1400	2700	5300	1200	800	380	440	90	ND	3400
Copper	EPA 200.8	2	µg/L	2.0	270	590	40	240	49	200	83	90	8.6	190
Iron	EPA 200.8	2	mg/l	0.050	1.4	2.1	4.2	1.2	0.66	2.4	0.81	0.14	ND	6.6
Lead	EPA 200.8	2	µg/L	2.0	8.1	29	34	5.0	2.0	4.2	5.4	ND	ND	21
Zinc	EPA 200.8	2	µg/L	2.0	340	420	220	430	53	1200	630	240	19	520
Metals (Dissolved)														
Copper	EPA 200.8	2	µg/L	2.0	220	490	16	180	36	73	40	57	5.8	110
Zinc	EPA 200.8	2	µg/L	2.0	280	340	18	340	39	490	490	200	18	270
Total Petroleum Hydrocarbons (TPH)														
Diesel Range Organics (C10-C24)	EPA 8015B	1	mg/l	0.050	0.36	0.46	ND	0.62	ND	1.9	0.55	1.2	0.44	1.5
Jet-A	EPA 8015B	1	mg/l	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oil Range Organics (C22-C36)	EPA 8015B	1	mg/l	0.050	0.65	0.79	0.86	1.0	0.35	2.9	1.2	1.6	0.64	3.0
Glycols														
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

[a] Dilution = 10 and Reporting Limit = 20.0; b Dilution = 2 and Reporting Limit = 4.0; c Dilution = 5 and Reporting Limit = 10.0; d Dilution = 3 and Reporting Limit = 6.0

[f] Dilution = 4 and Reporting Limit = 8.0; g Dilution = 1 and Reporting Limit = 2.0

ND = Non Detect

NA = Not Applicable

BMP Effectiveness Sites Analytical and Particle Size Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results				
					S-B08-1/ S-B08-2- 11-26-08	S-B09-3/ S-B11-4- 11-26-08	S-B06-12 11-26-08	S-B12-13- 11-26-08	S-B08-14 11-26-08
Conventionals									
BOD	EPA 405.1	2 or 10	mg/l	4.0 or 20.0	29.0[a]	26.0[a]	13.0[b]	17.6[b]	37.0[a]
COD	EPA 410.4	1	mg/l	0.100	118	110	70.0	44.0	138
SC	EPA 120.1	1	µmhos/cm	0.100	69.1	113	66.3	85.7	275
Oil & Grease	EPA 413.1	1	mg/l	1.00	1.10	1.20	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	6.29	6.18	6.97	6.47	6.50
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	15.0	17.0	1.00	1.00	2.0
Metals (Total)									
Aluminum	EPA 200.8	2	µg/L	50	960	1400	51	62	90
Copper	EPA 200.8	2	µg/L	2.0	43	44	15	40	90
Iron	EPA 200.8	2	mg/l	0.050	1.1	1.6	0.069	0.098	0.14
Lead	EPA 200.8	2	µg/L	2.0	5.1	13	ND	ND	ND
Zinc	EPA 200.8	2	µg/L	2.0	200	240	63	88	240
Metals (Dissolved)									
Copper	EPA 200.8	2	µg/L	2.0	22	26	9.3	23	57
Zinc	EPA 200.8	2	µg/L	2.0	120	140	47	82	200
Glycols									
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND

Notes:

[a] Dilution = 10 and Reporting Limit = 20.0; b Dilution = 2 and Reporting Limit = 4.0
ND = Non Detect
NA = Not Applicable

Particle Size Results

Sample ID	Median Grain Size, micron*	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
**S-B06-12 11-26-08	91.747	544.511	514.542	286.543	209.774	129.118	91.747	50.018	20.712	10.899	5.840	2.607

* Based on Trask Median
** Ideal obscuration is between 8-12%. Sample obscuration is 3%

STORM EVENT 2

Compliance Sites Analytical Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results									
					C-B01-1 12-15-08	C-B03-2 12-15-08	C-B05-3 12-15-08	C-B05-4 12-15-08	C-B06-5 12-15-08	C-B07-6 12-15-08	C-B07-7 12-15-08	C-B08-8 12-16-08	C-B12-9 12-14-08	C-B09-10 12-14-08
Conventionals														
Ammonia as N	SM 4500-NH3	1	mg/l	0.100	1.64	1.74	0.840	1.82	2.16	1.93	0.550	0.680	0.520	2.40
BOD	EPA 405.1	1, 5	mg/l	2, 10	31.0	16.0	33.0	55.0	42.0	38.0	16.0	36.0	8.00	52.0
COD	EPA 410.4	1	mg/l	0.100	116	68.0	122	193	166	127	54.0	61.0	28.0	234
SC	EPA 120.1	1	µmhos/cm	0.100	300	205	610	791	342	165	57.8	144	31.9	395
MBAS	EPA 425.1	1	mg/l	0.0500	0.290	0.120	0.170	0.340	0.220	0.250	0.120	0.140	ND	0.280
Oil & Grease	EPA 1664	1	mg/l	2.00	ND	ND	2.00	2.00	ND	ND	ND	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	6.62	6.96	7.80	6.48	6.78	6.68	6.73	6.63	7.65	7.21
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	10.0	3.00	11.0	6.00	19.0	15.0	7.00	4.00	1.00	8.00
Metals (Total)														
Aluminum	EPA 200.8	1, 2	µg/L	25, 50	450	190	980	440	560	230	300	66.0	ND	780
Copper	EPA 200.8	1, 2	µg/L	1, 2	260	190	21	480	380	170	39	75.0	41	89
Iron	EPA 200.8	1, 2	mg/l	0.025,	0.49	0.24	0.93	0.52	0.61	1.3	0.41	ND	0.080	1.1
Lead	EPA 200.8	1, 2	µg/L	1, 2	4.1	16	7.6	3.3	3.0	6.5	5.3	ND	ND	5.6
Zinc	EPA 200.8	1, 2	µg/L	1, 2	290	210	45	530	320	510	200	200	68	170
Metals (Dissolved)														
Copper	EPA 200.8	2	µg/L	2.0	240	160	15	440	350	100	27	21	37	74
Zinc	EPA 200.8	2	µg/L	2.0	270	190	10	490	290	420	170	140	63	120
Total Petroleum Hydrocarbons (TPH)														
Diesel Range Organics (C10-C24)	EPA 8015B	1	mg/l	0.050	1.1	ND	ND	1.4	ND	ND	ND	0.52	ND	ND
Jet-A	EPA 8015B	1	mg/l	0.050	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oil Range Organics (C22-C36)	EPA 8015B	1	mg/l	0.050	1.3	0.48	0.50	2.5	1.7	2.2	0.90	0.92	1.9	1.3
Glycols														
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
ND = Non Detect
NA = Not Applicable

BMP Effectiveness Sites Analytical and Particle Size Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results				
					S-B08-1/ S-B08-2 12-16-08	S-B09-3/ S-B11-4 12-16-08	S-B06-12 12-16-08*	S-B12-13 12-16-08	S-B08-14 12-16-08
Conventionals									
BOD	EPA 405.1	5	mg/l	10.0	14.8	19.0	27.0	20.0	36.0
COD	EPA 410.4	1	mg/l	0.100	38.0	42.0	87.0	72.0	61
SC	EPA 120.1	1	µmhos/cm	0.100	62.2	72.4	109	176	144
Oil & Grease	EPA 1664	1	mg/l	2.00	ND	ND	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	6.08	6.38	8.92	7.59	6.63
Total Suspended Solids	EPA 160.2	1	mg/l	1.00	3.00	5.00	2.00	1.00	4.00
Metals (Total)									
Aluminum	EPA 200.8	1, 2	µg/L	25, 50	620	1100	40	ND	66
Copper	EPA 200.8	1, 2	µg/L	1.0, 2.0	30	35	18	20	75
Iron	EPA 200.8	1, 2	mg/l	0.025, 0.05	ND	ND	ND	ND	ND
Lead	EPA 200.8	1, 2	µg/L	1.0, 2.0	3.8	10	ND	ND	ND
Zinc	EPA 200.8	1, 2	µg/L	1.0, 2.0	150	220	55	35	200
Metals (Dissolved)									
Copper	EPA 200.8	1	µg/L	1.0	16	19	11	14	21
Zinc	EPA 200.8	1	µg/L	1.0	100	160	23	20	140
Glycols									
Ethylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/l	10.0	ND	ND	ND	ND	ND

Notes:
* = There was insufficient concentration to obtain particle size analysis results
ND = Non Detect
NA = Not Applicable

Particle Size Results

Sample ID	Median Grain Size, micron*	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12 12-16-08	NA	Below detection limits: Insufficient concentration for analysis.										

* Based on Trask Median

STORM EVENT 3

BMP Effectiveness Sites Analytical and Particle Size Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results				
					S-B08-1/ S-B08-2-12-22-08	S-B09-3/ S-B11-4-12-22-08	S-B06-12-12-22-08*	S-B12-13-12-22-08	S-B08-14 12-22-08
Conventionals									
BOD	EPA 405.1	1, 5	mg/L	2.00, 10.0	3.80	7.70	9.90	8.70	19.2
COD	EPA 410.4	1	mg/L	0.100	10.0	29.0	42.0	39.0	68.0
SC	EPA 120.1	1	µmhos/cm	0.100	39.0	57.7	78.5	80.3	133
Oil & Grease	EPA 1664	1	mg/L	2.00	ND	ND	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	7.03	6.88	7.25	7.40	6.86
Total Suspended Solids	EPA 160.2	1	mg/L	1.00	2.00	3.00	1.00	2.00	8.00
Metals (Total)									
Aluminum	EPA 200.8	2	µg/L	50	130	210	120	110	87
Copper	EPA 200.8	2	µg/L	2.0	16	13	11	11	26
Iron	EPA 200.8	2	mg/L	0.050	0.16	0.30	0.1	0.094	0.11
Lead	EPA 200.8	2	µg/L	2.0	ND	ND	ND	ND	ND
Zinc	EPA 200.8	2	µg/L	2.0	63	41	40	34	120
Metals (Dissolved)									
Copper	EPA 200.8	2	µg/L	2.0	11	8.7	6.4	5.8	10
Zinc	EPA 200.8	2	µg/L	2.0	45	25	19	17	97
Glycols									
Ethylene Glycol	EPA 8015B	2	mg/L	10.0	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/L	10.0	ND	ND	ND	ND	ND

Notes:
*= There was insufficient concentration to obtain particle size analysis results
ND = Non Detect

Particle Size Results

Sample ID	Median Grain Size, micron*	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-12-22-08	NA	Below detection limits: Insufficient concentration for analysis.										

* Based on Trask Median

STORM EVENT 4

BMP Effectiveness Sites Analytical and Particle Size Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results				
					S-B08-1/ S-B08-2-2-6-09	S-B09-3/ S-B11-4-2-6-09	S-B06-12-2-6-09*	S-B12-13-2-6-09	S-B08-14-2-6-09
Conventionals									
BOD	EPA 405.1	1	mg/L	2.00	32.0	20.0	8.20	6.60	10.6
COD	EPA 410.4	1	mg/L	0.100	61.0	48.0	26.0	20.0	32.0
SC	EPA 120.1	1	µmhos/cm	0.100	103	118	113	89.1	215
Oil & Grease	EPA 1664	1	mg/L	2.00	ND	ND	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	6.25	6.34	6.91	6.70	6.75
Total Suspended Solids	EPA 160.2	1	mg/L	1.00	26.0	18.0	6.00	5.00	8.00
Metals (Total)									
Aluminum	EPA 200.8	2	µg/L	50	850	1200	70	83	120
Copper	EPA 200.8	2	µg/L	2.0	53	49	18	24	45
Iron	EPA 200.8	2	mg/L	0.050	1.3	1.90	0.071	0.15	0.18
Lead	EPA 200.8	2	µg/L	2.0	6.4	13	ND	ND	ND
Zinc	EPA 200.8	2	µg/L	2.0	190	180	50	42	150
Metals (Dissolved)									
Copper	EPA 200.8	2	µg/L	2.0	32	29	15	13	38
Zinc	EPA 200.8	2	µg/L	2.0	98	78	40	27	120
Glycols									
Ethylene Glycol	EPA 8015B	2	mg/L	10.0	ND	ND	ND	ND	ND
Propylene Glycol	EPA 8015B	2	mg/L	10.0	ND	ND	ND	ND	ND

Notes:
*= There was insufficient concentration to obtain particle size analysis results
ND = Non Detect

Particle Size Results

Sample ID	Median Grain Size, micron*	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-2-6-09	NA	Below detection limits: Insufficient concentration for analysis.										

* Based on Trask Median

STORM EVENT 5

BMP Effectiveness Sites Analytical and Particle Size Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results				
					S-B08-1/ S-B08-2-2-16-09	S-B09-3/ S-B11-4-2-16-09	S-B06-12-2-16-09*	S-B12-13-2-16-09	S-B08-14-2-16-09
Conventionals									
BOD	EPA 405.1	1	mg/L	2.00	3.50	3.70	4.20	6.40	6.00
COD	EPA 410.4	1	mg/L	0.100	12.0	13.0	18.0	28.0	26.0
SC	EPA 120.1	1	µmhos/cm	0.100	58.5	60.0	79.0	302	294
Oil & Grease	EPA 1664	1	mg/L	2.00	ND	ND	ND	ND	ND
pH	EPA 150.1	1	pH Units	0.100	6.86	6.59	7.19	7.16	7.17
Total Suspended Solids	EPA 160.2	1	mg/L	1.00	3.00	7.00	1.00	2.00	1.00
Metals (Total)									
Aluminum	EPA 200.8	2	µg/L	50	730	1900	51	220	95
Copper	EPA 200.8	2	µg/L	2.0	26	34	5.4	22	58
Iron	EPA 200.8	2	mg/L	0.050	0.98	2.5	ND	0.33	0.36
Lead	EPA 200.8	2	µg/L	2.0	4.4	16	ND	3.5	ND
Zinc	EPA 200.8	2	µg/L	2.0	120	160	21	78	230
Metals (Dissolved)									
Copper	EPA 200.8	2	µg/L	2.0	10	6.0	4.4	5.9	40
Zinc	EPA 200.8	2	µg/L	2.0	50	30	20	34	200
Glycols									
Ethylene Glycol	EPA 8015B	2	mg/L	10.0	ND	ND	ND	ND	16.1
Propylene Glycol	EPA 8015B	2	mg/L	10.0	ND	ND	ND	ND	33.7

Notes:
*= There was insufficient concentration to obtain particle size analysis results
ND = Non Detect

Particle Size Results

Sample ID	Median Grain Size, micron*	Cumulative Percent Greater Than (Distribution percent, microns)										
		5%	10%	16%	25%	40%	50%	60%	75%	84%	90%	95%
S-B06-12-2-16-09	NA	Below detection limits: Insufficient concentration for analysis.										

* Based on Trask Median

STORM EVENT 6

BMP Effectiveness Sites Analytical Results

Analyte	Analytical Procedure	Dilution	Units	Reporting Limit	Results	
					S-B08-1/ S-B08-2- 3-22-09	S-B09-3/ S-B11-4- 3-22-09
Conventionals						
BOD	EPA 405.1	1	mg/L	2.00	26.00	25.00
COD	EPA 410.4	1	mg/L	0.100	53.0	48.0
SC	EPA 120.1	1	µmhos/cm	0.100	179.0	242.0
Oil & Grease	EPA 1664	1	mg/L	2.00	ND	ND
pH	EPA 150.1	1	pH Units	0.100	6.14	6.59
Total Suspended Solids	EPA 160.2	1	mg/L	1.00	21.00	18.00
Metals (Total)						
Aluminum	EPA 200.8	2	µg/L	50	510	1400
Copper	EPA 200.8	2	µg/L	2.0	110	63
Iron	EPA 200.8	2	mg/L	0.050	0.75	2.1
Lead	EPA 200.8	2	µg/L	2.0	4.1	12
Zinc	EPA 200.8	2	µg/L	2.0	350	260
Metals (Dissolved)						
Copper	EPA 200.8	2	µg/L	2.0	88	47
Zinc	EPA 200.8	2	µg/L	2.0	300	160
Glycols						
Ethylene Glycol	EPA 8015B	2	mg/L	10.0	ND	ND
Propylene Glycol	EPA 8015B	2	mg/L	10.0	ND	ND

Notes:
ND = Non Detect